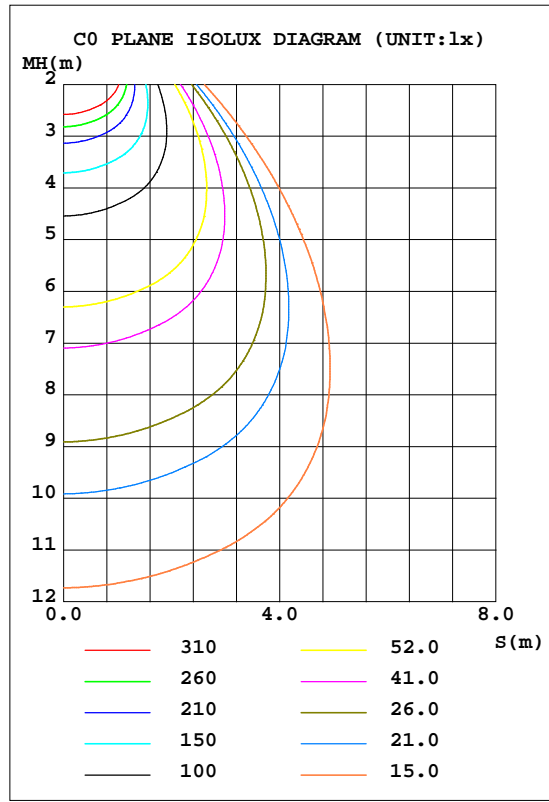
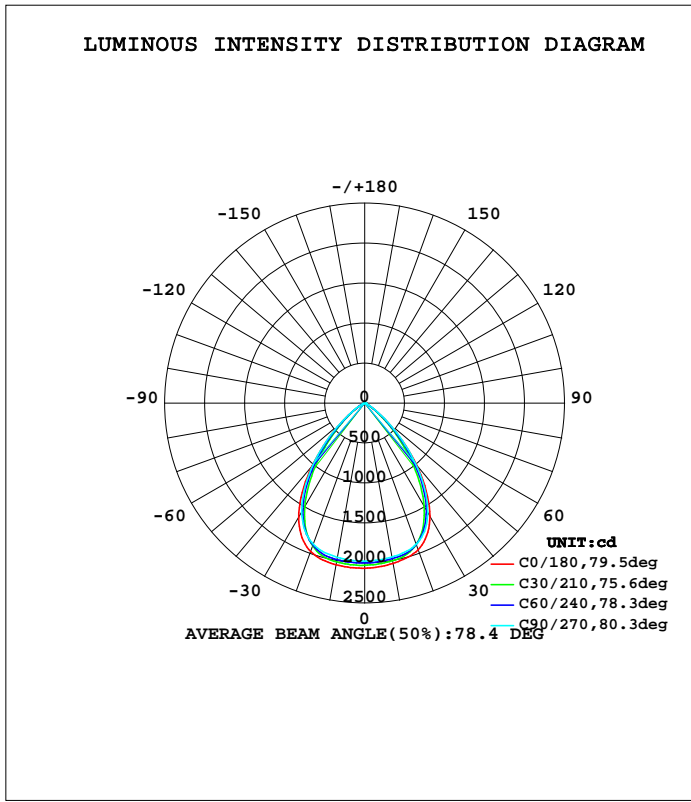


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.2V I:0.3292A P:39.38W PF:0.9949 Lamp Flux:3008.85x1 lm		
NAME: CP4-D40W-40T-S(4000K)	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 4寸	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	CP4-D40W-40T-S(4000K)	I _{max} (cd)	2066	S/MH(C0/180)	1.15
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.15
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3008.9	η UP, DN(C0-180)	0.1,49.8
NOMINAL FLUX(lm)	3008.85	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,49.9
LAMPS INSIDE	1	η up(%)	0.3	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	η down(%)	99.7	CIBSE SHR MAX	1.10



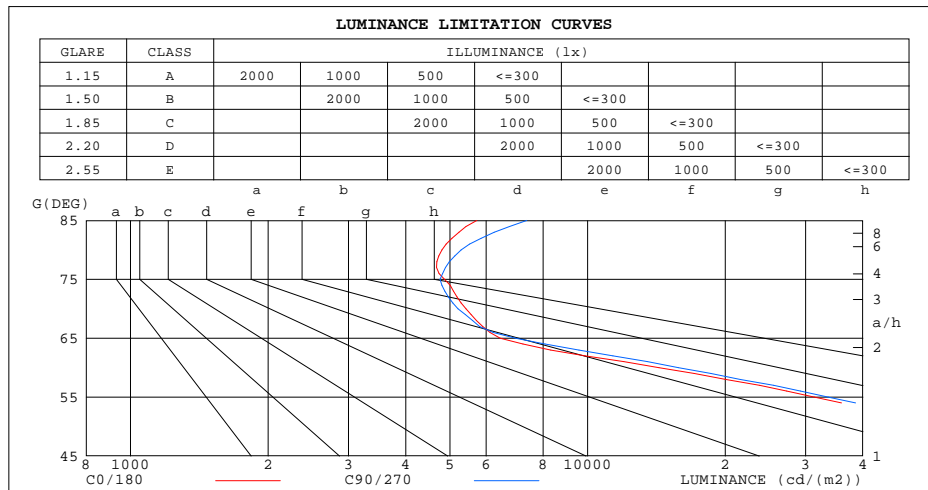
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-07-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.190m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\$lum, lamp$
10	2035	1988	1956	1935	2054	2001	1959	1923	0- 10	189.0	189.0	6.28,6.28
20	1954	1877	1881	1813	1976	1885	1880	1791	10- 20	546.8	735.8	24.5,24.5
30	1633	1493	1580	1426	1654	1490	1577	1412	20- 30	791.4	1527	50.8,50.8
40	1010	882.8	992.8	848.1	1024	869.9	1004	848.1	30- 40	769.8	2297	76.3,76.3
50	378.2	329.8	396.7	327.0	390.3	328.0	405.2	330.8	40- 50	479.6	2777	92.3,92.3
60	71.65	66.99	79.09	66.91	76.29	68.89	82.27	70.48	50- 60	169.8	2946	97.9,97.9
70	18.53	20.20	17.80	18.53	18.41	18.93	17.39	18.65	60- 70	35.02	2982	99.1,99.1
80	8.341	7.678	9.183	7.292	8.650	6.860	8.805	6.966	70- 80	13.49	2995	99.5,99.5
90	0.2636	0.2246	0.5633	0.3597	0.4593	0.1591	0.5750	0.1885	80- 90	5.227	3000	99.7,99.7
100	0.1398	0.1353	0.1443	0.1443	0.1490	0.1263	0.1488	0.1353	90-100	0.2720	3001	99.7,99.7
110	0.2432	0.2436	0.2119	0.2482	0.2619	0.2118	0.2753	0.2344	100-110	0.1874	3001	99.7,99.7
120	0.6486	0.6002	0.6306	0.6363	0.6726	0.5722	0.6861	0.6487	110-120	0.4018	3001	99.7,99.7
130	1.487	1.327	1.473	1.507	1.507	1.357	1.539	1.429	120-130	0.8909	3002	99.8,99.8
140	2.587	2.364	2.497	2.319	2.576	2.429	2.531	2.362	130-140	1.474	3003	99.8,99.8
150	3.593	3.446	3.476	3.293	3.532	3.467	3.451	3.372	140-150	1.840	3005	99.9,99.9
160	4.531	4.343	4.319	4.203	4.384	4.270	4.217	4.220	150-160	1.791	3007	99.9,99.9
170	5.014	4.866	4.771	4.672	4.961	4.784	4.749	4.667	160-170	1.289	3008	100,100
180	5.154	5.087	4.947	4.920	5.190	5.055	4.965	4.906	170-180	0.4659	3009	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	5727	7366
80	4803	5288
75	4868	4754
70	5417	5205
65	6437	6954
60	14330	15817
55	31374	33650
50	58844	61720
45	94551	95214

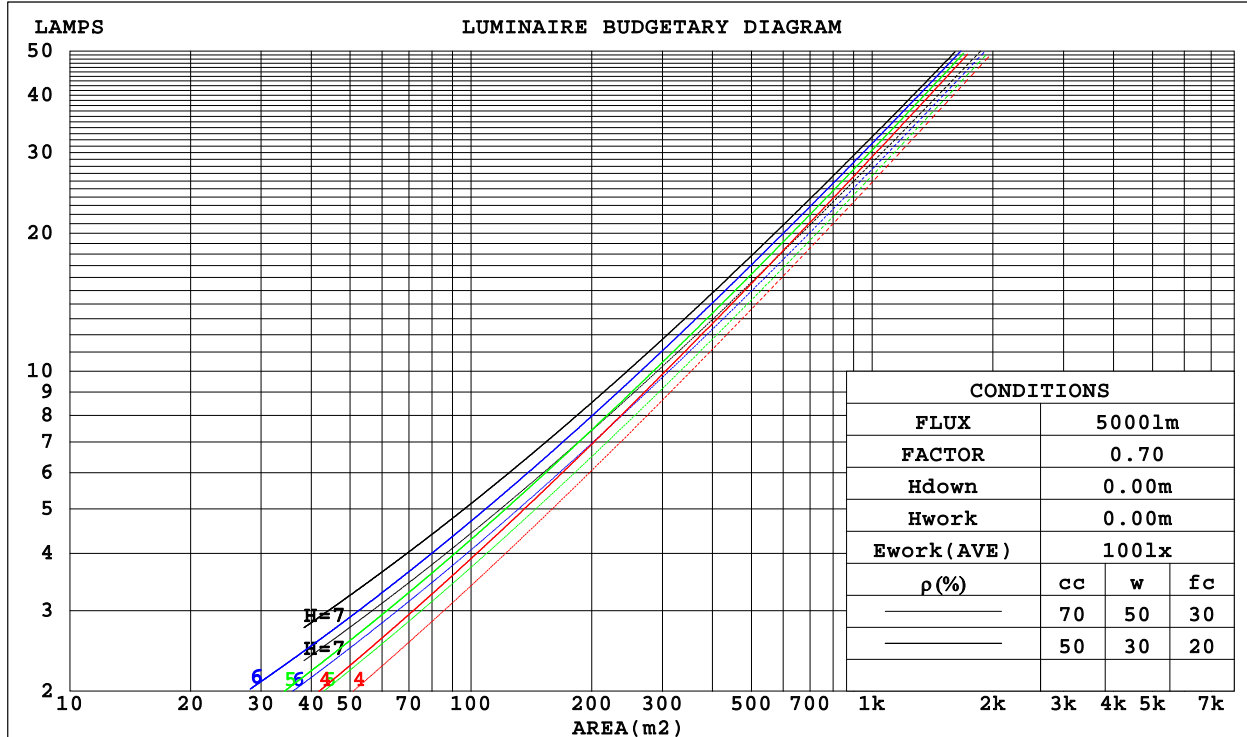
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2020-07-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:8.190m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.2V I:0.3292A P:39.38W PF:0.9949 Lamp Flux:3008.85x1 lm		
NAME: CP4-D40W-40T-S(4000K)	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 4↵	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

ρ _{cc}	80%			70%			50%			30%			10%			0
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.09	1.06	1.04	1.07	1.04	1.02	1.03	1.01	.99	.99	.97	.96	.95	.94	.93	.91
2.0	.00	.95	.91	.98	.94	.90	.95	.91	.88	.92	.89	.86	.89	.86	.84	.82
3.0	.91	.86	.81	.90	.84	.80	.87	.83	.79	.85	.81	.77	.82	.79	.76	.74
4.0	.84	.77	.72	.83	.77	.72	.80	.75	.71	.78	.74	.70	.76	.72	.69	.67
5.0	.77	.70	.65	.76	.70	.65	.74	.68	.64	.72	.67	.64	.71	.66	.63	.61
6.0	.71	.64	.59	.70	.64	.59	.69	.63	.58	.67	.62	.58	.66	.61	.57	.56
7.0	.66	.59	.54	.65	.58	.54	.64	.58	.53	.62	.57	.53	.61	.56	.53	.51
8.0	.61	.54	.49	.60	.54	.49	.59	.53	.49	.58	.53	.49	.57	.52	.48	.47
9.0	.57	.50	.45	.56	.50	.45	.55	.49	.45	.54	.49	.45	.53	.48	.45	.43
10.0	.53	.46	.42	.52	.46	.42	.52	.46	.42	.51	.45	.41	.50	.45	.41	.40



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-07-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.190m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.2V I:0.3292A P:39.38W PF:0.9949 Lamp Flux:3008.85x1 lm		
NAME: CP4-D40W-40T-S(4000K)	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 4寸	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.207	.118	.037	.200	.114	.036	.187	.107	.034	.175	.101	.032	.164	.095	.031	
2.0	.201	.110	.034	.195	.107	.033	.184	.102	.032	.174	.098	.031	.165	.093	.029	
3.0	.193	.102	.031	.188	.100	.030	.178	.096	.029	.169	.093	.028	.161	.089	.028	
4.0	.184	.095	.028	.179	.094	.028	.171	.091	.027	.163	.088	.026	.156	.085	.026	
5.0	.175	.089	.026	.171	.088	.026	.164	.085	.025	.157	.083	.025	.150	.080	.024	
6.0	.166	.083	.024	.163	.082	.024	.156	.080	.023	.150	.078	.023	.145	.076	.023	
7.0	.158	.078	.022	.155	.077	.022	.149	.076	.022	.144	.074	.021	.139	.072	.021	
8.0	.151	.074	.021	.148	.073	.021	.143	.071	.020	.138	.070	.020	.133	.068	.020	
9.0	.144	.070	.019	.141	.069	.019	.137	.068	.019	.132	.066	.019	.128	.065	.019	
10.0	.137	.066	.018	.135	.065	.018	.131	.064	.018	.127	.063	.018	.123	.062	.018	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.193	.193	.193	.165	.165	.165	.112	.112	.112	.065	.065	.065	.021	.021	.021	
1.0	.175	.159	.145	.150	.137	.125	.103	.094	.086	.059	.054	.050	.019	.018	.016	
2.0	.162	.135	.111	.139	.116	.096	.095	.080	.067	.055	.047	.039	.018	.015	.013	
3.0	.152	.116	.087	.130	.100	.076	.089	.070	.053	.052	.041	.031	.017	.013	.010	
4.0	.143	.102	.070	.123	.088	.061	.084	.061	.043	.049	.036	.025	.016	.012	.008	
5.0	.135	.091	.058	.116	.078	.050	.080	.055	.035	.046	.032	.021	.015	.010	.007	
6.0	.129	.082	.048	.110	.071	.042	.076	.050	.030	.044	.029	.018	.014	.010	.006	
7.0	.122	.075	.041	.105	.065	.036	.073	.045	.025	.042	.027	.015	.014	.009	.005	
8.0	.117	.069	.035	.101	.059	.031	.070	.042	.022	.040	.025	.013	.013	.008	.004	
9.0	.112	.064	.031	.096	.055	.027	.067	.039	.019	.039	.023	.011	.013	.008	.004	
10.0	.107	.059	.028	.092	.052	.024	.064	.036	.017	.037	.021	.010	.012	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-07-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.190m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.2V I:0.3292A P:39.38W PF:0.9949 Lamp Flux:3008.85x1 lm										
NAME: CP4-D40W-40T-S(4000K)					TYPE:LED			WEIGHT:		
SPEC.:					DIM.: 4 \uparrow			SERIAL No.:1		
MFR.: EVERFINE					SUR.:			PROTECTION ANGLE:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	24.4	25.6	24.7	25.7	25.9	24.8	25.9	25.0	26.1	26.3
3H	24.3	25.3	24.5	25.5	25.7	24.6	25.7	24.9	25.9	26.1
4H	24.2	25.2	24.5	25.4	25.6	24.6	25.5	24.9	25.8	26.0
6H	24.1	25.0	24.4	25.3	25.6	24.5	25.4	24.8	25.7	25.9
8H	24.1	25.0	24.4	25.2	25.5	24.4	25.3	24.8	25.6	25.9
12H	24.0	24.9	24.4	25.2	25.5	24.4	25.3	24.7	25.5	25.8
4H 2H	24.2	25.2	24.5	25.4	25.7	24.6	25.6	24.9	25.8	26.0
3H	24.1	24.9	24.4	25.2	25.5	24.4	25.3	24.8	25.6	25.9
4H	24.0	24.8	24.4	25.1	25.4	24.4	25.1	24.7	25.4	25.8
6H	24.0	24.6	24.3	25.0	25.3	24.3	25.0	24.7	25.3	25.7
8H	23.9	24.5	24.3	24.9	25.3	24.3	24.9	24.7	25.3	25.6
12H	23.9	24.5	24.3	24.8	25.2	24.3	24.8	24.7	25.2	25.6
8H 4H	23.9	24.5	24.3	24.9	25.2	24.2	24.9	24.6	25.2	25.6
6H	23.8	24.3	24.3	24.7	25.2	24.2	24.7	24.6	25.1	25.5
8H	23.8	24.3	24.3	24.7	25.1	24.2	24.6	24.6	25.0	25.5
12H	23.8	24.2	24.3	24.6	25.1	24.2	24.5	24.6	25.0	25.5
12H 4H	23.8	24.4	24.3	24.8	25.2	24.2	24.8	24.6	25.1	25.5
6H	23.8	24.2	24.3	24.7	25.1	24.2	24.6	24.6	25.0	25.5
8H	23.8	24.2	24.2	24.6	25.1	24.1	24.5	24.6	25.0	25.4
Variations with the observer position at spacings:										
S = 1.0H	+ 2.3 / - 5.5					+ 2.2 / - 5.3				
1.5H	+ 2.9 / - 4.5					+ 2.5 / - 4.2				
2.0H	+ 5.3 / - 7.1					+ 4.9 / - 7.4				

CIE Pub.117 Corrected 3009 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.8)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2020-07-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:8.190m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.2V I:0.3292A P:39.38W PF:0.9949 Lamp Flux:3008.85x1 lm		
NAME: CP4-D40W-40T-S(4000K)	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 4↵	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

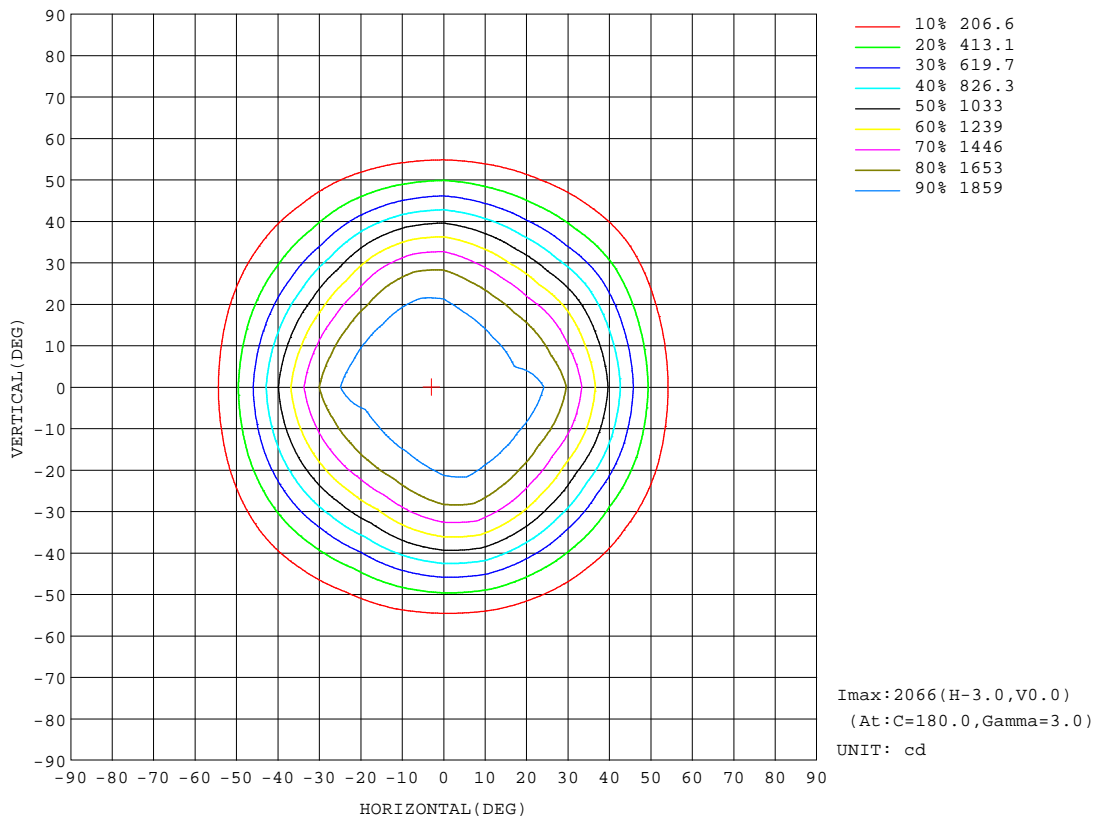
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	76	68	63	76	68	63	75	67	63	58
0.80	86	78	73	85	77	73	83	77	72	67
1.00	92	85	80	91	84	80	89	85	79	75
1.25	98	91	87	96	90	86	94	89	85	80
1.50	101	95	91	100	94	90	97	93	89	84
2.00	105	100	96	104	99	95	101	97	94	88
2.50	107	103	99	106	101	98	102	99	96	90
3.00	109	105	102	108	104	101	104	101	98	92
4.00	112	108	105	110	107	104	106	103	101	94
5.00	113	110	108	111	108	106	107	105	103	95
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-07-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.190m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.2V I:0.3292A P:39.38W PF:0.9949 Lamp Flux:3008.85x1 lm		
NAME: CP4-D40W-40T-S(4000K)	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 4↵	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



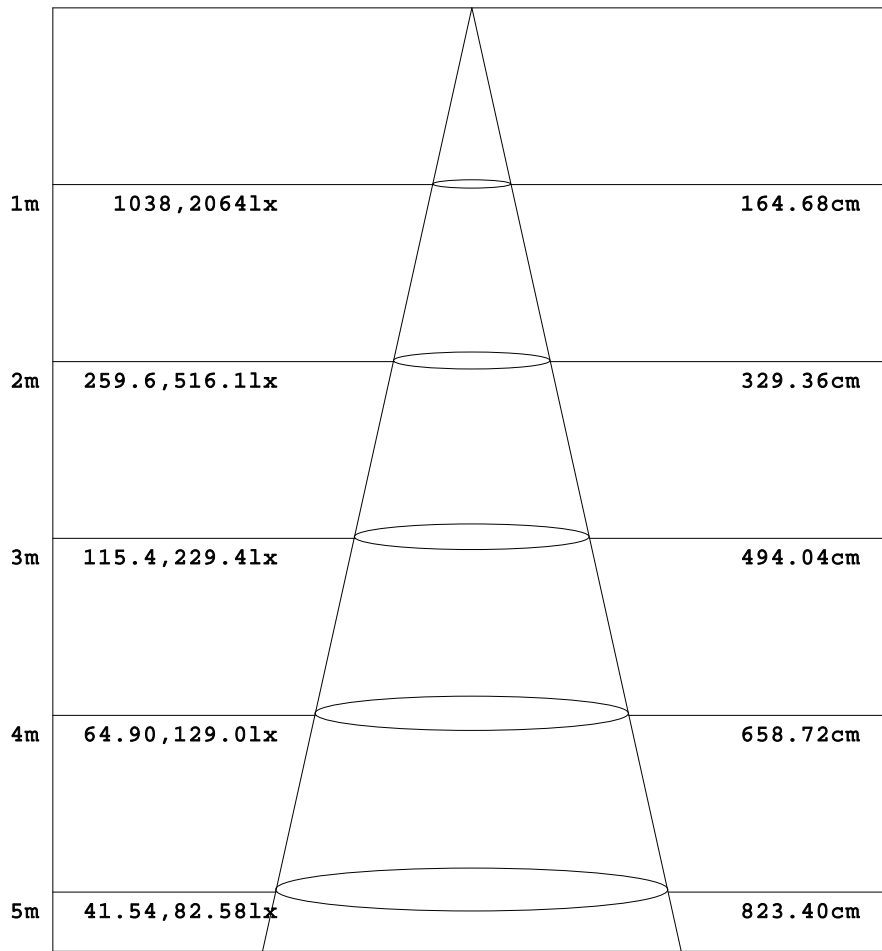
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2020-07-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 8.190m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.2V I:0.3292A P:39.38W PF:0.9949 Lamp Flux:3008.85x1 lm		
NAME: CP4-D40W-40T-S(4000K)	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 4∩	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Flux out:2297 lm



Height Eavg, Emax Angle:78.94deg Diameter

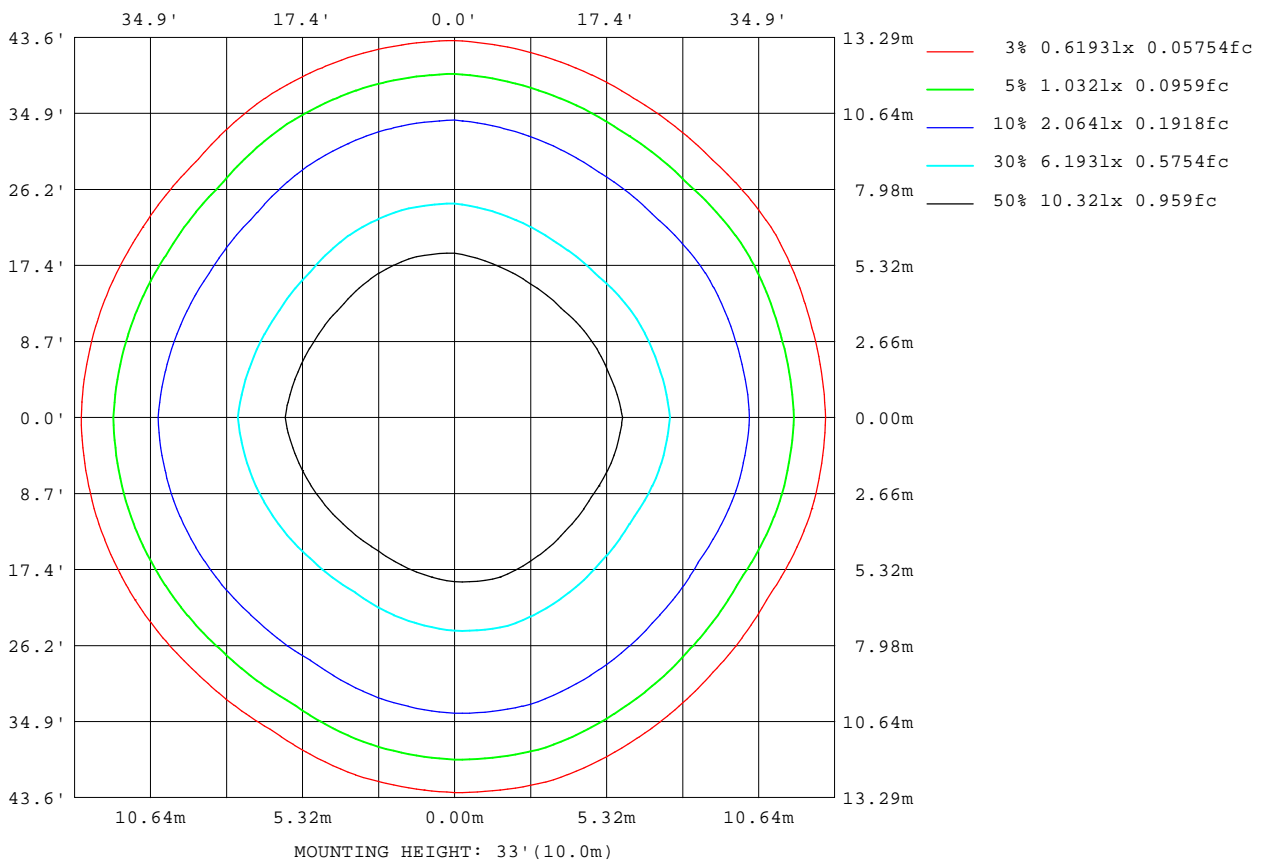
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-07-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.190m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.2V I:0.3292A P:39.38W PF:0.9949 Lamp Flux:3008.85x1 lm		
NAME: CP4-D40W-40T-S(4000K)	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 4	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-07-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.190m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.2V I:0.3292A P:39.38W PF:0.9949 Lamp Flux:3008.85x1 lm		
NAME: CP4-D40W-40T-S(4000K)	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 4 ∇	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

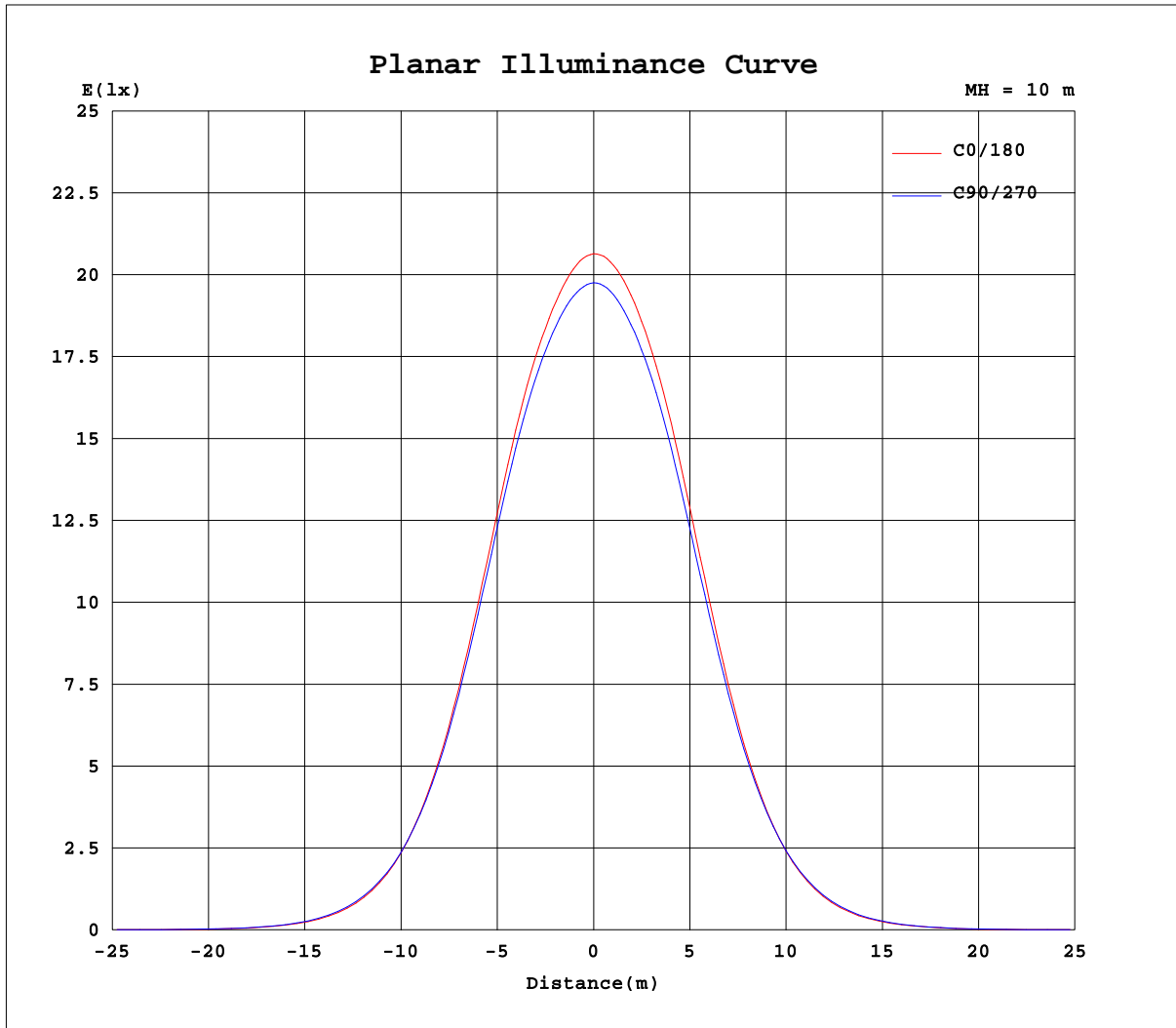
AvgL	cd/m2
L_0~180(65)av	6547
L_0~180(75)av	4873
L_0~180(85)av	5758
L_90~270(65)av	6918
L_90~270(75)av	4660
L_90~270(85)av	7163
L_45(65)av	7294
L_45(75)av	4991
L_45(85)av	5208

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-07-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.190m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2020-07-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity: 65.0%
Test Distance: 8.190m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.3292A P:39.38W PF:0.9949 Lamp Flux:3008.85x1 lm		
NAME: CP4-D40W-40T-S(4000K)	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 4 \uparrow	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	2064	2045	2028	2013	2000	1986	1976	1967	1959	1952	1946	1940	2064	2045	2028	2013	2000	1986	1976
5	2055	2036	2019	2004	1991	1979	1969	1962	1954	1949	1944	1939	2064	2044	2028	2012	1999	1984	1973
10	2035	2018	2001	1988	1976	1966	1956	1948	1940	1935	1931	1929	2054	2033	2018	2001	1988	1971	1959
15	2007	1991	1971	1961	1953	1944	1931	1920	1906	1903	1904	1906	2030	2007	1989	1973	1964	1948	1934
20	1954	1916	1882	1877	1883	1901	1881	1843	1813	1813	1827	1855	1976	1929	1901	1885	1893	1898	1880
25	1834	1777	1723	1723	1750	1794	1771	1707	1652	1656	1689	1744	1857	1784	1742	1726	1758	1784	1765
30	1633	1564	1488	1493	1546	1607	1580	1498	1421	1426	1481	1554	1654	1565	1503	1490	1551	1590	1577
35	1343	1280	1191	1202	1267	1336	1308	1228	1137	1145	1205	1283	1365	1273	1201	1192	1271	1318	1314
40	1010	951	869	883	946	1012	993	923	840	848	903	967	1024	941	876	870	948	995	1004
45	669	625	563	576	626	683	673	623	554	562	604	650	682	624	572	566	631	671	686
50	378	359	320	330	360	399	397	368	323	327	352	378	390	363	334	328	370	394	405
55	180	177	160	163	180	196	193	186	163	164	176	182	187	183	172	168	188	197	200
60	71.6	73.1	64.9	67.0	76.4	82.2	79.1	78.6	65.2	66.9	71.0	73.6	76.3	75.0	71.7	68.9	78.7	79.0	82.3
65	27.2	32.0	31.3	32.0	33.0	30.8	29.4	32.4	29.8	30.3	29.5	26.2	28.1	31.7	31.7	30.3	31.3	27.4	29.1
70	18.5	20.1	19.8	20.2	20.0	18.6	17.8	18.7	18.1	18.5	18.3	17.5	18.4	19.2	19.4	18.9	18.3	16.8	17.4
75	12.6	13.7	14.1	14.2	13.8	12.9	12.3	12.4	12.0	12.4	12.6	12.1	12.6	13.0	13.1	12.6	12.2	11.5	11.8
80	8.34	8.13	7.38	7.68	8.93	9.37	9.18	8.52	7.42	7.29	7.83	8.23	8.65	7.79	6.81	6.86	8.15	8.42	8.80
85	4.99	5.03	4.61	4.59	5.48	6.25	6.42	6.03	5.40	5.00	4.78	4.76	5.05	4.73	4.37	4.15	5.40	5.81	6.07
90	0.26	0.39	0.42	0.22	0.39	0.89	0.56	0.89	0.57	0.36	0.51	0.60	0.46	0.23	0.18	0.16	0.23	0.42	0.58
95	0.14	0.12	0.12	0.11	0.13	0.15	0.39	0.51	0.65	0.35	0.52	0.28	0.14	0.16	0.11	0.14	0.12	0.22	0.29
100	0.14	0.14	0.13	0.14	0.14	0.15	0.14	0.14	0.14	0.14	0.14	0.16	0.15	0.12	0.14	0.13	0.14	0.14	0.15
105	0.15	0.19	0.15	0.17	0.15	0.19	0.15	0.18	0.14	0.18	0.14	0.19	0.19	0.14	0.17	0.14	0.19	0.16	0.19
110	0.24	0.28	0.23	0.24	0.23	0.27	0.21	0.25	0.23	0.25	0.21	0.27	0.26	0.21	0.24	0.21	0.27	0.26	0.28
115	0.44	0.41	0.37	0.37	0.38	0.42	0.37	0.40	0.37	0.38	0.36	0.42	0.42	0.35	0.37	0.35	0.42	0.44	0.43
120	0.65	0.65	0.56	0.60	0.62	0.66	0.63	0.63	0.62	0.64	0.59	0.66	0.67	0.59	0.57	0.57	0.66	0.66	0.69
125	1.01	0.98	0.95	0.92	0.96	1.01	1.00	0.98	0.98	1.02	0.89	1.00	1.04	0.94	0.91	1.00	1.01	1.04	1.06
130	1.49	1.41	1.34	1.33	1.38	1.47	1.47	1.42	1.41	1.51	1.32	1.43	1.51	1.40	1.34	1.36	1.45	1.52	1.54
135	2.01	1.93	1.85	1.82	1.88	1.95	1.96	1.89	1.85	1.84	1.80	1.89	2.03	1.92	1.85	1.87	1.94	2.02	2.01
140	2.59	2.49	2.41	2.36	2.44	2.48	2.50	2.41	2.36	2.32	2.32	2.38	2.58	2.47	2.40	2.43	2.49	2.56	2.53
145	3.13	3.04	2.96	2.91	2.99	2.99	3.01	2.94	2.88	2.82	2.83	2.84	3.07	2.98	2.95	2.97	3.02	3.07	3.02
150	3.59	3.56	3.49	3.45	3.46	3.44	3.48	3.43	3.37	3.29	3.40	3.33	3.53	3.48	3.45	3.47	3.50	3.52	3.45
155	4.06	4.02	3.96	3.94	3.94	3.91	3.90	3.95	3.89	3.75	3.89	3.85	3.97	3.93	3.90	3.91	3.93	3.95	3.84
160	4.53	4.45	4.37	4.34	4.34	4.32	4.32	4.29	4.27	4.20	4.17	4.21	4.38	4.33	4.31	4.27	4.29	4.25	4.22
165	4.84	4.79	4.69	4.67	4.65	4.64	4.59	4.54	4.52	4.47	4.46	4.46	4.75	4.66	4.62	4.57	4.55	4.53	4.55
170	5.01	4.97	4.89	4.87	4.85	4.83	4.77	4.74	4.69	4.67	4.68	4.69	4.96	4.91	4.86	4.78	4.77	4.74	4.75
175	5.11	5.09	5.02	5.02	4.98	4.96	4.90	4.88	4.84	4.84	4.83	4.82	5.10	5.03	5.03	4.97	4.94	4.89	4.88
180	5.15	5.15	5.08	5.09	5.02	5.00	4.95	4.94	4.92	4.92	4.88	4.88	5.19	5.10	5.10	5.06	5.04	4.97	4.96

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-07-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.190m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.3292A P:39.38W PF:0.9949 Lamp Flux:3008.85x1 lm		
NAME: CP4-D40W-40T-S(4000K)	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 4 \uparrow	SERIAL No.:1
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1967	1959	1952	1946	1940														
5	1962	1952	1944	1937	1930														
10	1945	1934	1923	1917	1910														
15	1914	1898	1886	1886	1882														
20	1832	1803	1791	1809	1831														
25	1692	1647	1635	1673	1717														
30	1487	1425	1412	1476	1528														
35	1226	1153	1141	1214	1262														
40	926	859	848	914	948														
45	626	573	564	614	632														
50	369	337	331	360	361														
55	189	174	171	181	173														
60	79.7	71.7	70.5	74.4	68.7														
65	33.6	31.4	30.7	30.5	25.9														
70	18.7	18.7	18.7	18.7	17.2														
75	12.4	12.4	12.4	12.6	11.9														
80	8.32	7.49	6.97	7.48	7.73														
85	5.45	4.68	4.41	4.57	4.38														
90	0.38	0.32	0.19	0.20	0.18														
95	0.30	0.27	0.18	0.14	0.15														
100	0.15	0.16	0.14	0.14	0.14														
105	0.15	0.19	0.15	0.18	0.15														
110	0.23	0.26	0.23	0.26	0.23														
115	0.38	0.39	0.38	0.41	0.41														
120	0.63	0.63	0.65	0.65	0.65														
125	1.00	0.98	1.04	0.99	1.00														
130	1.43	1.36	1.43	1.41	1.46														
135	1.89	1.83	1.88	1.92	1.95														
140	2.42	2.35	2.36	2.40	2.49														
145	2.93	2.88	2.89	2.88	2.95														
150	3.40	3.41	3.37	3.37	3.38														
155	3.94	3.96	3.81	3.84	3.81														
160	4.29	4.26	4.22	4.22	4.27														
165	4.52	4.51	4.49	4.51	4.50														
170	4.74	4.72	4.67	4.66	4.67														
175	4.85	4.87	4.84	4.82	4.78														
180	4.92	4.93	4.91	4.89	4.87														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-07-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.190m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

G/C	0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0
0.0	2064	2045	2028	2013	2000	1986	1976	1967	1959	1952
3.0	2060	2041	2024	2009	1995	1983	1972	1965	1957	1951
6.0	2051	2034	2016	2002	1989	1977	1967	1960	1953	1948
9.0	2040	2022	2006	1992	1980	1969	1960	1952	1944	1939
12.0	2025	2009	1993	1981	1968	1958	1947	1940	1931	1927
15.0	2007	1991	1971	1961	1953	1944	1931	1920	1906	1903
18.0	1980	1953	1926	1918	1919	1922	1906	1881	1858	1857
21.0	1936	1893	1856	1851	1861	1885	1865	1821	1786	1786
24.0	1864	1809	1761	1759	1781	1821	1798	1738	1690	1693
27.0	1763	1700	1638	1640	1676	1728	1704	1631	1567	1572
30.0	1633	1564	1488	1493	1546	1607	1580	1498	1421	1426
33.0	1465	1402	1312	1324	1385	1454	1424	1342	1253	1261
36.0	1280	1216	1127	1140	1206	1275	1247	1170	1079	1086
39.0	1078	1017	936.4	946.2	1010	1079	1058	984.2	898.9	906.9
42.0	869.4	817.3	740.6	755.6	813.6	877.6	862.1	800.0	721.2	729.8
45.0	668.6	625.5	562.7	575.6	625.6	682.6	673.3	623.3	554.3	562.1
48.0	484.9	455.4	406.5	418.5	456.5	504.2	500.0	461.9	406.7	412.2
51.0	329.6	315.5	281.4	291.0	316.2	351.0	348.9	325.7	284.6	289.6
54.0	211.2	206.3	186.7	190.2	209.2	229.0	226.8	216.3	189.2	191.0
57.0	129.5	127.5	114.4	117.7	132.4	141.6	139.0	135.5	116.4	118.6
60.0	71.65	73.06	64.93	66.99	76.44	82.20	79.09	78.56	65.23	66.91
63.0	37.74	41.93	40.78	41.31	43.32	45.08	43.45	42.91	40.04	40.10
66.0	24.88	28.26	28.14	28.58	29.11	26.45	25.28	27.73	26.52	26.91
69.0	19.93	21.67	21.41	21.79	21.75	20.08	19.36	20.47	19.74	20.07
72.0	16.02	17.30	17.27	17.61	17.05	15.93	15.33	15.70	15.36	15.91
75.0	12.60	13.68	14.08	14.23	13.80	12.86	12.30	12.43	12.02	12.42
78.0	9.735	9.921	9.249	10.07	10.56	10.64	10.37	9.999	8.345	8.638
81.0	7.677	7.467	6.735	6.979	6.259	6.815	6.632	6.036	6.949	6.760
84.0	5.664	5.622	5.124	5.136	6.119	6.942	7.051	6.587	5.835	5.390
87.0	2.567	2.541	2.793	3.301	4.018	4.583	4.633	4.412	3.788	3.094
90.0	0.2636	0.3903	0.4225	0.2246	0.3892	0.8916	0.5633	0.8923	0.5683	0.3597
93.0	0.1853	0.2111	0.2343	0.1395	0.2118	0.2433	0.3688	0.4602	0.5006	0.3563
96.0	0.1353	0.1218	0.1172	0.1172	0.1263	0.1398	0.2765	0.5032	0.6805	0.2965
99.0	0.1397	0.1308	0.1172	0.1308	0.1307	0.1488	0.1443	0.1398	0.1634	0.1354
102.0	0.1487	0.1579	0.1352	0.1489	0.1398	0.1624	0.1443	0.1445	0.1443	0.1534
105.0	0.1533	0.1895	0.1487	0.1715	0.1532	0.1895	0.1488	0.1805	0.1443	0.1759
108.0	0.2028	0.2390	0.2204	0.2076	0.2072	0.2302	0.1935	0.2212	0.2157	0.2077
111.0	0.2658	0.2888	0.2344	0.2618	0.2746	0.2888	0.2431	0.2798	0.2300	0.2707
114.0	0.3514	0.3835	0.3511	0.3430	0.3424	0.3791	0.3423	0.3566	0.3287	0.3431
117.0	0.4865	0.4919	0.4370	0.4648	0.4642	0.4965	0.4642	0.4830	0.4370	0.4650
120.0	0.6486	0.6453	0.5631	0.6002	0.6171	0.6633	0.6306	0.6318	0.6170	0.6363
123.0	0.8559	0.8303	0.7925	0.7851	0.8064	0.8619	0.8425	0.8303	0.8109	0.8529
126.0	1.095	1.060	0.9871	0.9927	1.036	1.097	1.090	1.060	1.077	1.129
129.0	1.383	1.318	1.235	1.241	1.293	1.372	1.383	1.327	1.311	1.457
132.0	1.681	1.620	1.536	1.525	1.582	1.656	1.663	1.615	1.586	1.615
135.0	2.015	1.931	1.852	1.818	1.884	1.953	1.965	1.895	1.848	1.841
138.0	2.362	2.265	2.181	2.147	2.213	2.269	2.285	2.201	2.150	2.129
141.0	2.709	2.608	2.519	2.472	2.546	2.576	2.601	2.517	2.461	2.418
144.0	3.025	2.932	2.858	2.801	2.880	2.882	2.912	2.846	2.781	2.720
147.0	3.318	3.252	3.169	3.139	3.187	3.171	3.205	3.139	3.079	3.000
150.0	3.593	3.563	3.489	3.446	3.462	3.442	3.476	3.428	3.372	3.293
153.0	3.890	3.838	3.791	3.753	3.746	3.726	3.733	3.744	3.696	3.586
156.0	4.143	4.109	4.048	4.023	4.021	4.000	3.976	4.036	3.994	3.829
159.0	4.459	4.370	4.301	4.267	4.265	4.239	4.251	4.226	4.207	4.100
162.0	4.662	4.609	4.513	4.487	4.468	4.456	4.450	4.402	4.382	4.316
165.0	4.843	4.794	4.689	4.668	4.649	4.641	4.586	4.537	4.522	4.474
168.0	4.955	4.911	4.824	4.789	4.779	4.785	4.703	4.676	4.622	4.595
171.0	5.032	4.988	4.902	4.897	4.874	4.861	4.802	4.771	4.730	4.717
174.0	5.095	5.055	4.991	4.988	4.955	4.933	4.879	4.848	4.811	4.816
177.0	5.136	5.114	5.055	5.073	5.028	4.983	4.938	4.920	4.883	4.897
180.0	5.154	5.150	5.082	5.087	5.019	5.001	4.947	4.942	4.915	4.920
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	1946	1940	2064	2045	2028	2013	2000	1986	1976	1967
3.0	1945	1940	2066	2046	2029	2014	2001	1986	1975	1965
6.0	1942	1938	2063	2043	2027	2011	1997	1982	1971	1960
9.0	1935	1932	2057	2036	2020	2004	1991	1975	1962	1949
12.0	1923	1921	2046	2026	2011	1995	1981	1964	1950	1935
15.0	1904	1906	2030	2007	1989	1973	1964	1948	1934	1914
18.0	1865	1881	2003	1968	1945	1928	1929	1923	1908	1872
21.0	1804	1839	1959	1906	1875	1859	1872	1882	1864	1809
24.0	1721	1772	1888	1820	1781	1764	1791	1813	1795	1725
27.0	1613	1677	1786	1705	1656	1641	1684	1716	1699	1617
30.0	1481	1554	1654	1565	1503	1490	1551	1590	1577	1487

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2020-07-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 8.190m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

33.0	1321	1399	1488	1397	1327	1316	1390	1435	1427	1335
36.0	1147	1223	1299	1207	1136	1128	1208	1255	1254	1167
39.0	964.3	1031	1094	1009	941.3	935.1	1014	1063	1068	987.9
42.0	781.0	837.4	884.4	810.6	748.9	743.6	817.3	863.8	874.7	804.7
45.0	604.1	649.8	682.3	623.7	572.3	566.2	631.0	670.8	686.3	626.0
48.0	445.1	478.5	498.3	458.9	420.0	414.0	465.4	497.3	510.8	463.9
51.0	310.5	331.8	341.3	321.4	296.6	290.5	327.5	349.4	356.9	327.3
54.0	204.9	214.1	218.9	212.4	198.8	194.4	217.2	229.8	232.7	218.6
57.0	127.6	130.4	134.4	132.7	124.7	122.4	136.5	140.8	143.6	139.0
60.0	70.96	73.57	76.29	74.96	71.68	68.89	78.65	79.00	82.27	79.65
63.0	39.44	37.97	39.78	42.36	44.32	42.38	42.36	41.34	43.80	43.37
66.0	26.19	23.89	25.56	27.57	28.03	26.60	26.98	23.50	24.82	27.89
69.0	19.81	18.77	19.91	20.79	20.99	20.27	19.83	18.27	18.92	20.61
72.0	15.85	15.11	15.85	16.46	16.74	16.51	15.71	14.45	14.82	15.90
75.0	12.60	12.06	12.62	12.96	13.11	12.64	12.20	11.51	11.82	12.41
78.0	9.251	9.487	10.01	9.227	8.163	8.401	9.388	9.534	9.995	9.991
81.0	7.235	7.638	7.974	7.143	6.235	6.259	7.593	7.976	8.237	7.720
84.0	5.536	5.624	5.901	5.390	4.828	4.636	5.990	6.314	6.618	6.003
87.0	2.708	2.638	2.727	2.647	3.350	3.304	4.332	4.823	4.617	3.940
90.0	0.5139	0.5962	0.4593	0.2346	0.1780	0.1591	0.2276	0.4178	0.5750	0.3813
93.0	0.5109	0.4461	0.3681	0.2623	0.2158	0.2027	0.2200	0.2710	0.1898	0.2437
96.0	0.3939	0.1577	0.1444	0.1310	0.1127	0.1219	0.1218	0.1584	0.2110	0.3423
99.0	0.1444	0.1534	0.1533	0.1173	0.1174	0.1262	0.1354	0.1443	0.1399	0.1490
102.0	0.1443	0.1624	0.1624	0.1352	0.1354	0.1352	0.1624	0.1443	0.1669	0.1488
105.0	0.1443	0.1895	0.1940	0.1398	0.1670	0.1442	0.1851	0.1623	0.1896	0.1488
108.0	0.1801	0.2302	0.2301	0.1847	0.2031	0.1757	0.2392	0.2255	0.2347	0.2026
111.0	0.2342	0.2933	0.2934	0.2343	0.2572	0.2343	0.2934	0.2704	0.2934	0.2568
114.0	0.3198	0.3791	0.3792	0.3244	0.3296	0.3154	0.3837	0.3652	0.3972	0.3469
117.0	0.4464	0.4965	0.5101	0.4464	0.4469	0.4458	0.4966	0.5000	0.5103	0.4821
120.0	0.5856	0.6633	0.6726	0.5947	0.5733	0.5722	0.6590	0.6579	0.6861	0.6308
123.0	0.7794	0.8439	0.8756	0.7930	0.7673	0.8019	0.8530	0.8742	0.8982	0.8382
126.0	0.9866	1.078	1.124	1.027	0.9885	1.091	1.088	1.131	1.142	1.073
129.0	1.230	1.336	1.408	1.298	1.246	1.271	1.358	1.424	1.431	1.352
132.0	1.518	1.620	1.710	1.595	1.548	1.559	1.656	1.717	1.737	1.591
135.0	1.803	1.895	2.035	1.916	1.850	1.866	1.945	2.019	2.008	1.893
138.0	2.114	2.183	2.360	2.245	2.179	2.209	2.274	2.353	2.328	2.213
141.0	2.425	2.476	2.684	2.574	2.509	2.538	2.599	2.664	2.630	2.520
144.0	2.727	2.747	2.964	2.872	2.842	2.863	2.919	2.966	2.919	2.827
147.0	3.029	3.022	3.257	3.178	3.149	3.178	3.225	3.251	3.203	3.111
150.0	3.399	3.333	3.532	3.480	3.451	3.467	3.500	3.521	3.451	3.399
153.0	3.719	3.676	3.803	3.756	3.721	3.746	3.775	3.805	3.681	3.737
156.0	3.950	3.928	4.059	4.004	3.987	3.986	4.010	4.026	3.897	4.017
159.0	4.098	4.149	4.303	4.256	4.235	4.211	4.217	4.184	4.136	4.234
162.0	4.283	4.320	4.546	4.477	4.442	4.396	4.402	4.378	4.393	4.392
165.0	4.459	4.465	4.749	4.662	4.618	4.572	4.555	4.531	4.550	4.523
168.0	4.608	4.622	4.897	4.825	4.776	4.707	4.695	4.680	4.681	4.653
171.0	4.716	4.731	5.001	4.942	4.902	4.829	4.812	4.780	4.789	4.771
174.0	4.811	4.789	5.082	5.010	5.015	4.946	4.907	4.879	4.857	4.838
177.0	4.874	4.843	5.150	5.068	5.082	5.023	4.988	4.938	4.924	4.884
180.0	4.879	4.879	5.190	5.105	5.105	5.055	5.037	4.974	4.965	4.915
G/C	300.0	315.0	330.0	345.0						
0.0	1959	1952	1946	1940						
3.0	1957	1948	1942	1935						
6.0	1950	1941	1933	1927						
9.0	1939	1928	1921	1915						
12.0	1924	1913	1906	1900						
15.0	1898	1886	1886	1882						
18.0	1849	1837	1847	1857						
21.0	1777	1765	1786	1814						
24.0	1684	1672	1706	1746						
27.0	1566	1553	1601	1651						
30.0	1425	1412	1476	1528						
33.0	1266	1252	1326	1375						
36.0	1095	1082	1155	1201						
39.0	919.3	907.9	975.3	1014						
42.0	741.6	731.4	791.7	819.8						
45.0	572.8	563.8	614.0	631.5						
48.0	423.3	415.5	453.0	461.7						
51.0	299.2	293.9	318.0	316.8						
54.0	200.5	197.9	209.5	202.8						
57.0	126.0	124.5	130.6	124.1						
60.0	71.74	70.48	74.45	68.65						
63.0	44.09	43.17	41.42	35.45						
66.0	27.58	27.08	26.93	23.57						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2020-07-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 8.190m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

69.0	20.37	20.14	20.19	18.56
72.0	15.96	16.00	16.03	14.91
75.0	12.44	12.39	12.61	11.85
78.0	8.811	8.413	9.082	9.056
81.0	6.847	6.345	6.857	7.129
84.0	5.126	4.843	5.178	5.310
87.0	3.596	2.774	2.771	2.351
90.0	0.3229	0.1885	0.1992	0.1793
93.0	0.2616	0.1851	0.2211	0.2075
96.0	0.2701	0.1982	0.1352	0.1444
99.0	0.1534	0.1356	0.1309	0.1398
102.0	0.1625	0.1353	0.1444	0.1398
105.0	0.1894	0.1532	0.1806	0.1487
108.0	0.2257	0.2162	0.2257	0.2255
111.0	0.2843	0.2703	0.2844	0.2702
114.0	0.3611	0.3469	0.3836	0.3696
117.0	0.4741	0.4642	0.4877	0.5044
120.0	0.6274	0.6487	0.6455	0.6487
123.0	0.8260	0.9013	0.8439	0.8473
126.0	1.051	1.127	1.043	1.082
129.0	1.282	1.357	1.309	1.361
132.0	1.552	1.591	1.629	1.645
135.0	1.832	1.875	1.922	1.952
138.0	2.139	2.164	2.197	2.285
141.0	2.454	2.466	2.495	2.592
144.0	2.774	2.786	2.792	2.858
147.0	3.086	3.084	3.067	3.124
150.0	3.410	3.372	3.370	3.381
153.0	3.753	3.647	3.658	3.652
156.0	4.037	3.895	3.924	3.895
159.0	4.212	4.148	4.154	4.215
162.0	4.370	4.351	4.361	4.356
165.0	4.510	4.487	4.505	4.495
168.0	4.627	4.586	4.600	4.608
171.0	4.740	4.707	4.686	4.694
174.0	4.839	4.816	4.785	4.753
177.0	4.911	4.883	4.857	4.820
180.0	4.933	4.906	4.893	4.875

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2020-07-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 8.190m [K=1.0000]
 Remarks: