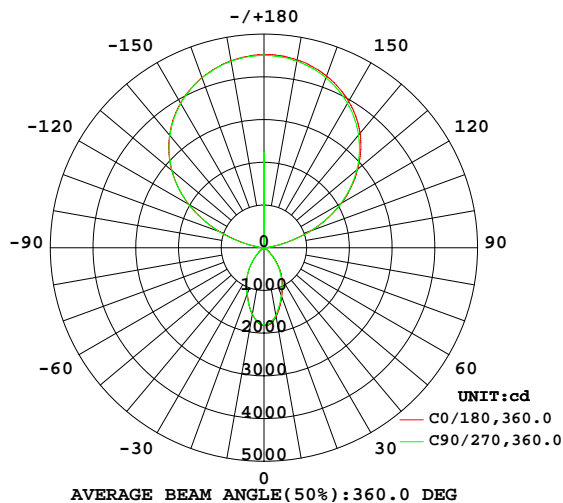


LUMINAIRE PHOTOMETRIC TEST REPORT

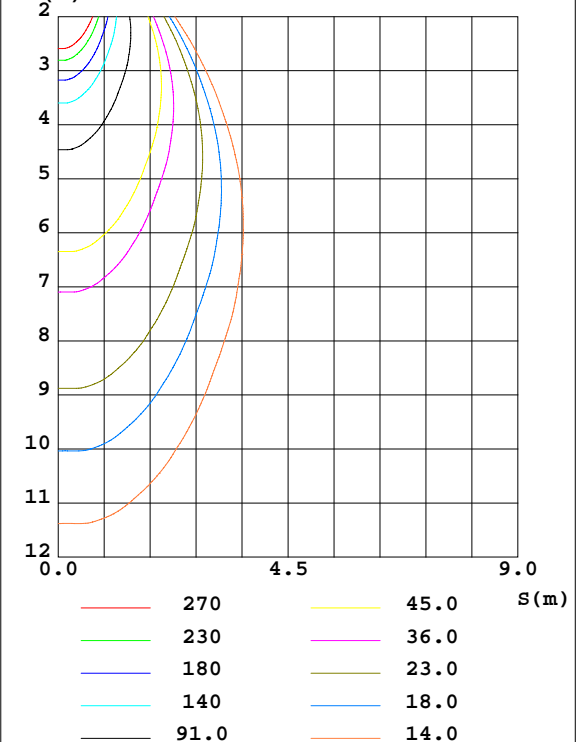
Test:U:229.64V I:0.4256A P:96.245W PF:0.9847 Freq:49.99Hz Lamp Flux:14648.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 650*40	SERIAL No.:
MFR.: NLC2-0003-01	SUR.:3.14*0.325*0.325	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 152.20 lm/W			
MODEL		I _{max} (cd)	4525	S/MH(C0/180)	0.77
NOMINAL POWER(W)	100	LOR(%)	100.0	S/MH(C90/270)	0.78
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	14649	η UP,DN(C0-180)	44.2,6.1
NOMINAL FLUX(lm)	14648.9	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	43.7,6.0
LAMPS INSIDE	1	η up(%)	87.9	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230.0	η down(%)	12.1	CIBSE SHR MAX	0.90

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-31

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

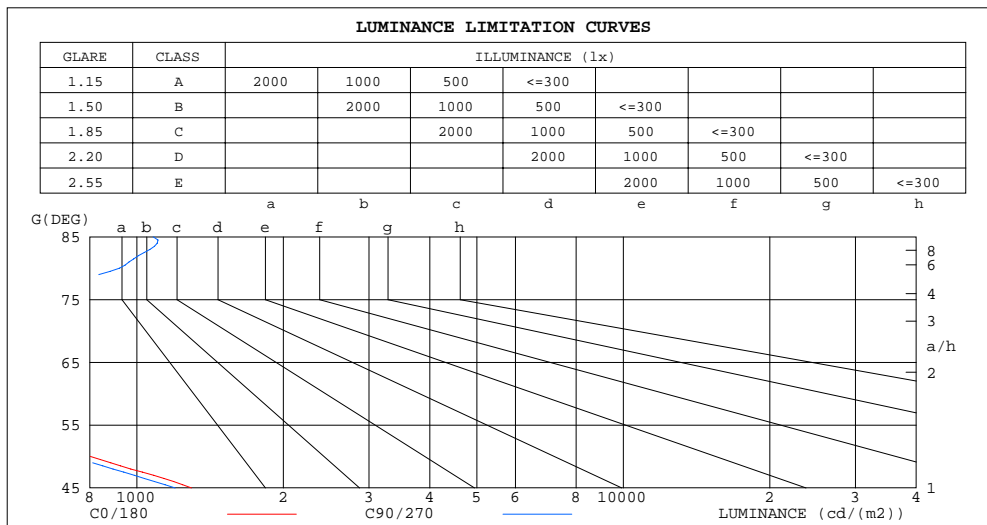
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1639	1621	1606	1592	1582	1576	1581	1602	0- 10	162.4	162.4	1.11,1.11
20	1209	1200	1188	1170	1156	1153	1161	1180	10- 20	387.3	549.7	3.75,3.75
30	843.9	833.5	821.4	805.2	791.9	787.5	793.2	812.3	20- 30	453.6	1003	6.85,6.85
40	471.4	460.0	447.8	432.6	421.4	421.9	430.7	447.1	30- 40	389.2	1392	9.51,9.51
50	170.9	164.1	157.0	148.5	142.3	141.9	146.4	156.1	40- 50	215.3	1608	11,11
60	51.39	46.18	42.33	39.97	38.71	37.59	38.53	43.33	50- 60	79.50	1687	11.5,11.5
70	30.19	30.07	29.50	28.31	27.03	25.85	25.55	27.11	60- 70	28.33	1716	11.7,11.7
80	38.48	51.04	53.01	38.99	25.15	31.53	41.07	42.09	70- 80	38.52	1754	12,12
90	0.8849	0.7141	0.6873	0.8693	1.065	1.052	0.9794	0.9332	80- 90	19.54	1774	12.1,12.1
100	270.8	284.7	283.8	261.3	237.4	233.5	239.3	251.4	90-100	86.22	1860	12.7,12.7
110	1172	1185	1178	1139	1103	1105	1123	1144	100-110	703.7	2564	17.5,17.5
120	2100	2093	2079	2054	2032	2027	2036	2060	110-120	1593	4156	28.4,28.4
130	2864	2850	2838	2827	2818	2808	2808	2828	120-130	2197	6353	43.4,43.4
140	3500	3466	3445	3439	3439	3427	3426	3453	130-140	2434	8787	60,60
150	3961	3927	3907	3904	3907	3898	3897	3920	140-150	2314	11101	75.8,75.8
160	4280	4253	4238	4237	4240	4234	4234	4250	150-160	1889	12990	88.7,88.7
170	4470	4448	4436	4439	4444	4437	4433	4445	160-170	1231	14222	97.1,97.1
180	4521	4521	4521	4521	4521	4521	4521	4521	170-180	427.3	14649	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-31

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:229.64V I:0.4256A P:96.245W PF:0.9847 Freq:49.99Hz Lamp Flux:14648.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 650*40	SERIAL No.:
MFR.: NLC2-0003-01	SUR.:3.14*0.325*0.325	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	162	1080
80	668	921
75	419	499
70	266	260
65	215	188
60	310	255
55	510	459
50	802	737
45	1295	1199

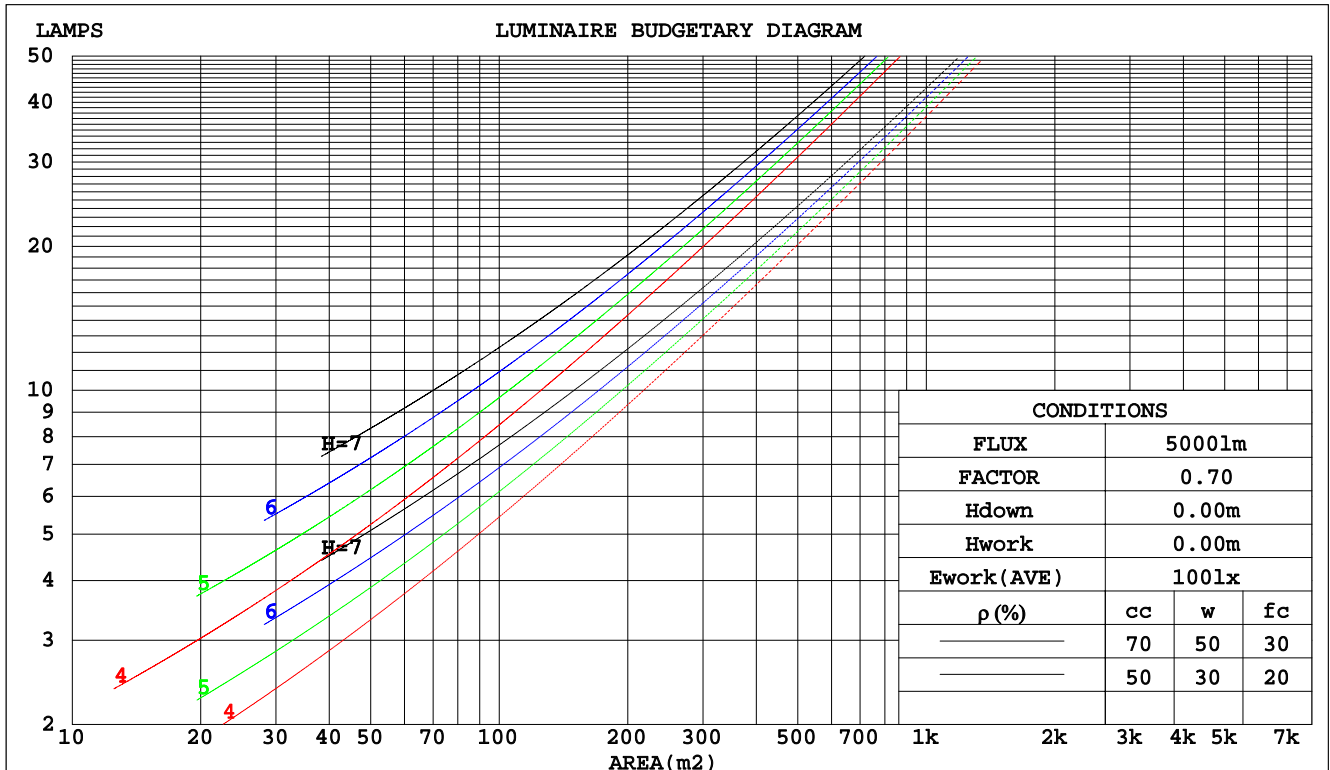
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-31

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.64V I:0.4256A P:96.245W PF:0.9847 Freq:49.99Hz Lamp Flux:14648.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 650*40	SERIAL No.:
MFR.: NLC2-0003-01	SUR.:3.14*0.325*0.325	Shielding 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			Coefficients of Utilization(CU)												
0.0	.98	.98	.98	.86	.86	.86	.62	.62	.62	.41	.41	.41	.21	.21	.21	.12
1.0	.86	.82	.79	.75	.72	.70	.55	.53	.52	.36	.35	.35	.19	.19	.19	.11
2.0	.75	.70	.65	.66	.62	.58	.49	.46	.43	.32	.31	.30	.18	.17	.16	.10
3.0	.67	.60	.55	.58	.53	.49	.43	.40	.37	.29	.27	.26	.16	.15	.15	.09
4.0	.59	.52	.47	.52	.46	.42	.39	.35	.32	.26	.24	.22	.15	.14	.13	.08
5.0	.53	.45	.40	.47	.40	.36	.35	.31	.28	.24	.21	.20	.13	.12	.12	.08
6.0	.47	.40	.35	.42	.36	.31	.31	.27	.24	.22	.19	.17	.12	.11	.11	.07
7.0	.43	.35	.30	.38	.32	.27	.28	.24	.21	.20	.17	.15	.12	.10	.10	.06
8.0	.39	.32	.27	.34	.28	.24	.26	.22	.19	.18	.16	.14	.11	.10	.09	.06
9.0	.35	.28	.24	.31	.26	.22	.24	.20	.17	.17	.14	.12	.10	.09	.08	.06
10.0	.32	.26	.21	.29	.23	.19	.22	.18	.15	.15	.13	.11	.09	.08	.07	.05



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-31

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

WEC AND CCEC

Test:U:229.64V I:0.4256A P:96.245W PF:0.9847 Freq:49.99Hz Lamp Flux:14648.9x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 650*40			SERIAL No.:		
MFR.: NLC2-0003-01			SUR.:3.14*0.325*0.325			Shielding 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	.252	.144	.045	.219	.125	.040	.156	.090	.029	.099	.057	.018	.046	.026	.009	
2.0	.233	.127	.039	.202	.111	.034	.145	.080	.025	.092	.052	.016	.043	.024	.008	
3.0	.215	.114	.034	.187	.100	.030	.134	.073	.022	.086	.047	.014	.040	.022	.007	
4.0	.200	.104	.030	.174	.091	.027	.125	.066	.020	.080	.043	.013	.038	.021	.006	
5.0	.186	.095	.027	.162	.083	.024	.117	.061	.018	.075	.040	.012	.036	.019	.006	
6.0	.174	.087	.025	.151	.077	.022	.110	.056	.016	.071	.037	.011	.034	.018	.005	
7.0	.162	.080	.023	.142	.071	.020	.103	.052	.015	.067	.034	.010	.032	.017	.005	
8.0	.153	.075	.021	.133	.066	.019	.097	.048	.014	.063	.032	.009	.031	.016	.005	
9.0	.144	.069	.019	.126	.061	.017	.092	.045	.013	.059	.030	.009	.029	.015	.004	
10.0	.135	.065	.018	.119	.057	.016	.087	.042	.012	.056	.028	.008	.028	.014	.004	

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	.860	.860	.860	.735	.735	.735	.502	.502	.502	.288	.288	.288	.092	.092	.092		
1.0	.852	.832	.814	.729	.714	.701	.498	.491	.485	.287	.284	.282	.092	.091	.091		
2.0	.844	.812	.785	.723	.699	.678	.495	.484	.473	.286	.281	.277	.092	.091	.090		
3.0	.837	.797	.765	.718	.688	.664	.493	.478	.465	.285	.279	.274	.091	.091	.090		
4.0	.831	.786	.752	.713	.679	.653	.490	.473	.460	.284	.277	.272	.091	.090	.089		
5.0	.825	.778	.743	.709	.673	.646	.488	.470	.456	.283	.276	.271	.091	.090	.089		
6.0	.820	.771	.736	.704	.668	.641	.486	.467	.453	.282	.275	.269	.091	.090	.089		
7.0	.814	.765	.731	.700	.663	.637	.484	.465	.451	.281	.274	.269	.091	.090	.089		
8.0	.809	.760	.727	.697	.660	.634	.482	.463	.450	.280	.273	.268	.091	.090	.089		
9.0	.804	.756	.724	.693	.656	.631	.480	.461	.448	.280	.273	.267	.091	.089	.089		
10.0	.800	.753	.722	.690	.654	.630	.478	.460	.447	.279	.272	.267	.090	.089	.089		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2024-05-31

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:11.700m [K=0.8547]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:229.64V I:0.4256A P:96.245W PF:0.9847 Freq:49.99Hz Lamp Flux:14648.9x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.: 650*40			SERIAL No.:				
MFR.: NLC2-0003-01			SUR.:3.14*0.325*0.325			Shielding 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	0.7	1.4	1.9	2.5	4.2	0.5	1.1	1.7	2.3	3.9
3H	0.6	1.2	1.8	2.3	4.0	0.3	0.9	1.5	2.1	3.8
4H	0.8	1.3	2.0	2.5	4.2	0.7	1.2	1.9	2.4	4.1
6H	1.5	2.0	2.7	3.2	4.8	1.9	2.4	3.1	3.6	5.2
8H	1.8	2.3	3.1	3.5	5.2	2.5	3.0	3.8	4.2	5.9
12H	1.9	2.3	3.1	3.5	5.2	3.1	3.5	4.3	4.7	6.4
4H 2H	0.3	0.8	1.5	2.0	3.7	0.0	0.6	1.2	1.7	3.4
3H	0.3	0.7	1.5	1.9	3.6	0.0	0.5	1.3	1.7	3.4
4H	0.7	1.1	2.0	2.3	4.1	0.7	1.1	2.0	2.3	4.0
6H	1.9	2.2	3.1	3.5	5.2	2.5	2.8	3.7	4.0	5.7
8H	2.5	2.8	3.7	4.0	5.7	3.3	3.7	4.6	4.9	6.6
12H	2.6	2.9	3.9	4.1	5.9	4.0	4.3	5.3	5.5	7.3
8H 4H	1.0	1.3	2.2	2.5	4.3	1.0	1.3	2.2	2.5	4.3
6H	2.6	2.8	3.8	4.1	5.8	3.1	3.4	4.4	4.6	6.4
8H	3.3	3.6	4.6	4.8	6.6	4.2	4.4	5.4	5.6	7.4
12H	3.6	3.8	4.8	5.0	6.8	5.0	5.2	6.3	6.4	8.2
12H 4H	1.1	1.4	2.4	2.6	4.4	1.1	1.4	2.3	2.6	4.4
6H	2.8	3.1	4.1	4.3	6.1	3.3	3.5	4.6	4.8	6.5
8H	3.7	3.8	4.9	5.1	6.9	4.4	4.6	5.7	5.9	7.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.8					+ 0.5 / - 0.6				
1.5H	+ 1.1 / - 0.7					+ 0.8 / - 0.5				
2.0H	+ 1.5 / - 0.6					+ 1.0 / - 0.4				

CIE Pub.117, 14649 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 9.3$)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2024-05-31

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:11.700m [K=0.8547]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:229.64V I:0.4256A P:96.245W PF:0.9847 Freq:49.99Hz Lamp Flux:14648.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 650*40	SERIAL No.:
MFR.: NLC2-0003-01	SUR.:3.14*0.325*0.325	Shielding Angle:

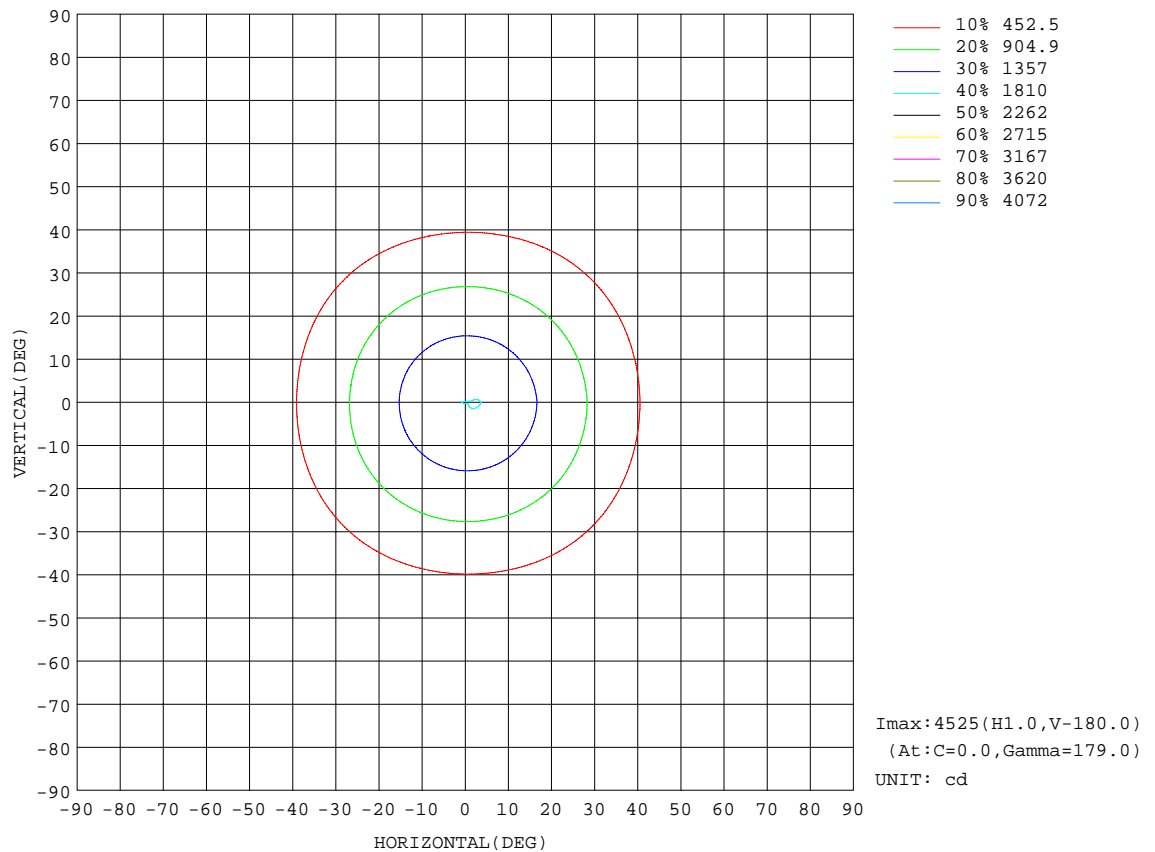
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	36	26	21	32	24	19	25	19	16	7
0.80	45	34	28	40	31	25	31	24	21	8
1.00	52	41	34	46	37	31	35	29	25	9
1.25	59	48	41	52	43	36	39	33	29	10
1.50	64	53	46	56	47	41	42	36	32	10
2.00	71	61	54	62	54	48	46	41	37	11
2.50	75	67	60	66	59	53	49	44	41	11
3.00	79	71	65	69	62	57	51	47	43	11
4.00	83	77	71	73	67	63	53	50	47	11
5.00	86	80	76	75	71	67	55	52	50	11
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2024-05-31

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:11.700m [K=0.8547]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:229.64V I:0.4256A P:96.245W PF:0.9847 Freq:49.99Hz Lamp Flux:14648.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 650*40	SERIAL No.:
MFR.: NLC2-0003-01	SUR.:3.14*0.325*0.325	Shielding Angle:

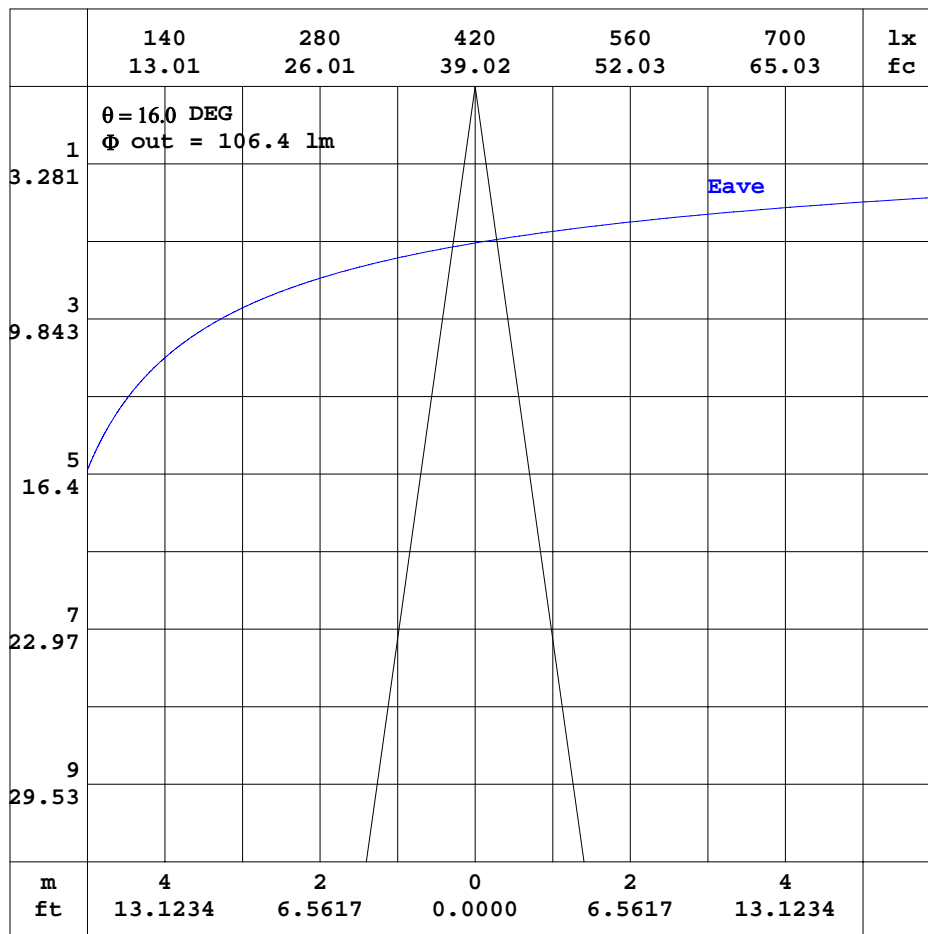


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2024-05-31

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity: 65.0%
Test Distance: 11.700m [K=0.8547]
Remarks:

AAI CURVES

Test:U:229.64V I:0.4256A P:96.245W PF:0.9847 Freq:49.99Hz Lamp Flux:14648.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 650*40	SERIAL No.:
MFR.: NLC2-0003-01	SUR.:3.14*0.325*0.325	Shielding Angle:



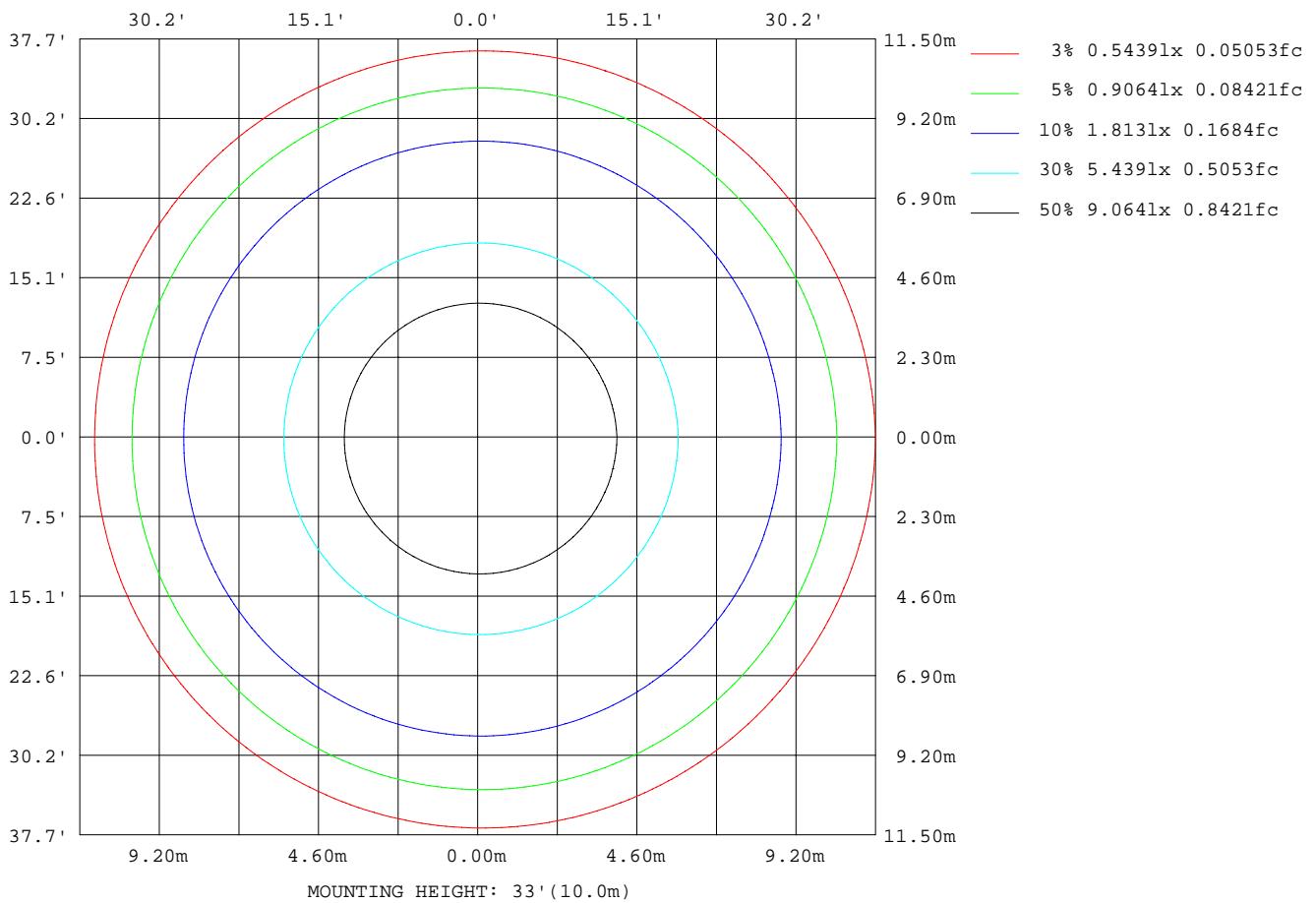
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-31

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

ISOLUX DIAGRAM

Test:U:229.64V I:0.4256A P:96.245W PF:0.9847 Freq:49.99Hz Lamp Flux:14648.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 650*40	SERIAL No.:
MFR.: NLC2-0003-01	SUR.:3.14*0.325*0.325	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2024-05-31

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity: 65.0%
Test Distance: 11.700m [K=0.8547]
Remarks:

LED Avg.L Report

Test:U:229.64V I:0.4256A P:96.245W PF:0.9847 Freq:49.99Hz Lamp Flux:14648.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 650*40	SERIAL No.:
MFR.: NLC2-0003-01	SUR.:3.14*0.325*0.325	Shielding Angle:

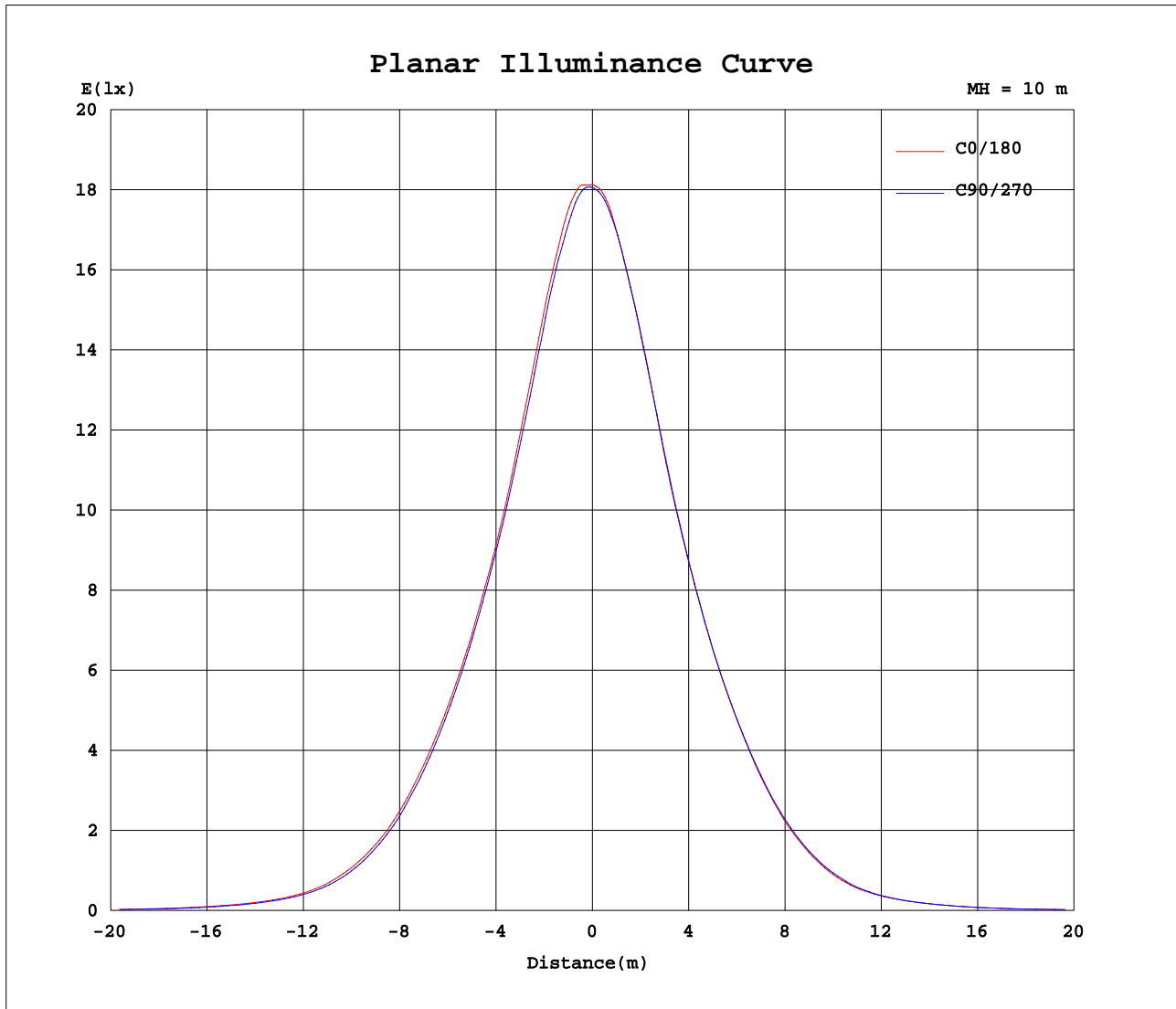
AvgL	cd/m2
L_0~180(65)av	193
L_0~180(75)av	395
L_0~180(85)av	125
L_90~270(65)av	177
L_90~270(75)av	464
L_90~270(85)av	1009
L_45(65)av	182
L_45(75)av	437
L_45(85)av	675

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-31

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2024-05-31

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity: 65.0%
Test Distance: 11.700m [K=0.8547]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.64V I:0.4256A P:96.245W PF:0.9847 Freq:49.99Hz Lamp Flux:14648.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 650*40	SERIAL No.:
MFR.: NLC2-0003-01	SUR.:3.14*0.325*0.325	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1813	1812	1811	1811	1810	1809	1809	1808	1808	1807	1807	1807	1806	1806	1806	1806	1806	1806	1806
5	1791	1788	1786	1784	1781	1779	1777	1775	1773	1771	1769	1768	1766	1764	1763	1761	1760	1758	1757
10	1639	1637	1635	1633	1631	1629	1627	1625	1623	1621	1620	1618	1616	1614	1613	1611	1609	1608	1606
15	1429	1427	1424	1422	1420	1418	1416	1414	1412	1410	1408	1406	1405	1403	1401	1399	1398	1396	1394
20	1209	1208	1207	1206	1205	1204	1203	1202	1201	1200	1198	1197	1196	1194	1193	1192	1190	1189	1188
25	1025	1024	1023	1022	1021	1020	1019	1018	1017	1016	1015	1013	1012	1011	1009	1008	1007	1005	1004
30	844	843	842	841	839	838	837	836	835	834	832	831	830	828	827	826	824	823	821
35	662	660	659	658	656	655	654	652	651	650	648	647	646	644	643	641	640	638	637
40	471	470	469	468	466	465	464	463	461	460	459	457	456	455	453	452	451	449	448
45	304	302	301	300	299	298	297	295	294	293	292	290	289	288	286	285	284	282	281
50	171	170	169	169	168	167	166	166	165	164	163	163	162	161	160	159	159	158	157
55	97.0	96.4	95.8	95.2	94.6	94.0	93.4	92.9	92.3	91.8	91.2	90.7	90.2	89.7	89.2	88.7	88.3	87.8	87.4
60	51.4	50.7	50.1	49.5	48.9	48.3	47.8	47.2	46.7	46.2	45.7	45.2	44.7	44.3	43.9	43.5	43.1	42.7	42.3
65	30.1	29.9	29.6	29.4	29.2	28.9	28.7	28.5	28.3	28.1	27.9	27.7	27.5	27.3	27.1	26.9	26.7	26.5	26.3
70	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.1	30.1	30.1	30.0	30.0	29.9	29.9	29.8	29.7	29.7	29.6	29.5
75	36.0	36.8	37.6	38.4	39.0	39.7	40.2	40.8	41.2	41.6	42.0	42.3	42.5	42.7	42.8	42.9	43.0	42.9	42.8
80	38.5	40.4	42.2	43.8	45.4	46.8	48.0	49.2	50.2	51.0	51.8	52.4	52.9	53.2	53.4	53.5	53.5	53.3	53.0
85	4.68	7.60	10.4	12.9	15.4	17.6	19.7	21.6	23.3	24.9	26.2	27.5	28.5	29.4	30.1	30.6	31.0	31.2	31.2
90	0.88	0.86	0.83	0.81	0.79	0.77	0.76	0.74	0.73	0.71	0.70	0.70	0.69	0.68	0.68	0.68	0.68	0.68	0.69
95	51.6	52.7	53.7	54.6	55.5	56.3	57.0	57.6	58.2	58.7	59.2	59.5	59.8	60.1	60.2	60.3	60.3	60.3	60.2
100	271	273	275	277	279	280	282	283	284	285	286	286	286	286	286	286	285	285	284
105	668	672	675	677	680	682	684	685	686	687	688	689	689	689	688	688	687	685	684
110	1172	1175	1177	1179	1181	1182	1183	1184	1185	1185	1185	1185	1185	1184	1184	1182	1181	1180	1178
115	1649	1650	1651	1652	1652	1652	1652	1652	1652	1652	1651	1651	1650	1649	1648	1647	1645	1644	1642
120	2100	2100	2099	2099	2098	2097	2096	2095	2094	2093	2092	2090	2089	2087	2086	2084	2083	2081	2079
125	2500	2499	2498	2497	2496	2494	2493	2492	2491	2489	2488	2487	2485	2484	2482	2481	2479	2478	2476
130	2864	2863	2861	2859	2858	2856	2855	2853	2852	2850	2849	2847	2846	2844	2843	2842	2840	2839	2838
135	3203	3199	3196	3192	3189	3186	3183	3180	3178	3175	3173	3170	3168	3166	3164	3162	3160	3159	3157
140	3500	3496	3492	3488	3484	3480	3476	3473	3470	3466	3463	3461	3458	3455	3453	3451	3449	3447	3445
145	3750	3745	3740	3736	3732	3728	3724	3720	3717	3713	3710	3707	3704	3702	3700	3697	3695	3694	3692
150	3961	3956	3952	3948	3944	3941	3937	3934	3930	3927	3924	3922	3919	3917	3915	3912	3911	3909	3907
155	4138	4134	4130	4126	4123	4119	4116	4113	4110	4107	4105	4102	4100	4098	4096	4094	4092	4090	4089
160	4280	4276	4273	4270	4267	4264	4261	4258	4256	4253	4251	4249	4247	4245	4243	4242	4240	4239	4238
165	4389	4386	4384	4381	4378	4376	4374	4371	4369	4367	4365	4364	4362	4360	4359	4358	4356	4355	4354
170	4470	4467	4464	4461	4459	4456	4454	4452	4450	4448	4446	4444	4443	4442	4440	4439	4438	4437	4436
175	4510	4508	4506	4504	4502	4500	4498	4497	4495	4494	4492	4491	4490	4489	4488	4488	4487	4486	4486
180	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-31

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.64V I:0.4256A P:96.245W PF:0.9847 Freq:49.99Hz Lamp Flux:14648.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 650*40	SERIAL No.:
MFR.: NLC2-0003-01	SUR.:3.14*0.325*0.325	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1806	1806	1807	1807	1807	1808	1808	1809	1809	1810	1810	1811	1811	1811	1812	1812	1813	1813	1813
5	1756	1755	1754	1753	1752	1751	1751	1750	1749	1749	1748	1747	1747	1746	1746	1745	1745	1745	1744
10	1604	1603	1601	1599	1598	1596	1595	1593	1592	1590	1589	1588	1587	1586	1584	1583	1582	1582	1581
15	1393	1391	1389	1388	1386	1385	1384	1382	1381	1380	1378	1377	1376	1375	1374	1373	1373	1372	1371
20	1186	1184	1182	1180	1178	1176	1174	1172	1170	1168	1166	1164	1163	1161	1160	1158	1157	1156	1155
25	1002	1000	997	995	993	991	989	987	985	983	981	979	978	976	974	973	971	970	969
30	820	818	816	814	812	811	809	807	805	803	802	800	799	797	796	794	793	792	791
35	635	633	631	629	627	626	624	622	620	619	617	615	614	612	611	610	609	608	607
40	446	444	443	441	439	437	436	434	433	431	430	428	427	426	424	423	422	421	421
45	279	278	276	274	272	271	269	267	266	264	263	261	260	259	258	257	256	255	254
50	156	155	154	153	152	151	150	149	149	148	147	146	145	145	144	143	143	142	142
55	86.9	86.4	86.0	85.5	85.1	84.7	84.3	83.9	83.6	83.2	82.9	82.6	82.3	82.0	81.7	81.5	81.3	81.1	80.9
60	42.0	41.7	41.4	41.1	40.9	40.6	40.4	40.2	40.0	39.8	39.6	39.4	39.3	39.1	39.0	38.9	38.8	38.7	38.5
65	26.2	26.0	25.8	25.6	25.5	25.3	25.2	25.0	24.9	24.7	24.6	24.5	24.4	24.2	24.1	24.0	23.9	23.8	23.7
70	29.4	29.3	29.1	29.0	28.9	28.7	28.6	28.5	28.3	28.2	28.0	27.9	27.7	27.6	27.4	27.3	27.2	27.0	26.9
75	42.4	41.9	41.3	40.8	40.1	39.5	38.8	38.2	37.5	36.8	36.1	35.4	34.8	34.1	33.5	33.0	32.4	31.9	32.0
80	51.8	50.4	49.0	47.4	45.8	44.2	42.5	40.7	39.0	37.3	35.5	33.8	32.2	30.6	29.1	27.7	26.3	25.2	25.5
85	30.1	28.8	27.3	25.8	24.2	22.4	20.7	18.8	17.0	15.2	13.3	11.5	9.79	8.12	6.54	5.06	3.72	2.52	3.42
90	0.70	0.72	0.74	0.76	0.78	0.80	0.82	0.85	0.87	0.89	0.92	0.94	0.96	0.98	1.01	1.03	1.05	1.07	1.07
95	59.6	59.1	58.4	57.7	57.0	56.2	55.4	54.6	53.7	52.8	51.9	51.0	50.1	49.2	48.3	47.5	46.6	45.8	45.3
100	282	280	277	275	272	270	267	264	261	258	256	253	250	247	245	242	240	237	236
105	680	677	673	668	664	660	655	651	646	641	637	632	628	624	620	616	612	609	609
110	1174	1170	1166	1162	1157	1153	1148	1144	1139	1135	1130	1126	1121	1117	1113	1109	1106	1103	1102
115	1639	1636	1633	1629	1626	1622	1619	1615	1612	1608	1605	1602	1598	1595	1592	1589	1587	1584	1583
120	2076	2074	2071	2068	2065	2062	2060	2057	2054	2051	2049	2046	2043	2041	2039	2036	2034	2032	2031
125	2475	2473	2471	2469	2467	2465	2463	2462	2460	2458	2456	2454	2453	2451	2450	2448	2447	2445	2444
130	2836	2835	2834	2833	2831	2830	2829	2828	2827	2826	2825	2824	2823	2822	2821	2820	2819	2818	2817
135	3156	3155	3155	3154	3153	3153	3153	3152	3152	3152	3151	3151	3151	3151	3151	3151	3151	3151	3149
140	3444	3443	3442	3441	3440	3440	3440	3439	3439	3439	3439	3439	3439	3438	3438	3438	3439	3439	3437
145	3691	3691	3690	3690	3690	3690	3690	3690	3690	3691	3691	3692	3692	3693	3693	3694	3694	3695	3693
150	3906	3906	3905	3905	3905	3904	3904	3904	3904	3905	3905	3905	3905	3906	3906	3906	3907	3907	3906
155	4088	4087	4087	4086	4086	4086	4086	4086	4086	4086	4086	4087	4087	4087	4088	4088	4088	4089	4088
160	4237	4237	4237	4236	4236	4236	4236	4237	4237	4237	4237	4238	4238	4239	4239	4239	4240	4240	4240
165	4354	4353	4353	4353	4353	4352	4352	4352	4353	4353	4353	4353	4353	4353	4354	4354	4354	4354	4354
170	4436	4436	4437	4437	4437	4437	4438	4438	4439	4440	4440	4441	4441	4442	4443	4443	4444	4444	4443
175	4486	4486	4487	4487	4488	4488	4489	4489	4490	4491	4491	4492	4493	4493	4494	4495	4495	4496	4495
180	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-31

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.64V I:0.4256A P:96.245W PF:0.9847 Freq:49.99Hz Lamp Flux:14648.9x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 650*40					SERIAL No.:				
MFR.: NLC2-0003-01									SUR.:3.14*0.325*0.325					Shielding Angle:				

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1812	1812	1811	1811	1811	1810	1810	1809	1809	1808	1808	1807	1807	1807	1806	1806	1806	1806	1806
5	1743	1742	1741	1740	1739	1738	1738	1737	1737	1737	1736	1736	1736	1737	1737	1737	1738	1740	1741
10	1580	1579	1578	1577	1577	1577	1576	1576	1576	1576	1576	1576	1577	1578	1579	1580	1581	1582	1584
15	1370	1370	1369	1369	1369	1368	1368	1368	1369	1369	1369	1370	1370	1371	1372	1373	1375	1376	1378
20	1154	1154	1153	1153	1153	1153	1153	1153	1154	1154	1155	1156	1156	1157	1158	1160	1161	1163	1164
25	968	967	966	966	966	965	965	965	965	965	966	966	967	968	969	970	971	973	975
30	790	790	789	788	788	788	788	788	788	788	788	789	789	790	791	792	793	795	796
35	607	606	606	606	606	606	606	606	607	607	608	609	610	611	612	613	615	616	618
40	421	421	421	421	421	421	421	422	422	423	424	425	426	427	428	429	431	432	434
45	254	254	254	255	255	255	256	257	257	258	259	260	261	262	264	265	266	268	269
50	142	142	142	141	141	142	142	142	142	142	143	143	144	144	145	146	146	147	148
55	80.7	80.5	80.4	80.3	80.2	80.2	80.1	80.1	80.2	80.3	80.4	80.5	80.7	80.9	81.2	81.5	81.9	82.3	82.9
60	38.3	38.2	38.0	37.9	37.8	37.7	37.6	37.6	37.6	37.6	37.6	37.7	37.8	37.9	38.1	38.3	38.5	38.9	39.3
65	23.6	23.5	23.4	23.3	23.2	23.1	23.1	23.0	23.0	23.0	23.0	23.0	23.0	23.1	23.1	23.2	23.3	23.5	23.7
70	26.7	26.6	26.4	26.3	26.2	26.1	25.9	25.8	25.8	25.7	25.6	25.6	25.5	25.5	25.5	25.5	25.6	25.6	25.8
75	32.1	32.2	32.4	32.6	32.9	33.2	33.4	33.8	34.1	34.4	34.8	35.2	35.5	35.9	36.2	36.6	36.9	37.0	37.1
80	25.9	26.4	27.1	27.8	28.7	29.6	30.5	31.5	32.6	33.7	34.7	35.8	36.9	38.0	39.1	40.1	41.1	41.4	41.7
85	4.46	5.63	6.91	8.29	9.75	11.3	12.8	14.4	16.0	17.6	19.2	20.7	22.2	23.6	24.9	26.1	27.1	27.1	26.9
90	1.07	1.07	1.07	1.07	1.07	1.06	1.06	1.05	1.05	1.04	1.03	1.02	1.02	1.01	1.00	0.99	0.98	0.97	0.97
95	44.8	44.4	44.0	43.7	43.3	43.1	42.8	42.6	42.4	42.3	42.2	42.1	42.1	42.1	42.2	42.2	42.4	42.5	42.8
100	236	235	234	234	233	233	234	234	234	234	234	235	236	236	237	238	239	240	241
105	609	609	609	610	611	612	613	614	616	618	620	622	624	626	629	631	634	635	637
110	1101	1101	1101	1102	1102	1103	1104	1105	1107	1108	1110	1112	1114	1116	1118	1121	1123	1125	1127
115	1582	1582	1581	1581	1581	1581	1581	1582	1582	1583	1584	1586	1587	1588	1590	1592	1594	1596	1598
120	2030	2029	2028	2028	2027	2027	2027	2027	2027	2028	2028	2029	2030	2031	2032	2034	2036	2038	2040
125	2443	2442	2441	2440	2439	2438	2438	2437	2437	2437	2437	2437	2438	2438	2439	2440	2441	2442	2444
130	2816	2814	2813	2812	2811	2810	2809	2808	2808	2807	2807	2807	2806	2807	2807	2807	2808	2809	2811
135	3148	3147	3145	3144	3143	3142	3141	3140	3139	3138	3138	3137	3137	3137	3137	3138	3138	3140	3141
140	3436	3434	3433	3432	3431	3429	3428	3427	3427	3426	3425	3425	3425	3425	3425	3426	3426	3428	3430
145	3692	3691	3690	3688	3687	3686	3685	3684	3683	3682	3682	3681	3681	3681	3681	3681	3681	3683	3685
150	3905	3904	3903	3902	3901	3900	3899	3898	3897	3897	3896	3896	3896	3896	3896	3896	3897	3899	3900
155	4087	4086	4085	4085	4084	4083	4083	4082	4082	4081	4081	4081	4081	4081	4081	4082	4082	4084	4086
160	4239	4238	4237	4237	4236	4235	4235	4234	4234	4233	4233	4233	4233	4233	4233	4233	4234	4235	4236
165	4353	4352	4351	4351	4350	4349	4349	4348	4348	4347	4347	4347	4346	4346	4347	4347	4347	4348	4349
170	4443	4442	4441	4440	4439	4438	4438	4437	4436	4435	4435	4434	4434	4433	4433	4433	4433	4434	4435
175	4494	4494	4493	4492	4492	4491	4490	4489	4489	4488	4487	4487	4486	4486	4486	4485	4485	4486	4486
180	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-31

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.64V I:0.4256A P:96.245W PF:0.9847 Freq:49.99Hz Lamp Flux:14648.9x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 650*40						SERIAL No.:		
MFR.: NLC2-0003-01									SUR.:3.14*0.325*0.325						Shielding Angle:		

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1806	1806	1806	1806	1807	1807	1807	1808	1808	1809	1809	1810	1811	1811	1812				
5	1743	1745	1747	1749	1752	1754	1757	1760	1763	1767	1770	1774	1778	1782	1786				
10	1586	1589	1591	1594	1596	1599	1602	1606	1609	1613	1617	1621	1625	1629	1634				
15	1380	1382	1384	1387	1390	1392	1395	1398	1402	1405	1409	1412	1416	1420	1424				
20	1166	1168	1170	1172	1175	1177	1180	1182	1185	1188	1191	1195	1198	1202	1205				
25	977	979	981	984	986	989	992	995	998	1001	1005	1009	1012	1016	1021				
30	798	800	802	805	807	810	812	815	818	821	825	828	832	836	840				
35	620	622	624	626	628	631	633	636	639	642	645	648	651	654	658				
40	435	437	439	441	443	445	447	449	452	454	457	460	462	465	468				
45	271	272	274	276	278	280	282	284	286	288	291	293	296	298	301				
50	149	150	151	152	153	155	156	157	159	160	162	164	165	167	169				
55	83.4	84.0	84.6	85.3	86.1	86.8	87.7	88.5	89.4	90.4	91.4	92.4	93.5	94.6	95.8				
60	39.8	40.3	40.8	41.4	42.0	42.6	43.3	44.1	44.8	45.7	46.5	47.4	48.3	49.3	50.3				
65	24.0	24.2	24.5	24.8	25.1	25.5	25.8	26.2	26.6	27.1	27.5	28.0	28.5	29.0	29.6				
70	25.9	26.1	26.2	26.4	26.6	26.9	27.1	27.4	27.7	28.0	28.3	28.6	29.0	29.4	29.8				
75	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.1	37.0	36.9	36.8	36.7	36.5	36.4	36.2				
80	41.9	42.1	42.2	42.3	42.3	42.2	42.1	41.9	41.7	41.4	41.1	40.7	40.2	39.7	39.1				
85	26.6	26.2	25.6	24.9	24.0	22.9	21.8	20.5	19.0	17.4	15.6	13.7	11.7	9.49	7.16				
90	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.90	0.90	0.89				
95	43.0	43.3	43.7	44.0	44.5	44.9	45.4	45.9	46.5	47.1	47.8	48.5	49.2	49.9	50.8				
100	243	244	245	247	248	250	251	253	255	257	259	261	264	266	268				
105	639	640	642	644	646	648	650	652	654	656	658	660	662	664	666				
110	1129	1132	1134	1136	1139	1142	1144	1147	1150	1153	1156	1159	1162	1165	1169				
115	1600	1602	1605	1607	1610	1613	1616	1619	1622	1626	1629	1633	1637	1641	1645				
120	2042	2045	2047	2050	2054	2057	2060	2064	2068	2072	2076	2081	2085	2090	2095				
125	2446	2449	2451	2454	2456	2459	2463	2466	2470	2473	2477	2482	2486	2491	2495				
130	2813	2815	2817	2819	2822	2825	2828	2831	2834	2838	2842	2846	2850	2855	2860				
135	3144	3146	3148	3151	3154	3157	3161	3164	3168	3173	3177	3182	3186	3192	3197				
140	3433	3436	3438	3442	3445	3449	3453	3457	3461	3466	3471	3477	3482	3488	3494				
145	3687	3690	3692	3695	3698	3702	3705	3709	3713	3718	3723	3727	3733	3738	3744				
150	3902	3905	3907	3910	3913	3916	3920	3923	3927	3931	3936	3940	3945	3950	3955				
155	4087	4089	4092	4094	4097	4099	4102	4106	4109	4113	4116	4120	4124	4129	4133				
160	4238	4239	4241	4243	4245	4248	4250	4253	4256	4258	4262	4265	4268	4272	4276				
165	4351	4352	4354	4356	4358	4360	4362	4364	4367	4370	4373	4376	4379	4382	4386				
170	4436	4437	4438	4440	4441	4443	4445	4447	4450	4452	4455	4457	4460	4463	4466				
175	4487	4488	4489	4490	4491	4492	4493	4495	4496	4498	4500	4501	4503	4505	4508				
180	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521	4521				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-31

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks: