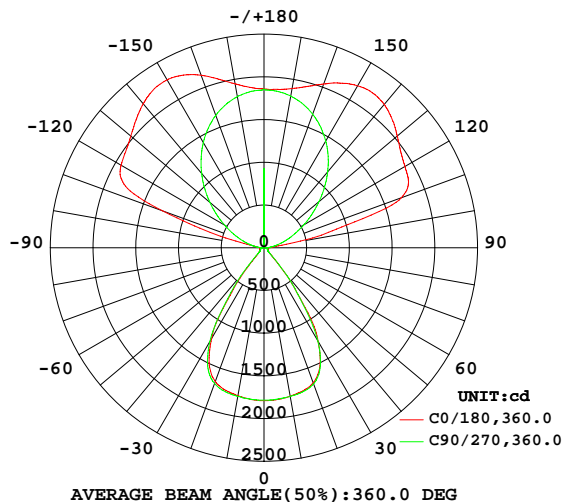


LUMINAIRE PHOTOMETRIC TEST REPORT

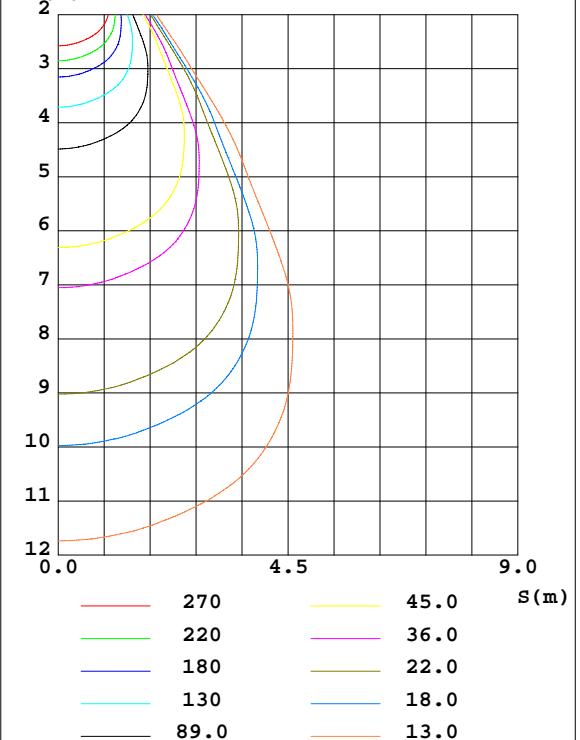
Test:U:229.67V I:0.3395A P:76.959W PF:0.9870 Freq:49.99Hz Lamp Flux:9621.27x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 960*42*38	SERIAL No.:
MFR.: NLD25-0020-01	SUR.:0.96*0.035	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.02 lm/W			
MODEL		I _{max} (cd)	2271	S/MH(C0/180)	0.97
NOMINAL POWER(W)	80	LOR(%)	100.0	S/MH(C90/270)	0.98
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	9621.3	η UP,DN(C0-180)	38.6,11.6
NOMINAL FLUX(lm)	9621.27	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	38.2,11.5
LAMPS INSIDE	1	η up(%)	76.9	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230.0	η down(%)	23.1	CIBSE SHR MAX	1.10

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:2025-09-28

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:

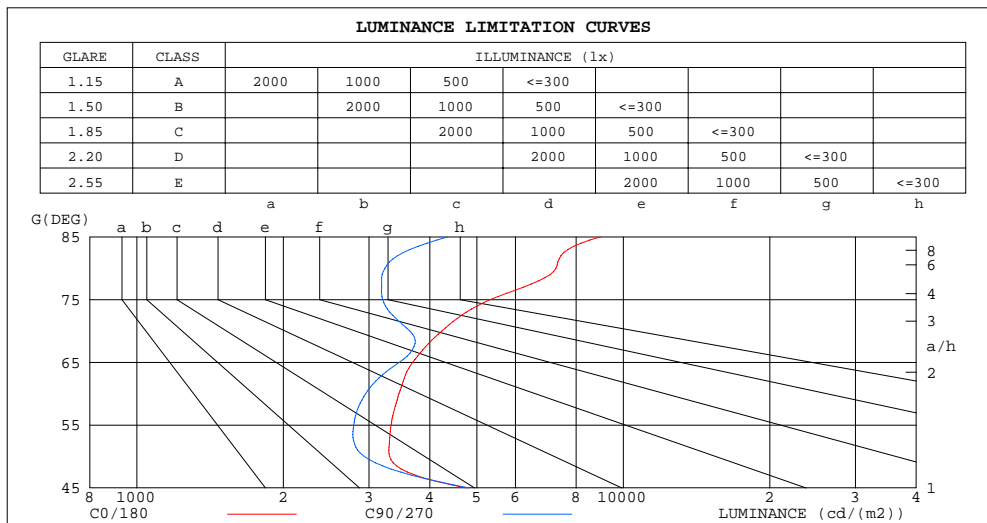
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	1764	1779	1767	1745	1758	1774	1767	1749	0- 10	169.3	169.3	1.76,1.76
20	1683	1667	1696	1587	1666	1647	1691	1603	10- 20	486.0	655.3	6.81,6.81
30	1267	1295	1264	1239	1228	1261	1268	1271	20- 30	685.9	1341	13.9,13.9
40	362.0	610.2	381.1	621.5	316.5	586.6	390.2	689.6	30- 40	541.3	1882	19.6,19.6
50	71.44	86.44	63.37	67.16	71.44	83.32	63.32	67.32	40- 50	147.7	2030	21.1,21.1
60	58.08	67.93	49.61	61.07	58.67	67.21	49.08	60.58	50- 60	56.99	2087	21.7,21.7
70	48.70	59.02	41.83	54.35	51.19	58.41	42.17	53.33	60- 70	55.06	2142	22.3,22.3
80	42.42	53.73	18.89	44.86	46.82	55.15	18.91	41.76	70- 80	50.67	2193	22.8,22.8
90	18.80	22.51	3.875	25.34	24.76	25.34	5.232	19.52	80- 90	31.92	2225	23.1,23.1
100	362.1	697.6	125.3	366.9	123.5	318.4	124.3	699.0	90-100	134.4	2359	24.5,24.5
110	1709	1247	297.1	1213	1265	1225	295.2	1205	100-110	742.4	3102	32.2,32.2
120	1904	1558	540.3	1537	1932	1514	533.6	1509	110-120	1206	4308	44.8,44.8
130	2036	1776	839.7	1801	2035	1780	827.6	1726	120-130	1306	5613	58.3,58.3
140	2190	1862	1160	1936	2200	1929	1136	1821	130-140	1293	6907	71.8,71.8
150	2190	1862	1444	1955	2269	1957	1421	1837	140-150	1142	8049	83.7,83.7
160	2040	1840	1665	1917	2148	1915	1650	1832	150-160	866.7	8916	92.7,92.7
170	1893	1834	1804	1878	1949	1866	1798	1840	160-170	528.7	9445	98.2,98.2
180	1858	1858	1858	1858	1858	1858	1858	1858	170-180	176.8	9621	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:2025-09-28

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:229.67V I:0.3395A P:76.959W PF:0.9870 Freq:49.99Hz Lamp Flux:9621.27x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 960*42*38	SERIAL No.:
MFR.: NLD25-0020-01	SUR.:0.96*0.035	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	8991	4360
80	7271	3237
75	5328	3203
70	4238	3640
65	3689	3461
60	3457	2953
55	3330	2792
50	3308	2934
45	4756	4818

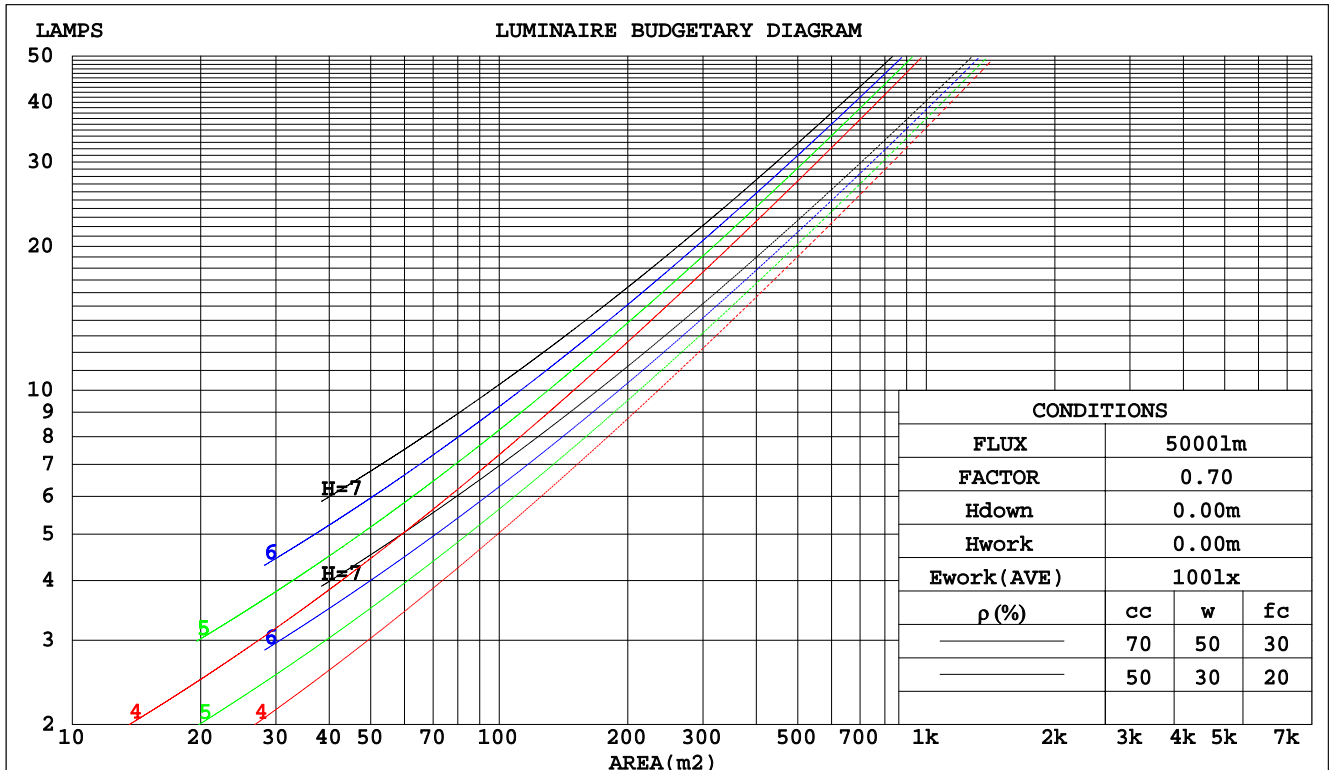
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-09-28

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:229.67V I:0.3395A P:76.959W PF:0.9870 Freq:49.99Hz Lamp Flux:9621.27x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 960*42*38	SERIAL No.:
MFR.: NLD25-0020-01	SUR.:0.96*0.035	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	1.01	1.01	1.01	.89	.89	.89	.68	.68	.68	.49	.49	.49	.31	.31	.31	.23
1.0	.89	.85	.82	.79	.76	.74	.61	.59	.57	.44	.43	.42	.29	.28	.28	.21
2.0	.78	.73	.68	.70	.66	.62	.54	.51	.49	.40	.38	.37	.27	.26	.25	.19
3.0	.70	.63	.58	.63	.57	.53	.49	.45	.42	.36	.34	.32	.24	.23	.22	.17
4.0	.62	.55	.50	.56	.50	.46	.44	.40	.37	.33	.30	.28	.23	.21	.20	.16
5.0	.56	.49	.44	.51	.44	.40	.40	.36	.33	.30	.27	.25	.21	.20	.18	.15
6.0	.51	.43	.38	.46	.40	.35	.36	.32	.29	.28	.25	.23	.19	.18	.17	.14
7.0	.46	.39	.34	.42	.36	.31	.33	.29	.26	.25	.23	.21	.18	.17	.15	.13
8.0	.42	.35	.30	.38	.32	.28	.31	.26	.23	.24	.21	.19	.17	.15	.14	.12
9.0	.38	.32	.27	.35	.29	.25	.28	.24	.21	.22	.19	.17	.16	.14	.13	.11
10.0	.35	.29	.24	.32	.27	.23	.26	.22	.19	.20	.18	.16	.15	.13	.12	.10



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-09-28

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:229.67V I:0.3395A P:76.959W PF:0.9870 Freq:49.99Hz Lamp Flux:9621.27x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 960*42*38			SERIAL No.:		
MFR.: NLD25-0020-01			SUR.:0.96*0.035			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	.248	.141	.045	.218	.125	.040	.162	.093	.030	.110	.063	.020	.062	.036	.012		
2.0	.229	.125	.038	.201	.111	.034	.150	.083	.026	.102	.057	.018	.058	.033	.010		
3.0	.212	.113	.034	.187	.100	.030	.139	.076	.023	.096	.052	.016	.055	.031	.009		
4.0	.197	.102	.030	.174	.091	.027	.130	.069	.021	.090	.048	.015	.052	.028	.009		
5.0	.183	.093	.027	.162	.083	.024	.122	.063	.019	.084	.045	.013	.049	.026	.008		
6.0	.172	.086	.025	.152	.077	.022	.114	.059	.017	.080	.041	.012	.047	.025	.007		
7.0	.161	.080	.023	.143	.071	.020	.108	.054	.016	.075	.039	.011	.045	.023	.007		
8.0	.151	.074	.021	.134	.066	.019	.102	.051	.015	.071	.036	.010	.043	.022	.006		
9.0	.143	.069	.019	.127	.062	.017	.096	.048	.013	.068	.034	.010	.041	.021	.006		
10.0	.135	.065	.018	.120	.058	.016	.091	.045	.013	.064	.032	.009	.039	.020	.006		

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	.776	.776	.776	.663	.663	.663	.453	.453	.453	.260	.260	.260	.083	.083	.083		
1.0	.767	.747	.730	.656	.641	.628	.449	.441	.434	.258	.255	.253	.083	.082	.082		
2.0	.758	.727	.700	.650	.626	.605	.445	.433	.422	.257	.252	.247	.082	.081	.081		
3.0	.751	.712	.680	.644	.614	.590	.442	.426	.414	.255	.249	.244	.082	.081	.080		
4.0	.744	.700	.666	.639	.605	.579	.439	.422	.408	.254	.247	.241	.082	.080	.079		
5.0	.738	.691	.657	.634	.598	.571	.437	.418	.403	.253	.245	.239	.082	.080	.079		
6.0	.732	.684	.649	.629	.592	.566	.434	.415	.400	.252	.244	.238	.081	.080	.079		
7.0	.727	.678	.644	.625	.588	.561	.432	.412	.398	.251	.243	.237	.081	.080	.078		
8.0	.722	.673	.640	.621	.584	.558	.430	.410	.396	.250	.242	.236	.081	.079	.078		
9.0	.717	.669	.637	.618	.581	.556	.428	.408	.394	.249	.241	.235	.081	.079	.078		
10.0	.712	.666	.634	.614	.578	.554	.426	.407	.393	.248	.240	.235	.081	.079	.078		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2025-09-28

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:229.67V I:0.3395A P:76.959W PF:0.9870 Freq:49.99Hz Lamp Flux:9621.27x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.: 960*42*38			SERIAL No.:				
MFR.: NLD25-0020-01			SUR.:0.96*0.035			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	10.9	11.6	12.0	12.7	14.1	10.4	11.1	11.5	12.2	13.6
3H	11.3	11.9	12.4	13.0	14.5	10.6	11.2	11.7	12.3	13.8
4H	11.8	12.4	12.9	13.5	15.0	10.8	11.3	11.9	12.4	13.9
6H	12.4	12.9	13.5	14.0	15.5	10.9	11.4	12.0	12.5	14.0
8H	12.6	13.1	13.8	14.3	15.8	10.9	11.4	12.0	12.5	14.1
12H	12.9	13.4	14.1	14.5	16.1	10.9	11.4	12.1	12.5	14.1
4H 2H	10.6	11.2	11.7	12.3	13.8	10.2	10.7	11.3	11.8	13.3
3H	11.4	11.9	12.6	13.0	14.6	10.7	11.1	11.8	12.3	13.8
4H	12.2	12.7	13.4	13.8	15.4	11.1	11.5	12.2	12.6	14.2
6H	13.1	13.4	14.2	14.6	16.2	11.4	11.7	12.5	12.9	14.5
8H	13.5	13.8	14.6	14.9	16.5	11.5	11.8	12.7	13.0	14.6
12H	13.8	14.1	15.0	15.3	16.9	11.6	11.9	12.8	13.1	14.7
8H 4H	12.5	12.8	13.7	14.0	15.6	11.5	11.8	12.7	13.0	14.6
6H	13.6	13.9	14.8	15.1	16.7	12.2	12.4	13.4	13.6	15.2
8H	14.2	14.4	15.4	15.6	17.2	12.5	12.7	13.7	13.9	15.5
12H	14.7	14.9	15.9	16.1	17.8	12.8	13.0	14.0	14.2	15.8
12H 4H	12.5	12.8	13.7	13.9	15.6	11.6	11.9	12.8	13.0	14.7
6H	13.7	14.0	14.9	15.1	16.8	12.4	12.7	13.6	13.8	15.5
8H	14.4	14.6	15.6	15.8	17.4	12.9	13.1	14.1	14.3	15.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.7 / - 0.7					+ 0.9 / - 1.0				
1.5H	+ 1.5 / - 0.7					+ 1.9 / - 1.0				
2.0H	+ 0.3 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117, 9621 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 7.9$)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2025-09-28

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:229.67V I:0.3395A P:76.959W PF:0.9870 Freq:49.99Hz Lamp Flux:9621.27x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 960*42*38	SERIAL No.:
MFR.: NLD25-0020-01	SUR.:0.96*0.035	Shielding Angle:

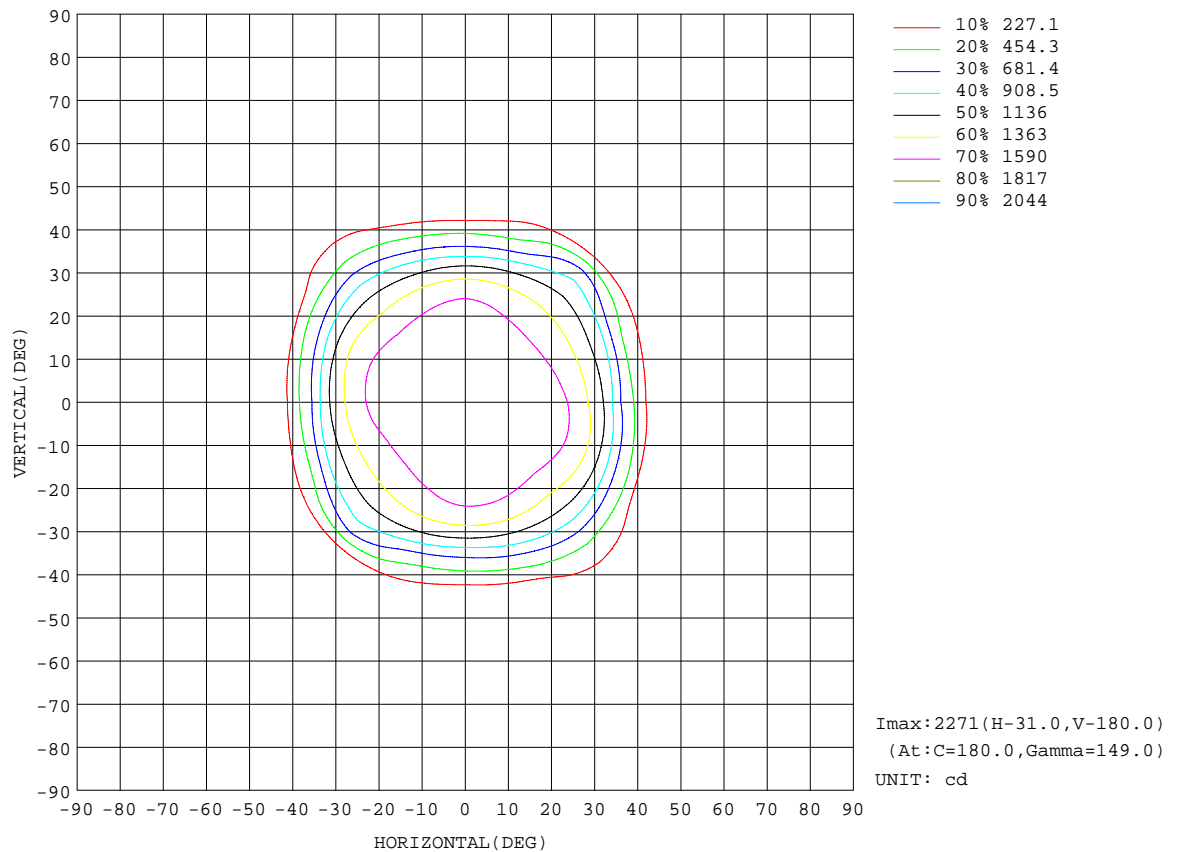
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	42	32	27	39	30	25	33	26	23	15
0.80	50	40	34	46	37	32	38	32	28	17
1.00	57	46	40	52	43	37	42	36	32	18
1.25	63	53	46	57	48	42	46	40	36	19
1.50	68	58	51	61	53	47	49	43	39	20
2.00	75	66	59	67	59	54	53	48	44	20
2.50	79	71	64	71	64	59	56	51	47	21
3.00	82	75	69	74	67	62	57	53	50	21
4.00	87	80	75	77	72	68	60	57	54	22
5.00	89	84	79	79	75	71	61	59	56	22
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:2025-09-28

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:229.67V I:0.3395A P:76.959W PF:0.9870 Freq:49.99Hz Lamp Flux:9621.27x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 960*42*38	SERIAL No.:
MFR.: NLD25-0020-01	SUR.:0.96*0.035	Shielding Angle:

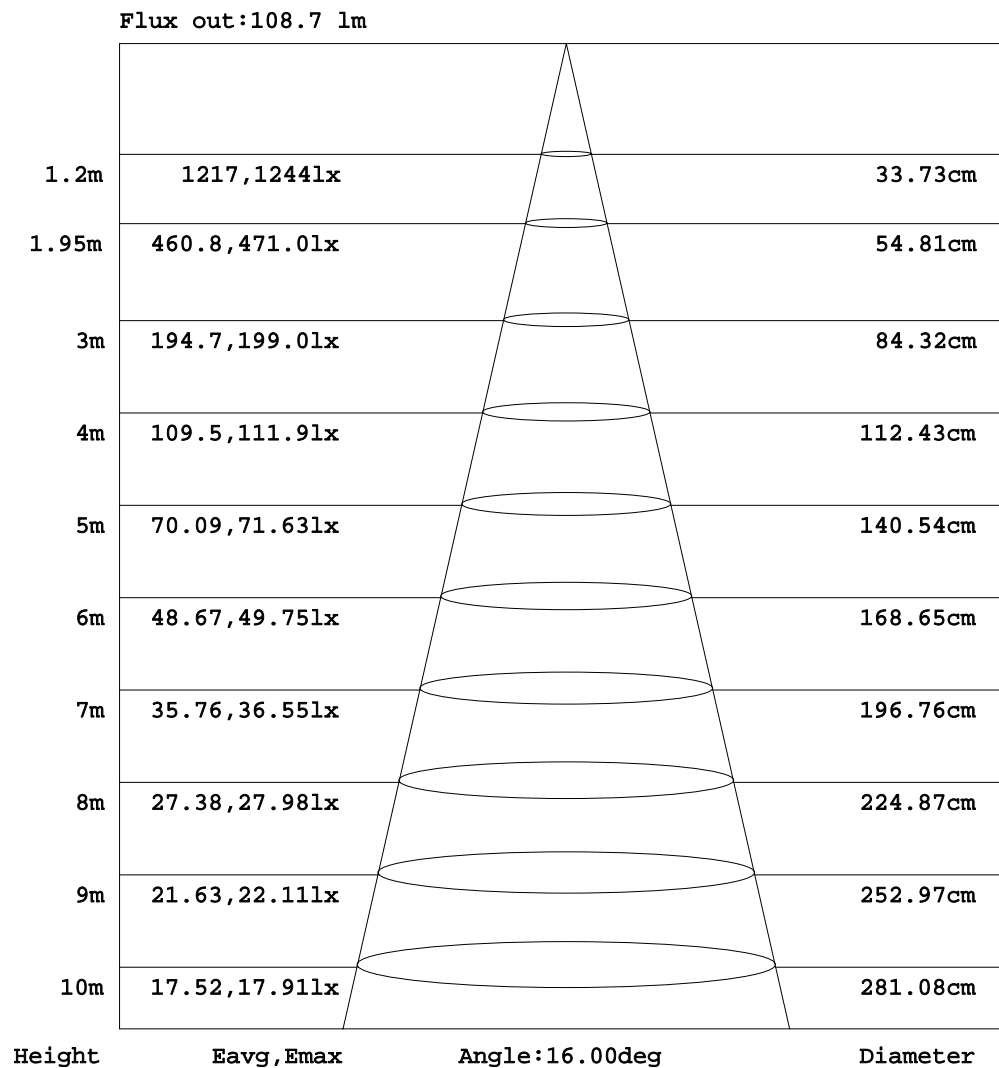


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2025-09-28

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 Figure

Test:U:229.67V I:0.3395A P:76.959W PF:0.9870 Freq:49.99Hz Lamp Flux:9621.27x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 960*42*38	SERIAL No.:
MFR.: NLD25-0020-01	SUR.:0.96*0.035	Shielding Angle:



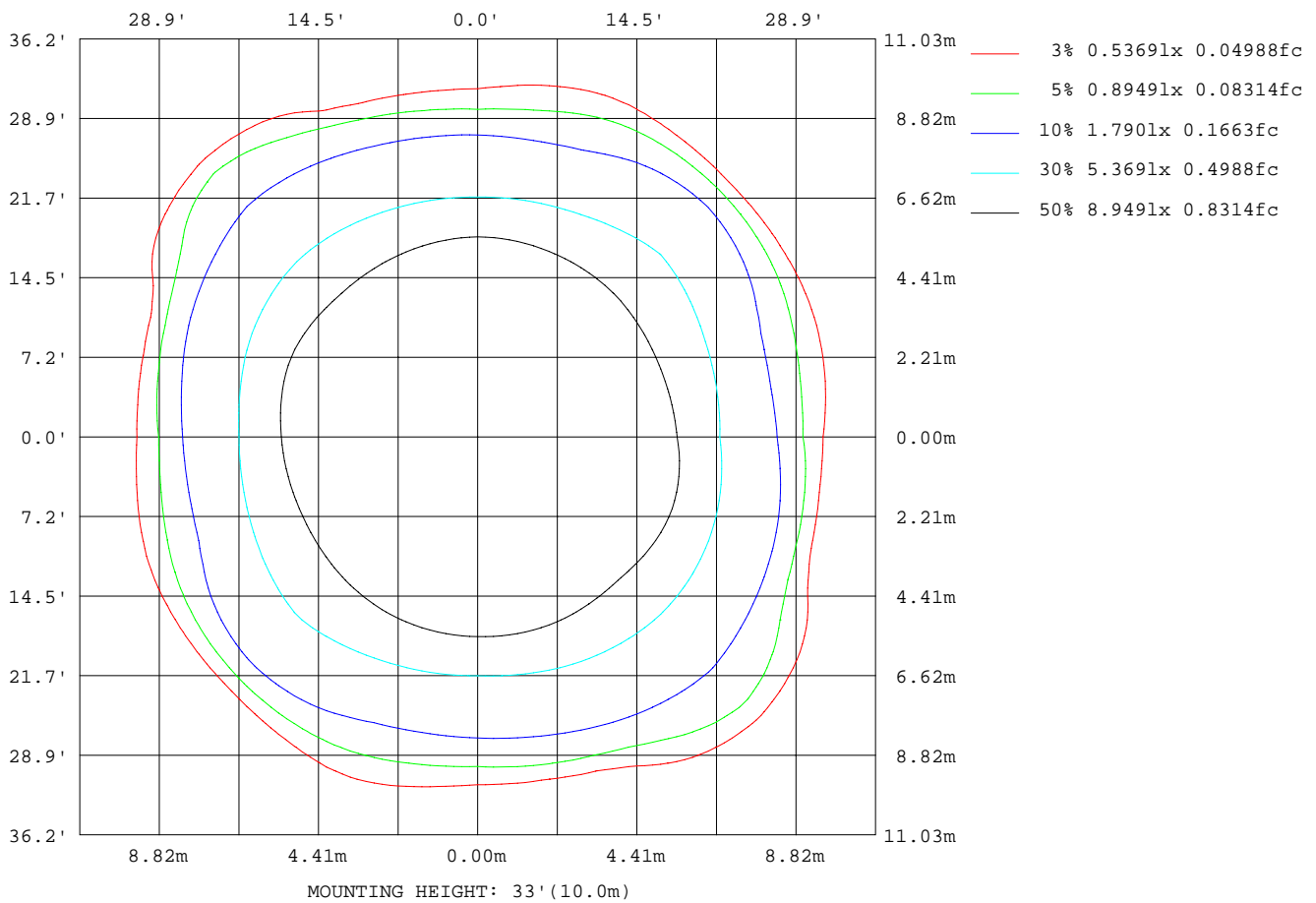
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2025-09-28

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:229.67V I:0.3395A P:76.959W PF:0.9870 Freq:49.99Hz Lamp Flux:9621.27x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 960*42*38	SERIAL No.:
MFR.: NLD25-0020-01	SUR.:0.96*0.035	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2025-09-28

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:229.67V I:0.3395A P:76.959W PF:0.9870 Freq:49.99Hz Lamp Flux:9621.27x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 960*42*38	SERIAL No.:
MFR.: NLD25-0020-01	SUR.:0.96*0.035	Shielding Angle:

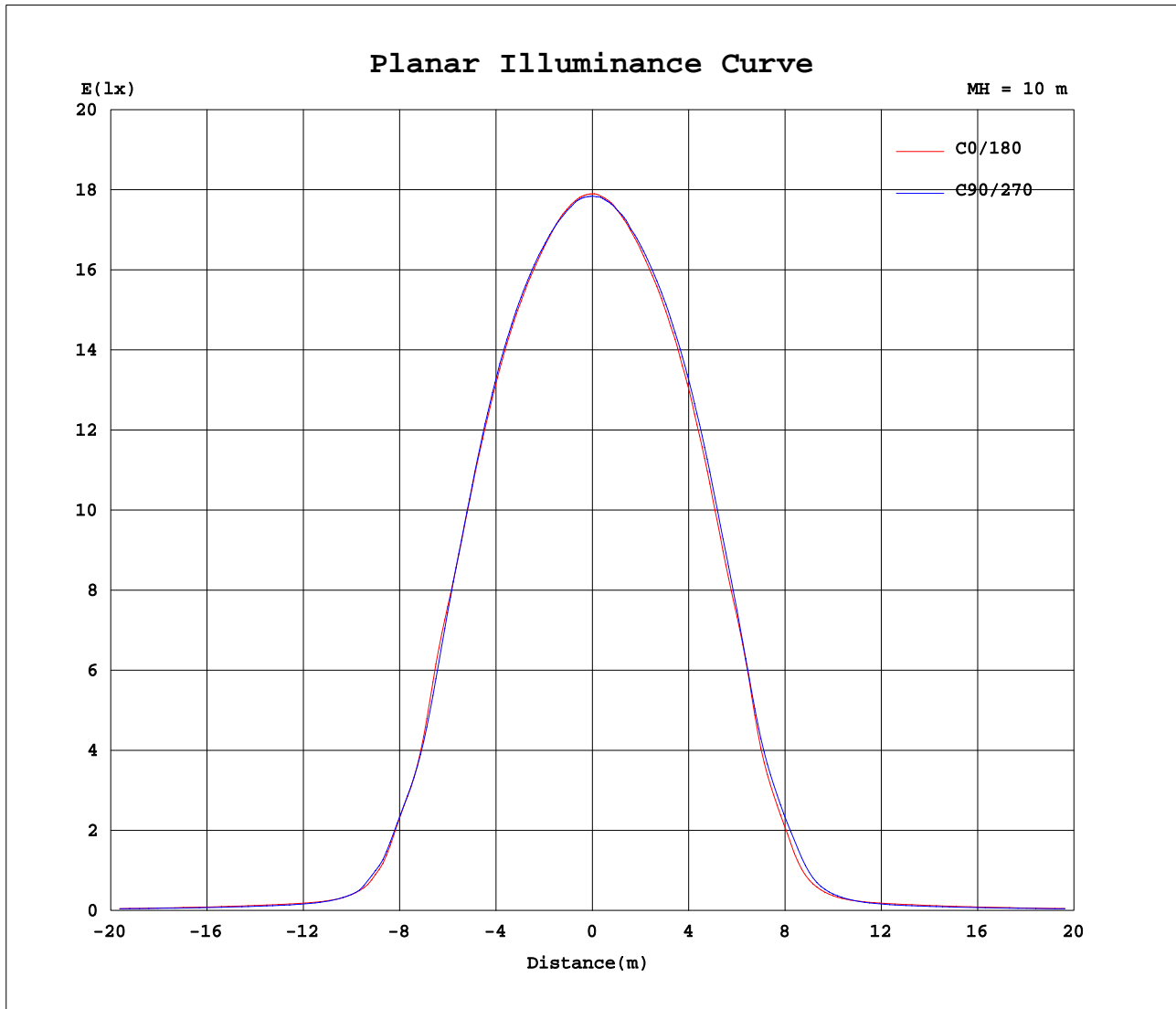
AvgL	cd/m2
L_0~180(65)av	3726
L_0~180(75)av	5601
L_0~180(85)av	9970
L_90~270(65)av	3433
L_90~270(75)av	3217
L_90~270(85)av	4403
L_45(65)av	4219
L_45(75)av	6411
L_45(85)av	11848

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-09-28

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: 2025-09-28

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:229.67V I:0.3395A P:76.959W PF:0.9870 Freq:49.99Hz Lamp Flux:9621.27x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 960*42*38						SERIAL No.:		
MFR.: NLD25-0020-01									SUR.:0.96*0.035						Shielding Angle:		

Table--1

UNIT: cd

C(DEC) γ (DEC)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1790	1790	1790	1790	1790	1789	1789	1789	1788	1788	1787	1786	1786	1785	1785	1784	1784	1784	1784
5	1784	1784	1785	1785	1786	1786	1787	1787	1787	1787	1787	1786	1785	1783	1782	1781	1780	1779	1778
10	1764	1766	1767	1769	1771	1773	1775	1777	1778	1779	1779	1778	1778	1776	1775	1773	1772	1770	1767
15	1739	1742	1744	1747	1748	1750	1750	1751	1751	1751	1751	1751	1751	1751	1751	1751	1751	1750	1747
20	1683	1690	1695	1697	1698	1694	1687	1679	1672	1667	1669	1674	1679	1685	1691	1695	1698	1698	1696
25	1544	1562	1574	1581	1583	1577	1563	1547	1531	1518	1521	1528	1536	1546	1552	1556	1558	1558	1555
30	1267	1305	1335	1355	1367	1366	1352	1334	1314	1295	1291	1290	1290	1290	1288	1282	1276	1269	1264
35	793	848	896	935	966	988	1002	1009	1008	1001	984	962	936	907	876	843	813	787	769
40	362	403	441	475	506	536	565	588	604	610	592	565	534	499	467	440	415	395	381
45	113	102	101	108	124	160	212	263	307	338	307	263	212	160	126	114	109	109	114
50	71.4	72.6	73.9	75.4	76.9	79.1	81.9	84.2	85.9	86.4	83.1	78.8	74.0	69.4	66.0	64.3	63.3	63.0	63.4
55	64.2	65.6	66.8	67.9	68.9	69.9	70.9	71.7	72.0	71.7	69.8	67.4	64.8	62.0	59.6	57.5	55.8	54.5	53.8
60	58.1	60.0	61.7	63.2	64.5	65.8	67.0	67.8	68.2	67.9	65.9	63.5	60.7	57.8	55.3	53.3	51.6	50.3	49.6
65	52.4	55.0	57.3	59.2	60.7	61.9	62.9	63.4	63.4	62.8	60.7	58.2	55.5	53.0	51.2	50.2	49.6	49.3	49.1
70	48.7	53.6	57.5	60.5	62.6	63.5	63.3	62.4	60.9	59.0	56.9	54.6	52.2	49.8	47.5	45.6	43.9	42.6	41.8
75	46.3	51.7	56.0	59.3	61.6	62.7	62.5	61.6	59.9	57.7	55.2	52.3	49.1	45.7	41.7	37.4	33.4	30.1	27.9
80	42.4	42.8	43.3	44.1	45.1	47.0	49.5	51.7	53.3	53.7	50.4	46.0	40.9	35.6	30.8	26.7	23.2	20.5	18.9
85	26.3	28.3	30.1	31.5	32.8	33.9	34.9	35.5	35.6	35.3	33.7	31.7	29.3	26.6	23.5	20.1	17.0	14.5	12.8
90	18.8	20.7	22.3	23.5	24.3	24.6	24.6	24.2	23.5	22.5	21.2	19.7	18.0	16.0	13.5	10.5	7.74	5.45	3.87
95	99.7	93.3	89.9	89.7	92.5	100	112	126	140	153	165	174	179	179	164	138	109	82.1	60.5
100	362	389	419	451	486	535	595	647	683	698	630	541	442	340	260	207	166	139	125
105	943	996	1040	1076	1103	1130	1156	1165	1151	1109	976	821	658	499	378	302	248	215	203
110	1709	1717	1710	1688	1651	1600	1534	1453	1358	1247	1095	937	779	629	509	422	357	315	297
115	1865	1846	1818	1783	1740	1694	1642	1579	1502	1407	1256	1093	929	772	643	549	477	430	408
120	1904	1884	1860	1830	1797	1766	1735	1693	1636	1558	1409	1246	1078	916	783	686	611	562	540
125	1955	1944	1927	1906	1881	1858	1837	1804	1754	1684	1540	1380	1216	1056	924	828	754	706	685
130	2036	2032	2021	2004	1981	1959	1935	1898	1847	1776	1639	1489	1335	1185	1062	972	903	859	840
135	2123	2121	2112	2096	2071	2043	2009	1964	1906	1832	1707	1572	1434	1302	1194	1114	1055	1017	1001
140	2190	2187	2175	2155	2127	2092	2050	1998	1936	1862	1751	1635	1517	1406	1316	1250	1201	1171	1160
145	2214	2208	2194	2172	2142	2103	2057	2002	1940	1869	1777	1682	1588	1500	1429	1377	1340	1317	1310
150	2190	2182	2168	2146	2116	2079	2033	1981	1923	1862	1790	1718	1649	1584	1532	1493	1465	1449	1444
155	2126	2116	2101	2081	2056	2023	1984	1941	1896	1848	1797	1747	1700	1656	1621	1595	1577	1566	1564
160	2040	2029	2015	1999	1979	1956	1929	1901	1871	1840	1808	1776	1746	1719	1698	1682	1671	1665	1665
165	1954	1945	1935	1924	1912	1898	1883	1867	1851	1834	1817	1801	1785	1771	1760	1752	1747	1745	1746
170	1893	1885	1878	1872	1865	1858	1852	1846	1840	1834	1827	1820	1814	1809	1805	1803	1802	1802	1804
175	1861	1854	1849	1844	1840	1838	1837	1836	1836	1836	1835	1835	1834	1834	1834	1834	1835	1836	1837
180	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-09-28

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:229.67V I:0.3395A P:76.959W PF:0.9870 Freq:49.99Hz Lamp Flux:9621.27x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 960*42*38					SERIAL No.:				
MFR.: NLD25-0020-01									SUR.:0.96*0.035					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	1784	1783	1782	1782	1783	1784	1785	1787	1787	1787	1786	1785	1784	1784	1785	1787	1788	1790	1790
5	1777	1776	1775	1774	1773	1773	1773	1773	1773	1773	1772	1773	1773	1774	1776	1778	1781	1782	1783
10	1764	1761	1758	1755	1752	1750	1748	1746	1745	1743	1742	1741	1742	1743	1747	1750	1754	1758	1761
15	1741	1733	1725	1717	1709	1701	1694	1689	1685	1684	1684	1687	1690	1697	1705	1713	1722	1729	1732
20	1685	1672	1658	1643	1628	1615	1604	1594	1587	1584	1584	1587	1593	1604	1620	1636	1652	1666	1671
25	1546	1535	1522	1508	1493	1477	1462	1449	1438	1434	1433	1436	1441	1452	1468	1484	1501	1517	1529
30	1262	1260	1259	1258	1256	1253	1250	1245	1239	1226	1213	1201	1191	1188	1193	1202	1214	1228	1249
35	771	782	800	823	857	898	938	970	992	973	943	905	863	824	791	763	744	736	762
40	377	379	389	407	444	498	551	594	622	582	527	464	400	354	329	315	310	317	343
45	125	138	149	159	158	146	133	119	107	110	115	121	127	127	122	116	110	105	99.3
50	65.4	67.7	70.1	72.2	72.7	71.7	70.2	68.6	67.2	67.2	67.5	68.0	68.7	69.2	69.7	70.2	70.8	71.4	72.3
55	54.6	55.8	57.3	58.9	60.2	61.0	61.8	62.4	62.9	63.2	63.4	63.5	63.6	63.7	63.8	64.0	64.2	64.6	65.6
60	50.1	51.1	52.5	54.0	55.6	57.2	58.7	60.0	61.1	61.3	61.3	61.1	60.7	60.2	59.6	59.0	58.7	58.7	59.8
65	49.0	49.0	49.3	49.8	51.0	52.7	54.5	56.2	57.7	58.2	58.3	58.1	57.6	56.8	55.6	54.6	53.8	53.4	55.0
70	42.1	42.8	43.9	45.4	47.0	48.8	50.7	52.6	54.3	56.1	57.5	58.6	59.2	58.4	56.3	54.1	52.3	51.2	54.0
75	28.7	30.6	33.3	36.6	40.3	43.9	47.6	50.9	53.8	55.2	55.9	56.1	56.0	55.1	53.7	52.4	51.5	51.1	53.6
80	19.9	22.0	24.8	28.2	31.8	35.3	38.8	42.1	44.9	46.2	46.9	47.3	47.4	47.3	47.2	47.0	46.9	46.8	47.2
85	13.7	15.5	18.0	20.9	23.9	26.8	29.6	32.2	34.6	36.2	37.5	38.2	38.5	37.9	36.3	34.7	33.2	32.1	33.1
90	4.64	6.20	8.40	11.1	14.0	17.0	20.0	22.8	25.3	26.9	28.1	28.9	29.2	28.8	27.8	26.7	25.6	24.8	25.5
95	68.9	82.9	99.3	115	118	109	96.4	83.0	70.4	68.0	67.5	68.4	70.0	70.6	70.0	69.3	68.7	68.2	68.6
100	139	164	196	233	271	307	337	358	367	332	287	237	187	153	137	127	123	124	121
105	207	232	278	345	461	619	776	916	1023	993	928	839	741	662	612	571	543	528	535
110	308	342	400	481	600	751	911	1068	1213	1303	1372	1420	1446	1438	1399	1351	1304	1265	1295
115	424	466	533	623	747	900	1061	1223	1376	1481	1570	1643	1703	1750	1786	1809	1822	1824	1819
120	559	605	677	772	901	1060	1225	1388	1537	1623	1690	1742	1782	1823	1865	1899	1921	1932	1919
125	705	753	826	922	1053	1213	1378	1538	1683	1755	1807	1843	1867	1894	1925	1949	1966	1974	1962
130	861	907	978	1070	1197	1351	1510	1663	1801	1869	1916	1946	1965	1984	2006	2022	2032	2035	2028
135	1020	1063	1127	1211	1326	1467	1614	1756	1885	1954	2005	2040	2064	2084	2102	2114	2119	2119	2113
140	1176	1212	1267	1339	1439	1563	1692	1819	1936	2008	2064	2108	2141	2166	2185	2197	2201	2200	2196
145	1323	1353	1397	1457	1539	1640	1747	1855	1957	2028	2090	2141	2182	2214	2237	2252	2259	2259	2254
150	1455	1479	1514	1560	1624	1703	1787	1872	1955	2022	2082	2136	2181	2216	2241	2259	2268	2269	2264
155	1573	1590	1615	1649	1695	1752	1813	1877	1940	1996	2049	2097	2139	2174	2199	2217	2227	2230	2224
160	1672	1684	1701	1724	1755	1791	1832	1874	1917	1959	1999	2036	2070	2098	2120	2135	2145	2148	2142
165	1750	1758	1768	1781	1799	1821	1845	1870	1896	1921	1946	1969	1990	2008	2023	2033	2040	2042	2035
170	1807	1811	1816	1823	1832	1843	1854	1866	1878	1890	1901	1912	1922	1930	1938	1944	1948	1949	1944
175	1839	1841	1843	1846	1849	1852	1856	1859	1863	1867	1870	1874	1877	1880	1883	1885	1885	1885	1881
180	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2025-09-28

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:229.67V I:0.3395A P:76.959W PF:0.9870 Freq:49.99Hz Lamp Flux:9621.27x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 960*42*38					SERIAL No.:				
MFR.: NLD25-0020-01									SUR.:0.96*0.035					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	1790	1790	1790	1789	1789	1789	1788	1788	1787	1786	1786	1785	1785	1785	1784	1784	1784	1784	1783
5	1783	1783	1783	1783	1784	1784	1785	1785	1785	1784	1783	1782	1782	1781	1781	1781	1780	1780	1779
10	1763	1765	1766	1768	1770	1772	1773	1774	1774	1773	1772	1771	1770	1770	1769	1768	1767	1765	1763
15	1733	1734	1734	1734	1735	1736	1737	1738	1738	1739	1740	1740	1742	1744	1745	1746	1745	1739	1733
20	1674	1674	1673	1669	1663	1657	1651	1647	1649	1653	1658	1664	1671	1679	1685	1690	1691	1683	1671
25	1537	1543	1545	1540	1527	1513	1499	1488	1489	1494	1501	1510	1520	1532	1542	1550	1554	1547	1536
30	1271	1291	1307	1310	1302	1290	1275	1261	1256	1252	1250	1250	1251	1255	1260	1264	1268	1267	1266
35	798	839	881	915	938	955	965	967	950	927	899	870	844	822	803	789	781	785	795
40	377	415	456	494	527	556	576	587	568	541	509	475	446	426	410	398	390	385	387
45	97.7	101	111	143	194	245	288	319	289	246	197	147	116	107	105	109	117	128	140
50	73.2	74.3	75.5	77.3	79.6	81.5	82.9	83.3	80.2	76.2	71.9	67.7	64.8	63.4	62.7	62.7	63.3	65.5	68.0
55	66.6	67.6	68.7	69.6	70.5	71.0	71.1	70.7	68.8	66.4	63.7	61.0	58.7	56.7	55.2	54.0	53.4	54.1	55.3
60	61.3	62.8	64.4	65.8	66.8	67.4	67.6	67.2	65.1	62.5	59.7	56.8	54.3	52.4	50.8	49.7	49.1	49.6	50.6
65	56.9	59.0	61.0	62.4	63.0	63.2	62.9	62.1	59.9	57.3	54.6	52.0	50.2	49.3	48.7	48.4	48.4	48.2	48.3
70	57.5	61.1	64.3	65.6	64.8	63.1	61.0	58.4	56.1	53.7	51.3	49.0	47.0	45.3	43.9	42.8	42.2	42.3	42.8
75	56.5	59.5	62.3	63.6	63.3	62.3	60.6	58.3	55.4	52.1	48.5	44.8	40.8	36.7	33.0	30.1	28.1	28.9	30.8
80	47.7	48.4	49.2	50.7	52.7	54.4	55.3	55.2	51.2	46.3	40.8	35.2	30.2	26.2	22.8	20.4	18.9	20.0	21.9
85	34.5	36.2	37.9	39.0	39.6	39.7	39.4	38.5	36.4	33.8	30.9	27.7	24.2	20.6	17.4	14.7	13.0	14.3	16.4
90	26.6	27.6	28.6	28.9	28.5	27.8	26.7	25.3	23.7	21.9	19.8	17.6	14.9	11.9	9.06	6.76	5.23	6.40	8.31
95	69.2	69.8	70.4	69.6	67.7	66.6	66.9	69.4	82.8	97.1	110	121	118	103	86.1	71.1	60.8	76.4	96.9
100	123	130	143	170	208	249	286	318	327	327	319	302	272	230	188	151	124	127	145
105	557	590	636	710	807	896	964	999	908	785	645	501	388	314	257	220	201	202	224
110	1334	1375	1410	1420	1400	1362	1304	1225	1092	946	796	650	529	439	369	320	295	301	331
115	1803	1777	1739	1690	1629	1555	1468	1367	1229	1084	937	796	674	574	495	437	405	414	450
120	1893	1858	1813	1768	1722	1667	1598	1514	1381	1237	1090	947	820	716	631	569	534	543	581
125	1942	1914	1880	1849	1820	1781	1729	1658	1529	1386	1237	1091	963	859	774	712	676	685	722
130	2014	1994	1968	1945	1924	1891	1845	1780	1654	1514	1368	1225	1100	1001	920	861	828	836	870
135	2103	2087	2065	2042	2019	1984	1936	1871	1750	1617	1479	1344	1229	1138	1065	1013	982	989	1018
140	2186	2170	2147	2121	2090	2049	1997	1929	1818	1696	1572	1451	1349	1270	1207	1162	1136	1140	1165
145	2243	2224	2198	2166	2128	2080	2023	1955	1857	1752	1646	1544	1459	1392	1340	1303	1282	1285	1305
150	2252	2232	2205	2170	2127	2078	2021	1957	1875	1790	1706	1626	1559	1507	1466	1437	1421	1423	1438
155	2210	2190	2162	2128	2088	2043	1993	1940	1877	1814	1753	1695	1646	1608	1579	1557	1545	1546	1556
160	2128	2110	2086	2058	2026	1991	1954	1915	1872	1830	1790	1752	1719	1694	1674	1659	1650	1650	1656
165	2025	2011	1994	1975	1955	1934	1912	1889	1864	1839	1815	1793	1774	1759	1748	1739	1734	1734	1737
170	1936	1927	1916	1906	1896	1886	1876	1866	1855	1844	1834	1824	1816	1809	1804	1800	1798	1797	1798
175	1876	1870	1865	1861	1858	1856	1854	1852	1849	1846	1843	1841	1839	1838	1837	1836	1836	1836	1836
180	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-09-28

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:229.67V I:0.3395A P:76.959W PF:0.9870 Freq:49.99Hz Lamp Flux:9621.27x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 960*42*38						SERIAL No.:		
MFR.: NLD25-0020-01									SUR.:0.96*0.035						Shielding Angle:		

Table--4

UNIT: cd

C(°)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
γ (°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1782	1782	1783	1784	1785	1787	1787	1787	1786	1785	1784	1784	1784	1786	1787				
5	1779	1778	1777	1776	1776	1775	1775	1774	1774	1775	1776	1778	1779	1781					
10	1760	1758	1756	1754	1752	1750	1749	1748	1748	1748	1749	1750	1753	1756	1760				
15	1725	1718	1712	1707	1704	1701	1699	1698	1698	1699	1701	1705	1711	1719	1728				
20	1658	1644	1632	1622	1614	1607	1603	1602	1603	1607	1614	1623	1634	1648	1664				
25	1523	1509	1497	1487	1478	1471	1466	1462	1461	1463	1467	1476	1488	1503	1522				
30	1264	1262	1263	1266	1269	1271	1271	1259	1247	1235	1225	1221	1226	1235	1249				
35	812	835	871	918	964	1003	1031	1016	989	954	915	882	857	834	812				
40	397	415	460	529	595	652	690	646	583	511	439	388	363	351	350				
45	152	162	164	158	149	140	132	133	136	139	142	141	137	131	123				
50	70.5	72.7	73.2	72.0	70.5	68.8	67.3	67.6	68.3	69.2	70.1	70.8	71.2	71.4	71.5				
55	56.8	58.4	59.7	60.6	61.4	62.0	62.5	62.9	63.1	63.2	63.4	63.5	63.7	63.8	64.0				
60	51.9	53.5	55.1	56.7	58.2	59.5	60.6	60.8	60.8	60.6	60.2	59.8	59.5	59.1	58.6				
65	48.6	49.2	50.3	52.0	53.8	55.6	57.0	57.5	57.6	57.3	56.9	56.3	55.6	54.7	53.6				
70	43.7	44.8	46.3	48.0	49.8	51.6	53.3	54.8	56.0	56.9	57.2	56.8	55.7	54.0	51.6				
75	33.4	36.6	40.1	43.8	47.4	50.6	53.2	53.9	54.0	53.5	52.6	51.7	50.7	49.4	48.0				
80	24.6	27.8	30.9	34.0	36.9	39.6	41.8	42.5	42.8	42.7	42.5	42.3	42.4	42.4	42.4				
85	19.1	22.1	24.6	26.4	28.0	29.3	30.4	31.3	31.8	32.1	32.0	31.6	30.8	29.6	28.1				
90	10.7	13.3	15.3	16.6	17.7	18.7	19.5	20.4	21.0	21.5	21.8	21.8	21.4	20.8	19.9				
95	120	142	156	160	160	157	151	139	127	114	102	94.5	91.7	91.6	94.3				
100	178	226	307	416	524	622	699	687	650	598	537	487	452	419	389				
105	269	336	451	606	768	925	1065	1126	1161	1174	1166	1148	1119	1075	1017				
110	386	464	580	728	887	1049	1205	1322	1425	1513	1586	1643	1683	1708	1716				
115	511	598	721	877	1042	1207	1363	1463	1547	1617	1675	1727	1775	1813	1844				
120	646	736	863	1023	1191	1356	1509	1595	1662	1714	1754	1792	1829	1860	1885				
125	786	875	1001	1158	1323	1485	1634	1714	1775	1820	1852	1882	1910	1932	1947				
130	930	1012	1130	1277	1432	1584	1726	1808	1873	1922	1958	1988	2014	2030	2038				
135	1071	1144	1249	1381	1520	1659	1789	1874	1944	1999	2043	2078	2105	2121	2127				
140	1209	1271	1359	1470	1587	1707	1821	1906	1980	2043	2095	2136	2166	2185	2193				
145	1340	1391	1461	1549	1644	1741	1837	1915	1986	2050	2104	2148	2179	2201	2212				
150	1465	1503	1555	1619	1689	1763	1837	1905	1969	2027	2079	2121	2151	2173	2186				
155	1575	1601	1637	1681	1730	1781	1834	1886	1936	1983	2025	2060	2086	2106	2119				
160	1667	1683	1706	1734	1765	1798	1832	1866	1900	1932	1962	1986	2005	2021	2033				
165	1744	1753	1765	1780	1797	1815	1834	1853	1872	1890	1907	1922	1933	1942	1949				
170	1800	1804	1809	1816	1823	1831	1840	1848	1855	1863	1869	1876	1881	1885	1889				
175	1837	1838	1839	1841	1843	1845	1847	1849	1850	1852	1854	1856	1857	1858	1860				
180	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2025-09-28

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: