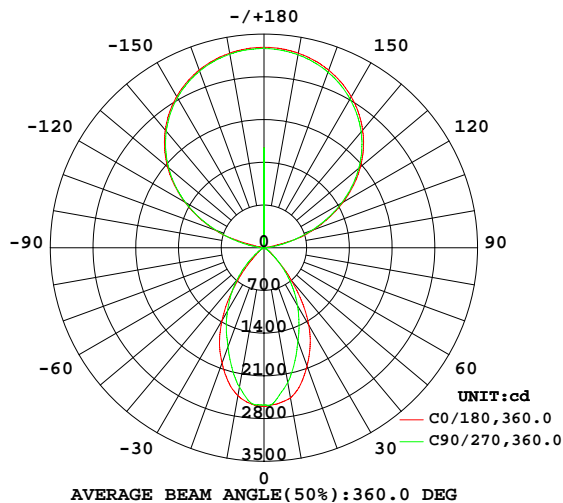


LUMINAIRE PHOTOMETRIC TEST REPORT

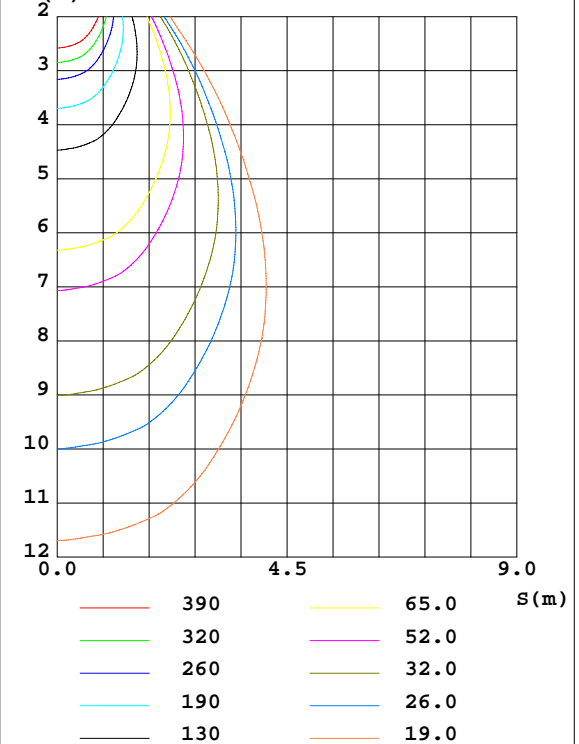
Test:U:229.64V I:0.3523A P:79.397W PF:0.9813 Freq:49.99Hz Lamp Flux:11788.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1045*41*33	SERIAL No.:
MFR.: NLD23-0014-01	SUR.:0.795*.034	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 148.48 lm/W			
MODEL		Imax(cd)	3284	S/MH(C0/180)	0.93
NOMINAL POWER(W)	80	LOR(%)	100.0	S/MH(C90/270)	0.81
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	11789	η UP,DN(C0-180)	39.5,10.1
NOMINAL FLUX(lm)	11788.6	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	39.7,10.7
LAMPS INSIDE	1	η up(%)	79.2	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230.0	η down(%)	20.8	CIBSE SHR MAX	0.85

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:2023-12-24

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:

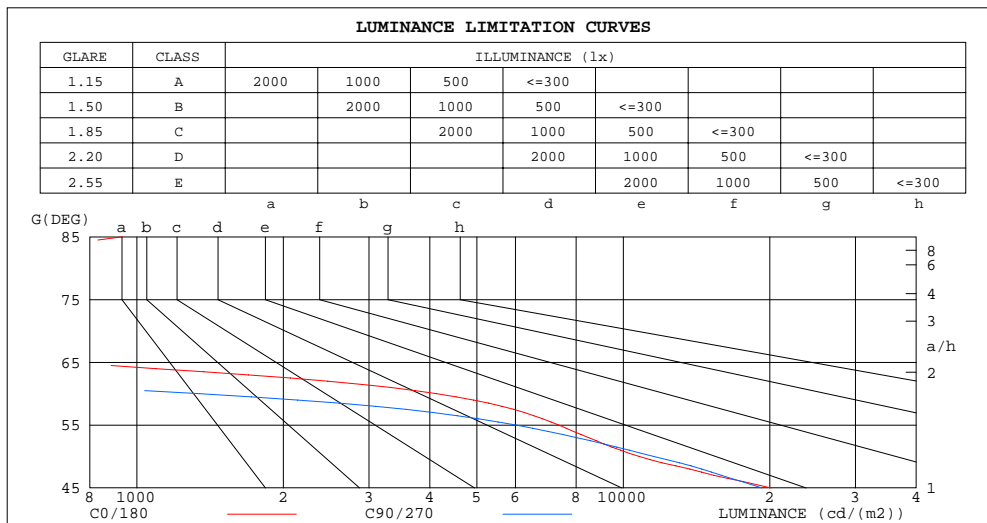
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	2499	2372	2242	2291	2462	2419	2318	2395	0- 10	236.6	236.6	2.01,2.01
20	2063	1741	1629	1641	2008	1761	1726	1785	10- 20	585.9	822.5	6.98,6.98
30	1469	1093	1101	1029	1377	1098	1198	1165	20- 30	679.2	1502	12.7,12.7
40	699.6	553.8	597.3	514.8	616.4	559.8	692.7	629.1	30- 40	549.7	2051	17.4,17.4
50	187.0	195.8	200.3	178.7	161.8	199.4	252.5	230.5	40- 50	288.5	2340	19.8,19.8
60	55.76	42.71	18.17	35.22	39.55	44.19	35.26	54.17	50- 60	96.85	2437	20.7,20.7
70	1.495	3.233	0.7222	1.910	0.7432	2.936	0.5668	4.262	60- 70	12.48	2449	20.8,20.8
80	1.751	1.065	0.4383	0.6529	0.7906	0.5321	0.4210	1.081	70- 80	1.033	2450	20.8,20.8
90	1.924	0.8076	0.1804	1.555	1.117	7.415	6.908	0.9536	80- 90	1.027	2451	20.8,20.8
100	66.64	257.2	238.0	174.6	59.63	181.8	233.8	208.6	90-100	59.07	2510	21.3,21.3
110	862.3	838.6	826.4	836.4	852.7	829.9	829.8	836.2	100-110	530.6	3041	25.8,25.8
120	1496	1481	1469	1480	1497	1473	1484	1484	110-120	1152	4193	35.6,35.6
130	2063	2036	2027	2043	2063	2039	2040	2048	120-130	1585	5778	49,49
140	2514	2485	2477	2495	2516	2497	2492	2507	130-140	1760	7538	63.9,63.9
150	2859	2824	2818	2838	2861	2840	2839	2853	140-150	1677	9215	78.2,78.2
160	3098	3065	3063	3080	3100	3077	3082	3092	150-160	1370	10586	89.8,89.8
170	3238	3209	3212	3223	3239	3216	3222	3231	160-170	893.2	11479	97.4,97.4
180	3284	3284	3284	3284	3284	3284	3284	3284	170-180	309.7	11789	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:2023-12-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ 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:0.3523A P:79.397W PF:0.9813 Freq:49.99Hz Lamp Flux:11788.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1045*41*33	SERIAL No.:
MFR.: NLD23-0014-01	SUR.:0.795*.034	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	934	157
80	373	93
75	216	80
70	162	78
65	714	158
60	4131	1346
55	7371	6021
50	10776	11542
45	20104	19261

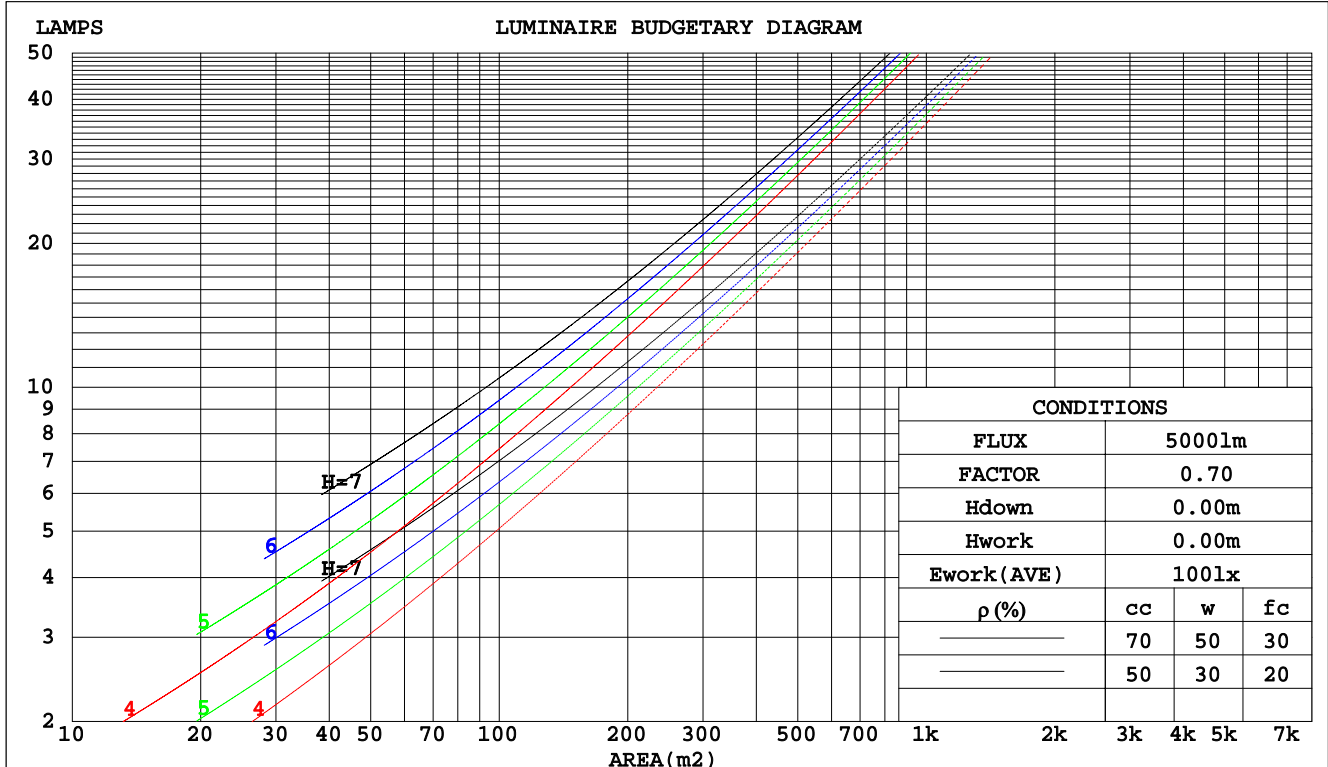
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-12-24

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:0.3523A P:79.397W PF:0.9813 Freq:49.99Hz Lamp Flux:11788.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1045*41*33	SERIAL No.:
MFR.: NLD23-0014-01	SUR.:0.795*.034	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	1.00	1.00	1.00	.89	.89	.89	.67	.67	.67	.47	.47	.47	.29	.29	.29	.21
1.0	.88	.85	.82	.78	.76	.73	.60	.58	.57	.43	.42	.41	.27	.27	.26	.19
2.0	.78	.73	.68	.70	.65	.62	.54	.51	.48	.39	.37	.36	.25	.24	.24	.18
3.0	.70	.63	.58	.62	.57	.53	.48	.45	.42	.35	.33	.31	.23	.22	.21	.16
4.0	.62	.55	.50	.56	.50	.45	.43	.40	.36	.32	.30	.28	.21	.20	.19	.15
5.0	.56	.49	.43	.50	.44	.40	.39	.35	.32	.29	.27	.25	.20	.19	.18	.14
6.0	.50	.43	.38	.45	.39	.35	.36	.32	.28	.27	.24	.22	.18	.17	.16	.13
7.0	.46	.39	.34	.41	.35	.31	.33	.28	.25	.25	.22	.20	.17	.16	.15	.12
8.0	.42	.35	.30	.38	.32	.28	.30	.26	.23	.23	.20	.18	.16	.15	.14	.11
9.0	.38	.31	.27	.35	.29	.25	.28	.24	.21	.21	.19	.17	.15	.14	.13	.10
10.0	.35	.29	.24	.32	.26	.22	.26	.22	.19	.20	.17	.15	.14	.13	.12	.10



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-12-24

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:0.3523A P:79.397W PF:0.9813 Freq:49.99Hz Lamp Flux:11788.6x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 1045*41*33			SERIAL No.:		
MFR.: NLD23-0014-01			SUR.:0.795*.034			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	.243	.138	.044	.212	.121	.038	.155	.089	.028	.102	.059	.019	.053	.031	.010	
2.0	.225	.124	.038	.197	.109	.033	.145	.080	.025	.096	.054	.017	.051	.029	.009	
3.0	.209	.111	.033	.184	.098	.030	.135	.073	.022	.091	.050	.015	.049	.027	.008	
4.0	.195	.101	.030	.171	.090	.027	.127	.067	.020	.085	.046	.014	.047	.025	.008	
5.0	.182	.093	.027	.160	.082	.024	.119	.062	.018	.081	.043	.013	.045	.024	.007	
6.0	.170	.085	.024	.150	.076	.022	.112	.057	.017	.076	.040	.012	.043	.023	.007	
7.0	.160	.079	.022	.141	.070	.020	.106	.053	.015	.072	.037	.011	.041	.021	.006	
8.0	.150	.074	.021	.133	.065	.019	.100	.050	.014	.068	.035	.010	.039	.020	.006	
9.0	.142	.069	.019	.126	.061	.017	.094	.047	.013	.065	.033	.009	.037	.019	.005	
10.0	.134	.064	.018	.119	.057	.016	.090	.044	.012	.062	.031	.009	.036	.018	.005	

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	.794	.794	.794	.679	.679	.679	.463	.463	.463	.266	.266	.266	.085	.085	.085		
1.0	.784	.765	.748	.671	.657	.644	.459	.452	.445	.264	.261	.259	.085	.084	.084		
2.0	.776	.745	.719	.665	.641	.621	.455	.444	.433	.263	.258	.254	.084	.083	.083		
3.0	.769	.730	.699	.659	.630	.606	.452	.437	.425	.261	.255	.250	.084	.083	.082		
4.0	.762	.718	.685	.654	.621	.595	.450	.433	.419	.260	.253	.248	.084	.082	.081		
5.0	.756	.709	.675	.649	.614	.587	.447	.429	.415	.259	.252	.246	.083	.082	.081		
6.0	.750	.702	.668	.645	.608	.582	.445	.426	.412	.258	.250	.245	.083	.082	.081		
7.0	.745	.696	.663	.641	.604	.577	.443	.423	.409	.257	.249	.244	.083	.082	.081		
8.0	.740	.692	.659	.637	.600	.574	.441	.421	.407	.256	.248	.243	.083	.081	.080		
9.0	.735	.687	.655	.633	.597	.572	.439	.419	.406	.256	.248	.242	.083	.081	.080		
10.0	.731	.684	.653	.630	.594	.570	.437	.418	.405	.255	.247	.242	.083	.081	.080		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-12-24

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:0.3523A P:79.397W PF:0.9813 Freq:49.99Hz Lamp Flux:11788.6x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.: 1045*41*33			SERIAL No.:				
MFR.: NLD23-0014-01			SUR.:0.795*.034			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	12.1	12.8	13.2	13.9	15.4	11.6	12.3	12.7	13.3	14.8
3H	11.7	12.3	12.9	13.4	15.0	11.2	11.8	12.3	12.9	14.4
4H	11.5	12.1	12.7	13.2	14.8	11.0	11.6	12.2	12.7	14.2
6H	11.3	11.8	12.5	13.0	14.5	10.8	11.3	12.0	12.4	14.0
8H	11.2	11.7	12.4	12.9	14.4	10.7	11.2	11.9	12.3	13.9
12H	11.1	11.6	12.3	12.7	14.3	10.6	11.1	11.8	12.2	13.8
4H 2H	11.6	12.1	12.7	13.3	14.8	11.1	11.6	12.2	12.7	14.3
3H	11.2	11.6	12.4	12.8	14.4	10.7	11.1	11.8	12.3	13.9
4H	11.0	11.4	12.2	12.5	14.1	10.5	10.9	11.6	12.0	13.6
6H	10.8	11.1	12.0	12.3	13.9	10.3	10.6	11.4	11.8	13.4
8H	10.7	11.0	11.9	12.2	13.8	10.1	10.5	11.3	11.6	13.3
12H	10.6	10.9	11.8	12.0	13.7	10.0	10.3	11.2	11.5	13.1
8H 4H	10.7	11.0	11.9	12.1	13.8	10.1	10.5	11.3	11.6	13.3
6H	10.4	10.7	11.6	11.9	13.5	9.9	10.2	11.1	11.4	13.0
8H	10.3	10.6	11.5	11.8	13.4	9.8	10.0	11.0	11.2	12.9
12H	10.2	10.4	11.4	11.6	13.3	9.7	9.9	10.9	11.1	12.8
12H 4H	10.5	10.8	11.7	12.0	13.7	10.0	10.3	11.2	11.5	13.1
6H	10.3	10.6	11.5	11.7	13.4	9.8	10.0	11.0	11.2	12.9
8H	10.2	10.4	11.4	11.6	13.3	9.7	9.9	10.9	11.1	12.8
Variations with the observer position at spacings:										
S = 1.0H	+ 3.0 / - 6.2					+ 2.4 / - 7.9				
1.5H	+ 4.3 / - 4.5					+ 3.1 / - 5.0				
2.0H	+ 5.4 / - 8.5					+ 5.2 / -13.0				

CIE Pub.117, 11789 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 8.6$)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-12-24

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:0.3523A P:79.397W PF:0.9813 Freq:49.99Hz Lamp Flux:11788.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1045*41*33	SERIAL No.:
MFR.: NLD23-0014-01	SUR.:0.795*.034	Shielding Angle:

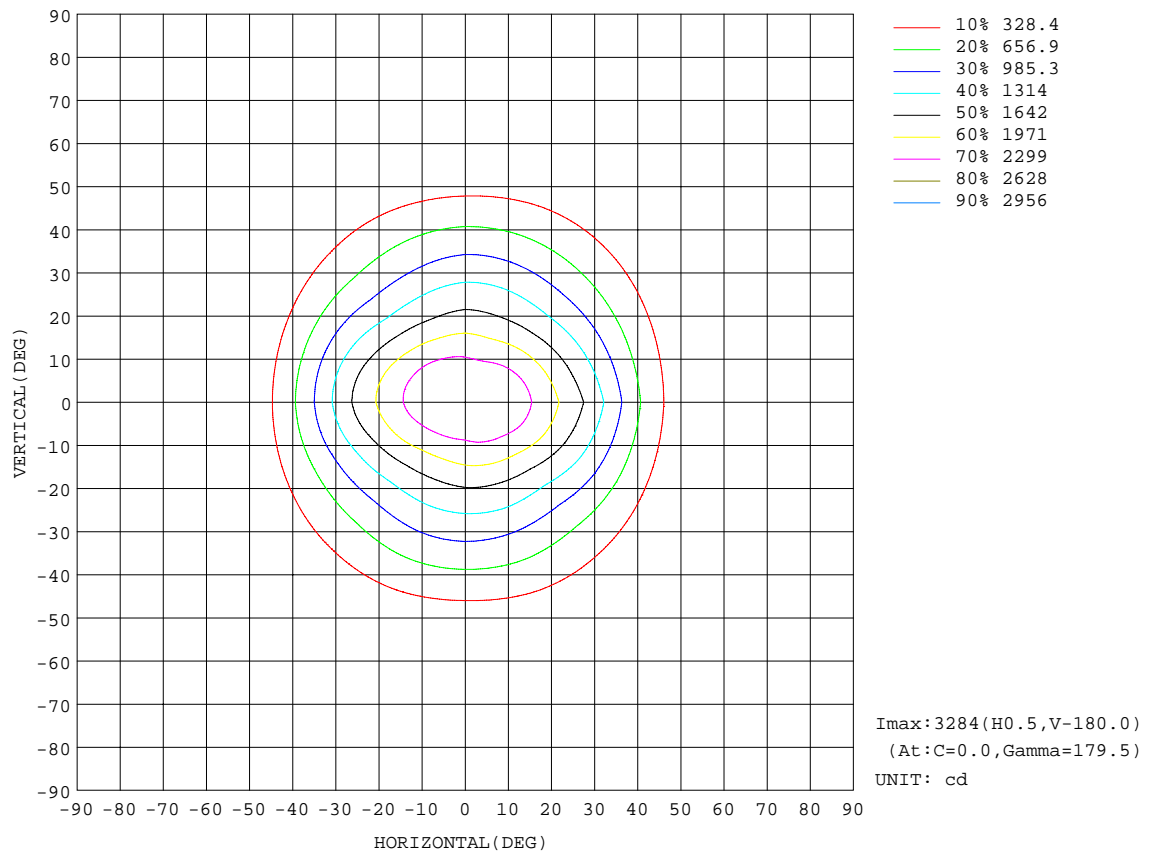
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	41	31	26	37	29	24	31	25	21	13
0.80	50	39	33	45	36	31	37	30	27	15
1.00	57	46	39	51	42	36	41	35	31	17
1.25	63	53	46	57	48	42	45	39	35	18
1.50	68	58	51	61	53	47	48	42	38	18
2.00	75	66	59	66	59	54	52	47	43	19
2.50	79	71	64	70	64	58	54	50	47	19
3.00	82	75	69	73	67	62	56	52	49	20
4.00	86	80	75	76	72	67	59	56	53	20
5.00	89	84	79	79	75	71	60	58	55	20
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:2023-12-24

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:0.3523A P:79.397W PF:0.9813 Freq:49.99Hz Lamp Flux:11788.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1045*41*33	SERIAL No.:
MFR.: NLD23-0014-01	SUR.:0.795*.034	Shielding Angle:

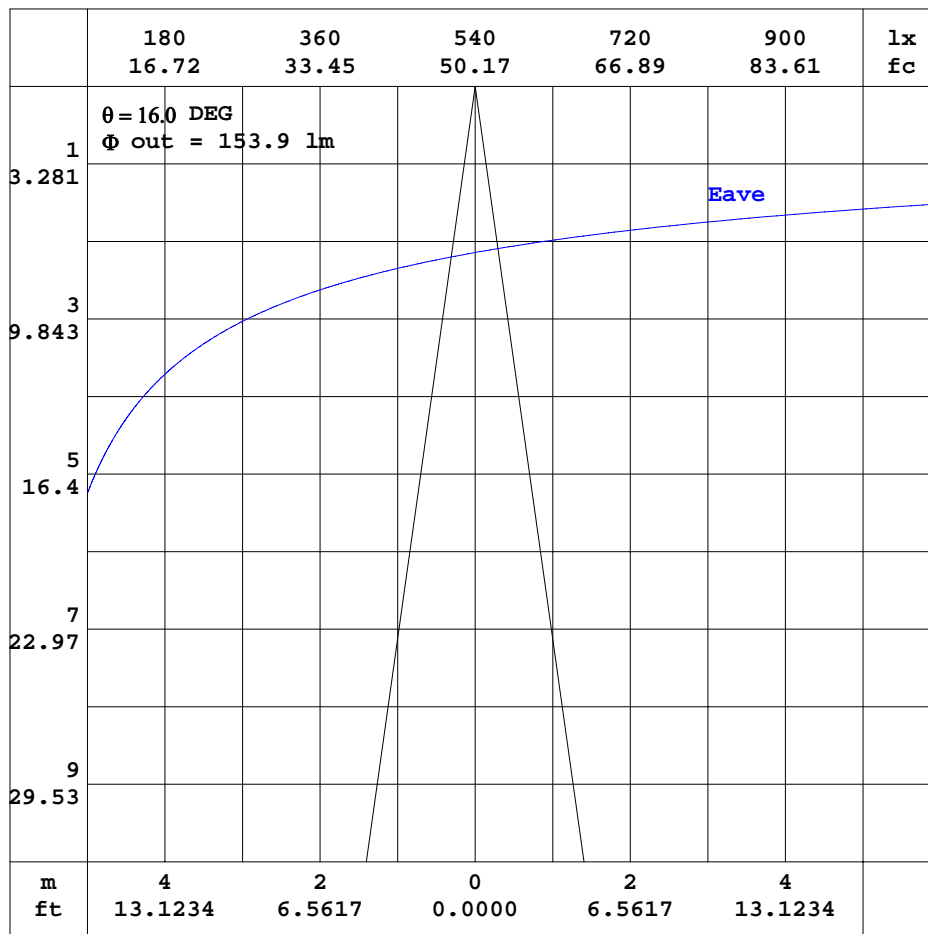


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-12-24

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:0.3523A P:79.397W PF:0.9813 Freq:49.99Hz Lamp Flux:11788.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1045*41*33	SERIAL No.:
MFR.: NLD23-0014-01	SUR.:0.795*.034	Shielding Angle:



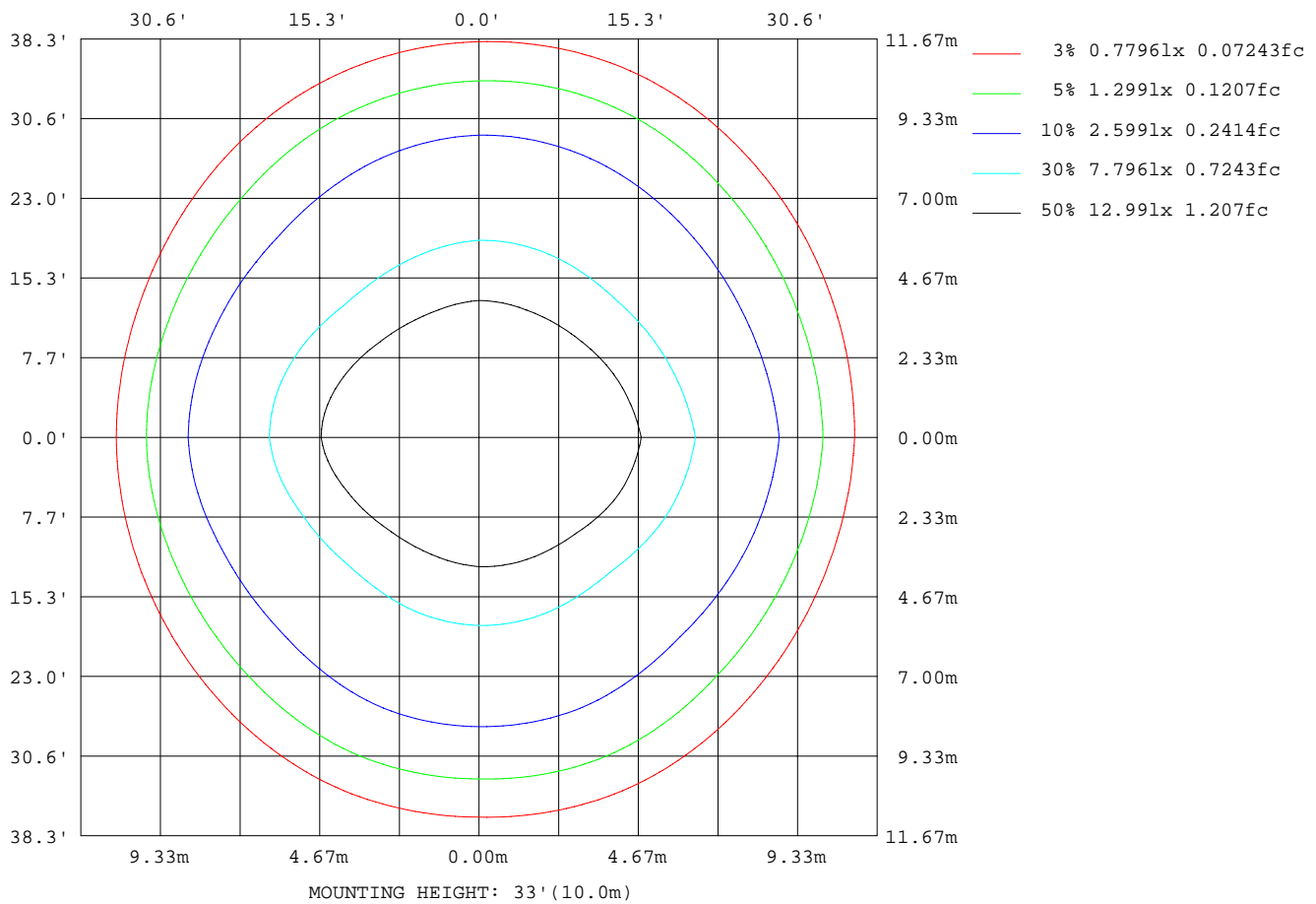
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-12-24

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:0.3523A P:79.397W PF:0.9813 Freq:49.99Hz Lamp Flux:11788.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1045*41*33	SERIAL No.:
MFR.: NLD23-0014-01	SUR.:0.795*.034	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-12-24

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:0.3523A P:79.397W PF:0.9813 Freq:49.99Hz Lamp Flux:11788.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1045*41*33	SERIAL No.:
MFR.: NLD23-0014-01	SUR.:0.795*.034	Shielding Angle:

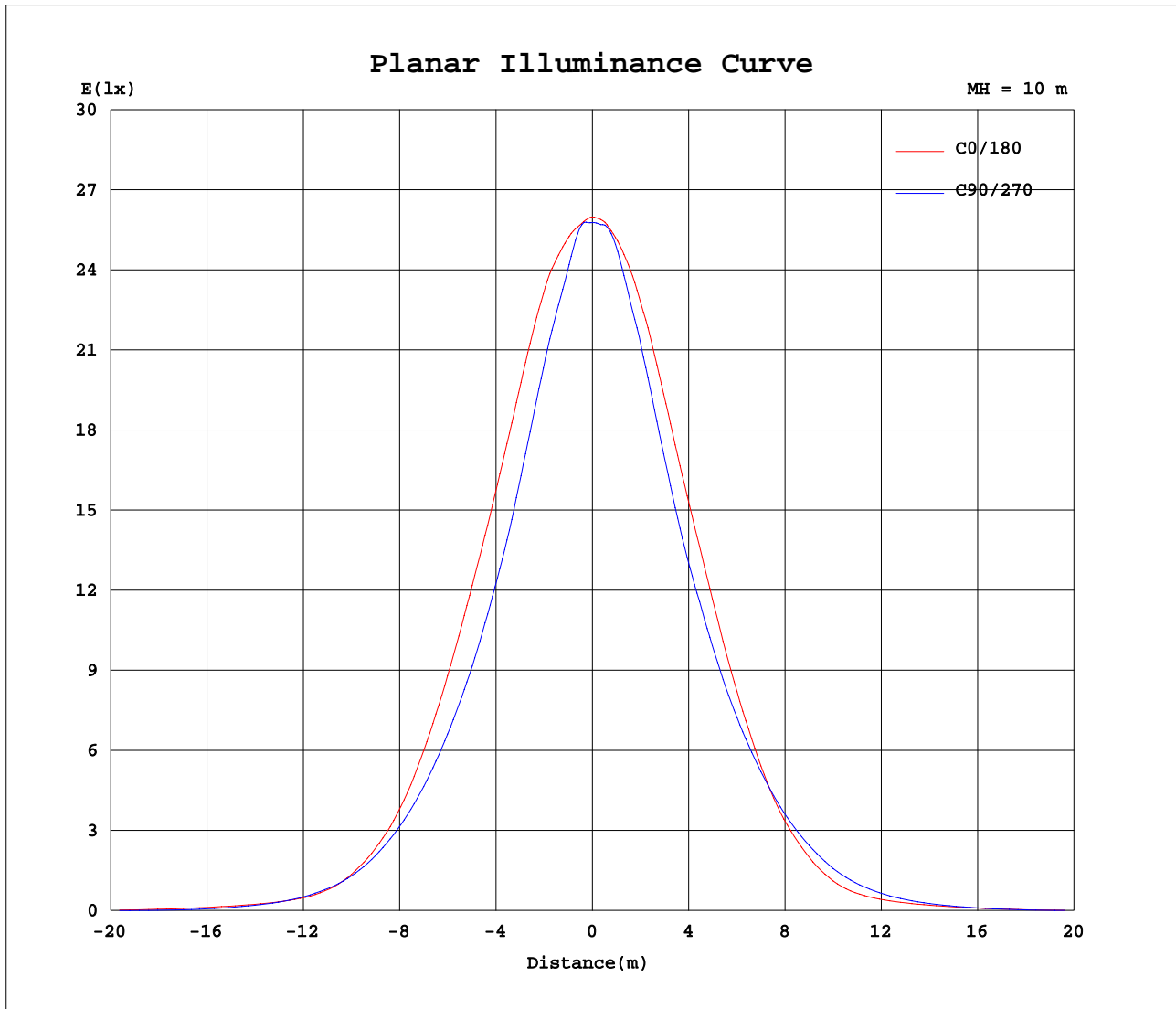
AvgL	cd/m2
L_0~180(65)av	528
L_0~180(75)av	160
L_0~180(85)av	673
L_90~270(65)av	212
L_90~270(75)av	71
L_90~270(85)av	168
L_45(65)av	1271
L_45(75)av	128
L_45(85)av	335

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-12-24

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: 2023-12-24

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:0.3523A P:79.397W PF:0.9813 Freq:49.99Hz Lamp Flux:11788.6x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1045*41*33						SERIAL No.:		
MFR.: NLD23-0014-01									SUR.:0.795*.034						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	2599	2597	2595	2594	2592	2591	2589	2588	2587	2586	2585	2584	2583	2582	2581	2580	2579	2578	2577
5	2566	2564	2561	2558	2554	2548	2543	2536	2530	2524	2519	2514	2509	2505	2499	2493	2488	2483	2479
10	2499	2494	2487	2478	2466	2451	2432	2413	2392	2372	2355	2338	2322	2307	2292	2277	2264	2252	2242
15	2319	2308	2294	2276	2254	2226	2192	2156	2121	2087	2063	2042	2024	2007	1992	1978	1966	1954	1944
20	2063	2044	2021	1994	1962	1923	1876	1829	1783	1741	1715	1694	1677	1664	1654	1646	1639	1634	1629
25	1788	1754	1718	1680	1639	1592	1540	1489	1442	1402	1386	1378	1375	1375	1374	1370	1366	1363	1358
30	1469	1428	1387	1346	1304	1259	1211	1166	1126	1093	1083	1081	1084	1091	1096	1099	1101	1102	1101
35	1091	1053	1016	982	949	915	882	852	828	809	806	809	817	826	834	839	843	845	846
40	700	675	652	632	614	597	581	568	559	554	560	568	579	590	597	599	600	599	597
45	384	372	362	354	348	344	342	341	343	346	352	360	367	374	377	376	374	371	368
50	187	185	183	183	183	184	187	189	192	196	199	202	205	207	207	206	205	202	200
55	114	112	110	108	107	105	104	103	102	101	99.8	98.6	97.4	96.4	95.5	94.9	94.3	93.8	93.2
60	55.8	55.9	55.6	55.0	53.9	52.4	50.5	48.2	45.6	42.7	39.2	35.6	31.9	28.4	25.4	22.9	20.8	19.2	18.2
65	8.15	9.33	10.4	11.3	12.2	13.1	13.9	14.6	14.8	14.5	12.6	10.4	7.94	5.54	3.84	2.90	2.27	1.92	1.80
70	1.50	1.38	1.35	1.39	1.50	1.80	2.24	2.67	3.02	3.23	2.83	2.29	1.70	1.11	0.76	0.66	0.64	0.67	0.72
75	1.51	1.61	1.68	1.71	1.71	1.66	1.56	1.44	1.30	1.16	1.04	0.93	0.82	0.73	0.66	0.62	0.59	0.57	0.56
80	1.75	1.88	1.96	1.99	1.96	1.86	1.69	1.49	1.28	1.07	0.91	0.78	0.67	0.57	0.51	0.47	0.45	0.44	0.44
85	2.20	2.25	2.25	2.21	2.12	1.97	1.75	1.51	1.27	1.03	0.84	0.68	0.54	0.43	0.37	0.34	0.34	0.35	0.37
90	1.92	1.93	1.90	1.83	1.74	1.58	1.35	1.13	0.94	0.81	0.96	1.15	1.34	1.48	1.41	1.12	0.79	0.46	0.18
95	31.4	31.8	32.1	32.3	32.5	31.8	30.5	29.8	30.1	32.0	40.5	50.0	59.6	68.3	72.7	72.5	70.7	67.7	63.8
100	66.6	61.8	63.5	71.7	86.4	113	151	189	226	257	262	260	254	245	240	238	238	238	238
105	523	531	537	541	544	545	543	540	536	532	528	524	520	517	515	514	514	514	514
110	862	858	855	851	848	846	844	842	840	839	837	836	835	834	832	831	829	827	826
115	1180	1175	1172	1169	1166	1165	1165	1165	1165	1165	1163	1161	1159	1157	1155	1155	1154	1154	1153
120	1496	1491	1486	1482	1479	1478	1479	1480	1480	1481	1478	1475	1472	1469	1467	1467	1468	1468	1469
125	1793	1786	1781	1776	1773	1771	1771	1772	1772	1772	1769	1766	1762	1759	1758	1758	1759	1760	1762
130	2063	2055	2048	2042	2038	2036	2035	2035	2036	2036	2033	2031	2028	2025	2024	2024	2025	2026	2027
135	2303	2294	2287	2281	2276	2273	2273	2273	2274	2274	2272	2269	2266	2264	2263	2263	2264	2265	2266
140	2514	2505	2497	2491	2486	2484	2483	2484	2484	2485	2482	2479	2476	2474	2473	2473	2474	2476	2477
145	2701	2691	2683	2676	2671	2668	2667	2667	2668	2668	2665	2662	2659	2657	2656	2656	2657	2659	2660
150	2859	2849	2841	2834	2828	2825	2824	2824	2824	2824	2822	2820	2818	2816	2815	2816	2816	2817	2818
155	2991	2982	2973	2967	2961	2958	2957	2957	2957	2957	2956	2954	2952	2950	2950	2950	2951	2952	2953
160	3098	3088	3080	3073	3068	3065	3064	3064	3065	3065	3064	3063	3062	3060	3060	3061	3061	3062	3063
165	3180	3170	3163	3156	3151	3148	3148	3148	3149	3150	3149	3148	3147	3147	3147	3147	3148	3148	3149
170	3238	3229	3221	3214	3209	3207	3206	3207	3208	3209	3209	3209	3209	3209	3209	3210	3211	3211	3212
175	3273	3264	3256	3249	3245	3242	3242	3243	3244	3246	3246	3246	3247	3247	3247	3248	3249	3249	3250
180	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-12-24

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:0.3523A P:79.397W PF:0.9813 Freq:49.99Hz Lamp Flux:11788.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1045*41*33	SERIAL No.:
MFR.: NLD23-0014-01	SUR.:0.795*.034	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	2576	2575	2574	2574	2573	2572	2571	2570	2570	2568	2568	2567	2568	2572	2579	2586	2593	2599	2599
5	2480	2482	2485	2488	2491	2493	2496	2498	2501	2504	2507	2511	2516	2524	2534	2545	2555	2563	2564
10	2235	2230	2228	2229	2234	2244	2257	2273	2291	2311	2333	2355	2377	2399	2418	2436	2451	2462	2466
15	1933	1923	1916	1912	1914	1923	1936	1954	1978	2011	2048	2087	2127	2164	2197	2227	2251	2269	2272
20	1618	1607	1598	1593	1591	1595	1605	1620	1641	1675	1715	1759	1804	1852	1901	1944	1981	2008	2008
25	1351	1343	1336	1330	1322	1314	1311	1312	1321	1348	1383	1423	1469	1524	1585	1643	1692	1727	1720
30	1096	1089	1080	1071	1059	1046	1035	1029	1029	1045	1068	1098	1134	1182	1239	1294	1341	1377	1369
35	843	837	829	820	807	791	776	764	757	761	772	788	810	842	883	923	959	986	981
40	595	592	587	581	570	555	540	526	515	513	514	520	529	544	564	584	602	616	612
45	367	366	364	361	356	347	338	329	321	316	313	310	309	309	310	311	312	313	313
50	200	200	199	198	196	192	188	183	179	175	171	167	164	162	161	161	161	162	162
55	92.3	91.4	90.5	89.8	89.4	89.5	89.7	90.1	90.5	90.8	91.2	91.7	92.3	93.2	94.5	95.8	96.9	97.9	97.8
60	18.1	18.6	19.6	21.2	23.4	26.2	29.2	32.2	35.2	37.7	39.9	41.7	43.0	43.2	42.5	41.5	40.4	39.5	40.2
65	1.71	1.84	2.20	2.80	3.96	5.60	7.29	8.88	10.2	10.5	10.4	10.0	9.35	8.33	7.04	5.77	4.68	3.90	4.27
70	0.66	0.62	0.60	0.63	0.81	1.12	1.43	1.71	1.91	1.77	1.54	1.28	1.01	0.83	0.77	0.73	0.73	0.74	0.69
75	0.54	0.54	0.54	0.54	0.56	0.60	0.64	0.68	0.72	0.76	0.80	0.83	0.85	0.85	0.82	0.79	0.76	0.73	0.73
80	0.42	0.41	0.40	0.41	0.43	0.48	0.53	0.59	0.65	0.70	0.75	0.79	0.82	0.84	0.84	0.83	0.81	0.79	0.79
85	0.36	0.35	0.35	0.36	0.39	0.44	0.50	0.56	0.62	0.67	0.71	0.76	0.80	0.84	0.89	0.92	0.95	0.97	0.96
90	0.16	0.21	0.32	0.48	0.70	0.95	1.19	1.40	1.55	1.47	1.33	1.17	1.00	0.94	0.97	1.03	1.08	1.12	1.03
95	60.7	57.4	53.8	50.1	45.8	41.3	37.0	33.1	29.9	29.2	29.1	29.5	30.2	30.6	30.6	30.6	30.5	30.3	29.9
100	242	245	246	246	240	228	213	195	175	148	121	94.6	71.6	58.0	54.0	53.8	56.0	59.6	55.4
105	512	511	509	509	512	517	522	526	527	520	510	497	483	465	445	427	412	403	414
110	826	827	827	828	829	831	833	835	836	838	840	842	844	846	848	850	852	853	852
115	1153	1152	1152	1153	1154	1156	1158	1160	1163	1164	1166	1168	1169	1171	1174	1177	1179	1181	1180
120	1468	1467	1466	1466	1468	1471	1474	1477	1480	1481	1482	1483	1483	1486	1489	1492	1495	1497	1496
125	1761	1761	1760	1760	1762	1765	1768	1772	1775	1776	1777	1777	1778	1780	1784	1787	1790	1792	1791
130	2027	2027	2027	2028	2030	2033	2036	2040	2043	2044	2044	2045	2046	2048	2052	2056	2060	2063	2061
135	2266	2265	2266	2266	2268	2272	2276	2280	2283	2284	2285	2286	2287	2289	2293	2297	2300	2302	2301
140	2477	2477	2477	2478	2480	2484	2487	2491	2495	2496	2497	2498	2499	2502	2506	2510	2514	2516	2514
145	2660	2661	2661	2662	2665	2668	2672	2676	2680	2682	2683	2685	2686	2689	2693	2697	2701	2703	2700
150	2819	2819	2820	2821	2823	2827	2831	2834	2838	2840	2842	2843	2845	2848	2852	2856	2859	2861	2858
155	2954	2954	2955	2956	2958	2961	2964	2968	2971	2973	2975	2977	2979	2982	2985	2989	2991	2993	2990
160	3064	3064	3065	3066	3068	3071	3074	3077	3080	3081	3083	3085	3086	3089	3093	3096	3099	3100	3096
165	3150	3150	3151	3152	3154	3156	3158	3161	3163	3165	3166	3168	3170	3172	3175	3178	3180	3181	3177
170	3213	3213	3214	3215	3216	3217	3219	3221	3223	3224	3225	3227	3228	3230	3234	3236	3238	3239	3234
175	3251	3251	3252	3253	3254	3256	3257	3259	3260	3261	3262	3263	3265	3267	3269	3271	3273	3273	3268
180	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-12-24

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:0.3523A P:79.397W PF:0.9813 Freq:49.99Hz Lamp Flux:11788.6x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1045*41*33					SERIAL No.:				
MFR.: NLD23-0014-01									SUR.:0.795*.034					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	2598	2596	2593	2591	2589	2588	2587	2586	2585	2584	2583	2582	2581	2580	2579	2578	2577	2576	2575
5	2563	2560	2557	2555	2555	2555	2555	2555	2554	2552	2550	2549	2548	2547	2547	2547	2546	2543	2540
10	2466	2463	2457	2451	2445	2437	2429	2419	2409	2397	2385	2373	2361	2349	2337	2327	2318	2312	2308
15	2268	2258	2243	2224	2202	2177	2152	2127	2104	2082	2064	2048	2038	2034	2033	2033	2034	2027	2021
20	1997	1977	1950	1916	1877	1837	1797	1761	1735	1715	1700	1690	1689	1696	1705	1716	1726	1723	1718
25	1698	1664	1623	1577	1530	1483	1441	1405	1392	1387	1389	1396	1408	1422	1437	1451	1463	1464	1463
30	1349	1318	1279	1239	1198	1160	1125	1098	1092	1094	1103	1116	1132	1150	1168	1184	1198	1200	1199
35	966	944	918	892	867	844	825	811	815	825	839	857	876	897	916	933	947	948	945
40	603	591	578	568	561	558	557	560	572	587	604	622	640	657	671	684	693	693	691
45	312	312	313	316	321	328	336	346	359	373	387	401	414	424	433	440	446	449	450
50	162	163	166	170	176	183	191	199	207	215	222	229	235	240	245	249	252	256	258
55	97.5	97.2	97.0	97.6	98.9	100	102	104	104	105	106	107	110	113	117	120	123	124	124
60	41.0	42.1	43.1	44.0	44.6	44.9	44.8	44.2	41.7	38.9	36.1	33.6	32.3	32.4	33.0	34.0	35.3	35.9	36.7
65	5.03	6.10	7.40	9.07	11.0	12.7	14.1	14.8	13.2	11.1	8.69	6.26	4.57	3.72	3.20	2.98	3.03	3.06	3.38
70	0.67	0.70	0.80	1.12	1.66	2.18	2.63	2.94	2.59	2.10	1.54	0.97	0.62	0.51	0.47	0.50	0.57	0.53	0.54
75	0.73	0.73	0.73	0.72	0.68	0.65	0.61	0.58	0.57	0.56	0.56	0.55	0.53	0.49	0.46	0.44	0.43	0.48	0.55
80	0.78	0.77	0.75	0.72	0.68	0.63	0.58	0.53	0.50	0.48	0.47	0.45	0.44	0.42	0.41	0.41	0.42	0.45	0.50
85	0.93	0.89	0.84	0.77	0.69	0.61	0.53	0.46	0.42	0.40	0.40	0.39	0.39	0.39	0.40	0.41	0.42	0.44	0.47
90	0.92	0.79	0.67	0.58	0.53	0.50	0.47	7.41	0.41	0.39	0.36	0.35	0.35	0.36	0.39	0.41	6.91	0.42	0.40
95	29.4	28.9	28.3	27.4	26.1	25.3	25.2	26.2	31.1	36.8	42.9	48.9	53.4	56.3	58.3	59.4	59.7	58.7	56.8
100	52.7	52.7	56.7	71.5	96.8	125	154	182	200	214	226	234	239	239	238	236	234	237	240
105	431	451	471	488	499	507	514	519	520	520	519	517	515	514	514	513	513	515	517
110	850	848	846	843	839	835	832	830	832	834	837	840	840	837	834	831	830	833	838
115	1178	1175	1173	1169	1165	1161	1158	1157	1160	1164	1168	1172	1173	1171	1168	1166	1164	1166	1169
120	1494	1491	1488	1484	1480	1477	1474	1473	1476	1480	1484	1489	1490	1489	1487	1485	1484	1485	1487
125	1789	1787	1783	1780	1776	1773	1770	1768	1771	1774	1777	1780	1781	1780	1778	1776	1775	1777	1779
130	2058	2055	2051	2047	2045	2042	2040	2039	2040	2042	2044	2046	2046	2044	2042	2041	2040	2042	2044
135	2298	2295	2291	2289	2287	2285	2284	2284	2284	2285	2286	2286	2285	2283	2281	2280	2278	2281	2283
140	2511	2507	2503	2500	2499	2498	2497	2497	2497	2498	2498	2499	2498	2496	2494	2492	2492	2493	2496
145	2697	2692	2688	2685	2684	2683	2683	2683	2683	2684	2684	2685	2684	2683	2681	2680	2679	2681	2683
150	2854	2849	2845	2842	2841	2840	2840	2840	2841	2841	2841	2842	2842	2841	2840	2840	2839	2841	2843
155	2985	2981	2976	2973	2972	2972	2972	2973	2973	2974	2974	2975	2975	2974	2974	2973	2973	2975	2976
160	3091	3086	3080	3077	3076	3076	3077	3077	3078	3079	3080	3081	3082	3081	3081	3081	3082	3083	3084
165	3171	3166	3161	3158	3157	3157	3158	3159	3160	3161	3162	3163	3163	3163	3163	3163	3164	3165	3167
170	3228	3221	3215	3212	3212	3213	3215	3216	3217	3218	3219	3219	3220	3221	3221	3222	3222	3224	3225
175	3262	3255	3249	3246	3246	3246	3247	3249	3250	3251	3252	3253	3254	3254	3255	3255	3256	3257	3258
180	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-12-24

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:0.3523A P:79.397W PF:0.9813 Freq:49.99Hz Lamp Flux:11788.6x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1045*41*33						SERIAL No.:		
MFR.: NLD23-0014-01									SUR.:0.795*.034						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	2574	2574	2573	2572	2571	2570	2570	2568	2568	2567	2568	2571	2576	2582	2590				
5	2538	2535	2535	2535	2537	2539	2541	2541	2542	2543	2544	2547	2550	2555	2560				
10	2307	2310	2320	2337	2356	2376	2395	2409	2422	2433	2444	2455	2467	2478	2488				
15	2017	2018	2028	2049	2073	2101	2130	2158	2185	2212	2237	2258	2277	2293	2307				
20	1715	1713	1717	1728	1743	1762	1785	1816	1850	1886	1922	1955	1984	2012	2039				
25	1460	1456	1452	1448	1447	1450	1459	1484	1515	1551	1589	1628	1666	1705	1746				
30	1195	1189	1182	1173	1167	1163	1165	1181	1202	1229	1261	1295	1333	1374	1420				
35	939	931	921	910	901	894	890	894	902	915	932	955	982	1013	1050				
40	686	678	669	659	648	638	629	623	619	618	621	628	640	656	676				
45	450	447	441	432	422	411	400	392	385	379	375	373	373	375	378				
50	259	259	256	251	245	238	230	223	215	208	201	196	192	190	188				
55	124	124	124	124	124	124	124	121	119	116	114	112	112	112	113				
60	37.7	39.2	41.5	44.6	48.0	51.2	54.2	55.8	57.0	57.8	58.2	58.4	58.2	57.7	56.9				
65	4.05	5.13	7.20	10.2	13.2	16.1	18.5	19.1	19.0	18.4	17.4	16.1	14.6	12.8	10.6				
70	0.63	0.83	1.35	2.16	2.98	3.71	4.26	3.99	3.53	2.95	2.34	1.90	1.68	1.53	1.47				
75	0.64	0.73	0.80	0.87	0.94	1.02	1.11	1.27	1.44	1.60	1.73	1.80	1.80	1.75	1.66				
80	0.56	0.62	0.70	0.77	0.86	0.96	1.08	1.28	1.48	1.67	1.84	1.94	1.96	1.94	1.87				
85	0.50	0.55	0.61	0.69	0.78	0.90	1.06	1.33	1.62	1.91	2.16	2.32	2.39	2.39	2.32				
90	0.40	0.41	0.47	0.56	0.67	0.81	0.95	1.13	1.31	1.49	1.65	1.77	1.85	1.90	1.93				
95	54.3	51.1	46.9	41.9	36.9	32.4	28.6	27.9	28.1	28.9	30.0	30.7	31.0	31.2	31.3				
100	243	245	244	240	233	223	209	181	152	122	94.6	75.2	64.9	60.0	60.6				
105	520	522	524	525	527	528	529	532	534	535	536	536	534	531	527				
110	842	846	847	844	841	838	836	840	845	850	855	859	861	862	863				
115	1172	1174	1174	1172	1169	1166	1165	1167	1171	1175	1179	1181	1182	1182	1181				
120	1489	1491	1491	1489	1487	1485	1484	1487	1490	1495	1498	1501	1501	1500	1499				
125	1782	1784	1784	1783	1781	1780	1780	1783	1787	1792	1796	1798	1798	1798	1796				
130	2047	2050	2051	2050	2049	2048	2048	2052	2057	2061	2065	2068	2068	2068	2066				
135	2286	2289	2291	2292	2292	2292	2293	2296	2299	2302	2305	2307	2307	2307	2305				
140	2499	2502	2504	2505	2505	2506	2507	2510	2513	2516	2518	2520	2519	2518	2517				
145	2686	2688	2690	2691	2692	2693	2694	2697	2699	2701	2703	2704	2704	2704	2702				
150	2845	2848	2849	2850	2851	2852	2853	2855	2857	2859	2861	2862	2862	2862	2861				
155	2978	2980	2982	2983	2983	2984	2985	2987	2989	2990	2992	2993	2993	2993	2992				
160	3086	3087	3089	3089	3090	3091	3092	3093	3095	3096	3097	3098	3098	3098	3098				
165	3169	3170	3172	3172	3172	3173	3173	3174	3175	3176	3177	3178	3179	3179	3180				
170	3226	3227	3228	3229	3229	3230	3231	3232	3233	3233	3234	3235	3236	3237	3237				
175	3259	3260	3261	3262	3263	3263	3264	3265	3266	3266	3267	3268	3269	3270	3272				
180	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284	3284				

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C Interval: 5.0DEG
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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]
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