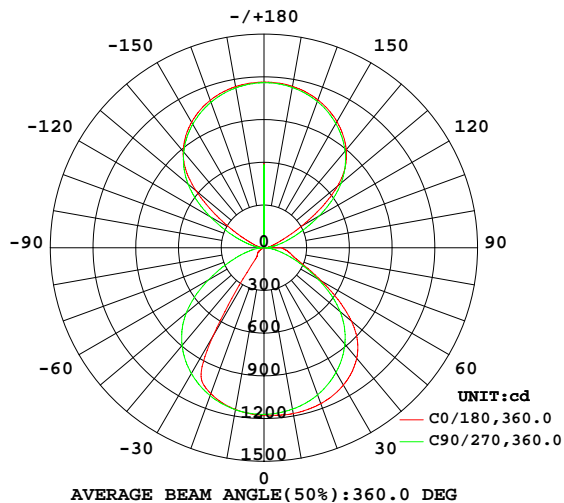


LUMINAIRE PHOTOMETRIC TEST REPORT

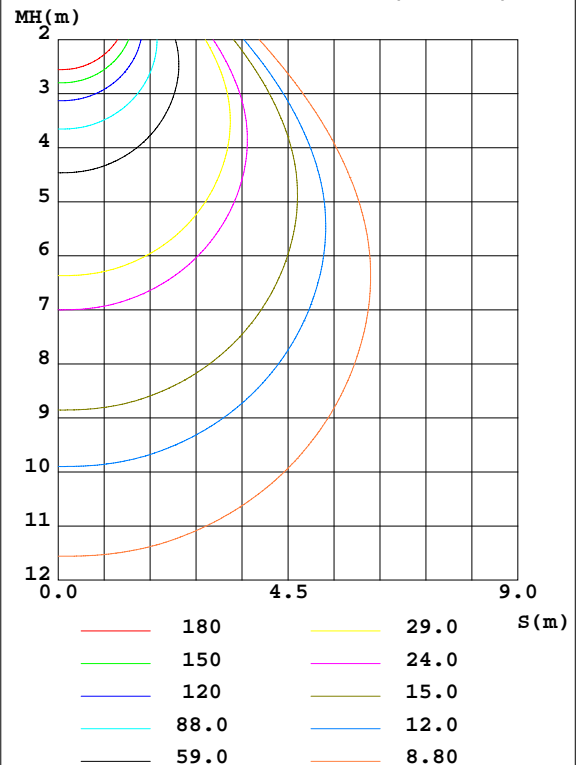
Test:U:229.78V I:0.2148A P:47.873W PF:0.9700 Freq:49.99Hz Lamp Flux:5692.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1496*26*77	SERIAL No.:
MFR.: NLT21-091-03	SUR.:1.49*0.015	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 118.90 lm/W			
MODEL		Imax(cd)	1183	S/MH(C0/180)	1.41
NOMINAL POWER(W)	50	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	5692.3	η UP,DN(C0-180)	26.2,24.1
NOMINAL FLUX(lm)	5692.3	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	26.0,23.8
LAMPS INSIDE	1	η up(%)	52.1	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230.0	η down(%)	47.9	CIBSE SHR MAX	1.15

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:2021-11-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:9.370m [K=1.0672]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

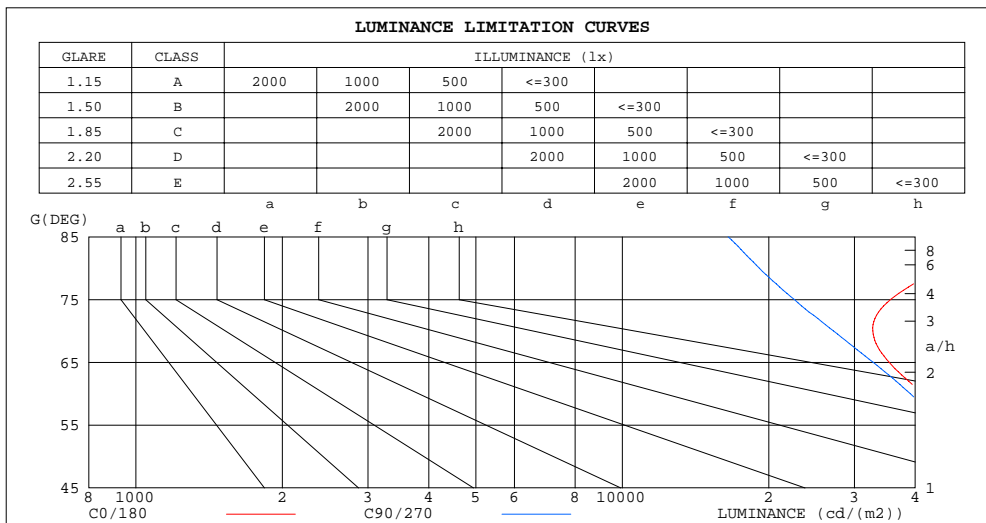
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1183	1169	1151	1145	1154	1153	1155	1168	0- 10	111.2	111.2	1.95,1.95
20	1165	1140	1099	1088	1091	1097	1106	1140	10- 20	322.5	433.7	7.62,7.62
30	1114	1077	1011	988.3	715.5	1001	1020	1082	20- 30	495.4	929.1	16.3,16.3
40	1013	971.8	883.4	529.9	75.67	595.7	895.0	979.2	30- 40	539.5	1469	25.8,25.8
50	801.3	792.2	698.4	67.19	58.38	70.47	712.1	806.2	40- 50	484.3	1953	34.3,34.3
60	463.7	513.5	435.7	47.67	26.28	48.41	449.8	524.3	50- 60	379.6	2333	41,41
70	249.6	279.2	207.2	8.342	1.069	11.13	213.3	280.6	60- 70	216.8	2549	44.8,44.8
80	177.6	146.6	74.08	1.129	1.953	1.037	78.05	148.5	70- 80	115.3	2665	46.8,46.8
90	119.8	82.69	1.096	1.620	1.990	1.405	1.267	84.30	80- 90	61.65	2726	47.9,47.9
100	40.89	43.68	74.30	39.47	35.50	37.84	70.95	42.88	90-100	24.23	2751	48.3,48.3
110	93.48	158.2	210.0	149.4	86.83	139.9	203.2	157.3	100-110	97.29	2848	50,50
120	304.2	407.9	447.3	379.7	268.7	366.3	434.6	401.5	110-120	246.2	3094	54.4,54.4
130	674.9	706.1	707.1	682.9	622.4	671.6	695.6	699.9	120-130	472.5	3567	62.7,62.7
140	898.9	893.4	886.2	888.9	882.6	878.1	877.0	890.9	130-140	612.3	4179	73.4,73.4
150	1024	1017	1009	1015	1018	1005	1002	1014	140-150	597.5	4776	83.9,83.9
160	1106	1097	1094	1099	1103	1091	1088	1098	150-160	488.4	5265	92.5,92.5
170	1151	1144	1144	1146	1149	1141	1141	1145	160-170	317.7	5582	98.1,98.1
180	1164	1164	1164	1164	1164	1164	1164	1164	170-180	110.0	5692	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:2021-11-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:9.370m [K=1.0672]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:229.78V I:0.2148A P:47.873W PF:0.9700 Freq:49.99Hz Lamp Flux:5692.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1496*26*77	SERIAL No.:
MFR.: NLT21-091-03	SUR.:1.49*0.015	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	75968	16506
80	45859	19131
75	35590	22576
70	32725	27172
65	35355	32798
60	41587	39078
55	49566	44832
50	55904	48721
45	58910	50747

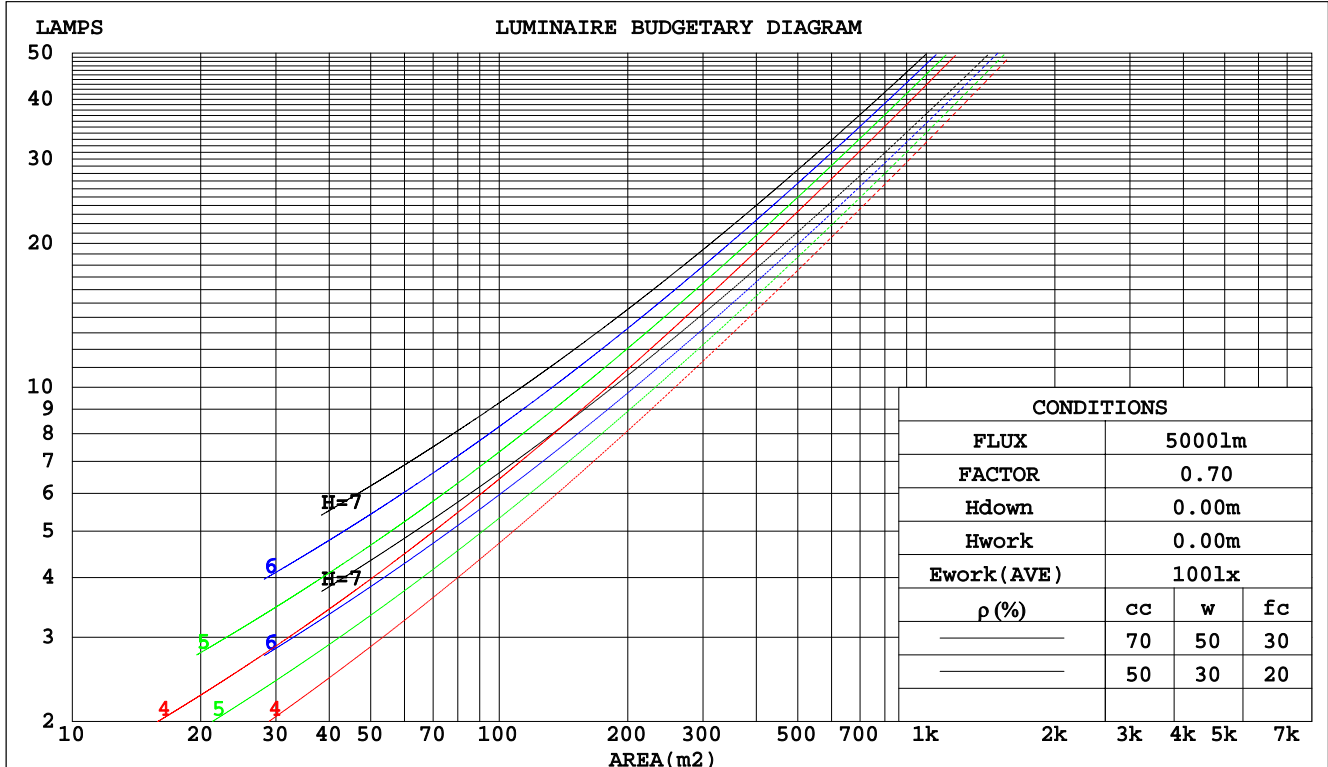
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2021-11-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.78V I:0.2148A P:47.873W PF:0.9700 Freq:49.99Hz Lamp Flux:5692.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1496*26*77	SERIAL No.:
MFR.: NLT21-091-03	SUR.:1.49*0.015	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	1.07	1.07	1.07	.98	.98	.98	.82	.82	.82	.68	.68	.68	.54	.54	.54	.48
1.0	.93	.90	.86	.86	.83	.80	.73	.70	.68	.60	.58	.57	.48	.47	.46	.41
2.0	.82	.76	.71	.76	.71	.66	.64	.60	.57	.53	.51	.48	.43	.41	.40	.35
3.0	.73	.66	.60	.67	.61	.56	.57	.52	.49	.47	.44	.41	.39	.36	.34	.30
4.0	.65	.57	.51	.60	.53	.48	.51	.46	.42	.43	.39	.36	.35	.32	.30	.26
5.0	.58	.50	.44	.54	.47	.41	.46	.40	.36	.38	.34	.31	.32	.29	.26	.23
6.0	.52	.44	.38	.48	.41	.36	.41	.36	.32	.35	.31	.28	.29	.26	.24	.21
7.0	.47	.39	.34	.44	.37	.32	.38	.32	.28	.32	.28	.25	.26	.23	.21	.18
8.0	.43	.35	.30	.40	.33	.28	.34	.29	.25	.29	.25	.22	.24	.21	.19	.17
9.0	.39	.32	.27	.37	.30	.25	.32	.26	.23	.27	.23	.20	.23	.19	.17	.15
10.0	.36	.29	.24	.34	.27	.23	.29	.24	.20	.25	.21	.18	.21	.18	.16	.14



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2021-11-23

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks:

WEC AND CCEC

Test:U:229.78V I:0.2148A P:47.873W PF:0.9700 Freq:49.99Hz Lamp Flux:5692.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1496*26*77	SERIAL No.:
MFR.: NLT21-091-03	SUR.:1.49*0.015	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	.270	.153	.049	.247	.141	.045	.204	.117	.037	.165	.095	.031	.129	.075	.024		
2.0	.250	.137	.042	.230	.126	.039	.191	.106	.033	.155	.087	.027	.122	.069	.022		
3.0	.232	.123	.037	.213	.114	.034	.178	.096	.029	.145	.079	.024	.115	.063	.020		
4.0	.215	.112	.033	.198	.104	.031	.166	.088	.026	.135	.073	.022	.107	.058	.018		
5.0	.200	.102	.030	.185	.095	.028	.155	.080	.024	.127	.067	.020	.101	.054	.016		
6.0	.187	.094	.027	.172	.087	.025	.145	.074	.022	.119	.062	.018	.095	.050	.015		
7.0	.175	.086	.025	.161	.080	.023	.136	.069	.020	.112	.057	.017	.089	.046	.014		
8.0	.164	.080	.023	.152	.075	.021	.128	.064	.018	.105	.053	.015	.084	.043	.013		
9.0	.154	.075	.021	.143	.070	.020	.120	.060	.017	.099	.050	.014	.080	.040	.012		
10.0	.146	.070	.019	.135	.065	.018	.114	.056	.016	.094	.047	.013	.075	.038	.011		

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	.587	.587	.587	.502	.502	.502	.343	.343	.343	.197	.197	.197	.063	.063	.063	
1.0	.578	.557	.538	.494	.478	.463	.338	.329	.320	.195	.190	.186	.062	.061	.060	
2.0	.570	.535	.506	.488	.461	.437	.334	.319	.305	.193	.185	.179	.062	.060	.058	
3.0	.562	.519	.485	.482	.448	.420	.331	.311	.295	.191	.182	.174	.061	.059	.057	
4.0	.555	.507	.470	.477	.438	.409	.328	.305	.288	.190	.179	.170	.061	.058	.056	
5.0	.549	.498	.460	.471	.431	.400	.325	.301	.283	.188	.177	.168	.061	.058	.055	
6.0	.543	.490	.453	.467	.425	.394	.322	.297	.279	.187	.175	.166	.060	.057	.055	
7.0	.537	.484	.447	.462	.420	.390	.319	.294	.276	.185	.173	.164	.060	.057	.054	
8.0	.531	.479	.443	.457	.415	.386	.317	.292	.274	.184	.172	.163	.060	.056	.054	
9.0	.526	.475	.440	.453	.412	.383	.314	.289	.272	.183	.171	.162	.059	.056	.054	
10.0	.521	.471	.437	.449	.409	.381	.312	.288	.271	.182	.170	.162	.059	.056	.054	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2021-11-23

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:229.78V I:0.2148A P:47.873W PF:0.9700 Freq:49.99Hz Lamp Flux:5692.3x1 lm											
NAME:			TYPE:			WEIGHT:					
SPEC.:			DIM.: 1496*26*77			SERIAL No.:					
MFR.: NLT21-091-03			SUR.:1.49*0.015			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	2H	23.8	24.7	24.7	25.5	26.7	23.6	24.5	24.5	25.4	26.5
	3H	24.6	25.4	25.5	26.3	27.4	24.5	25.3	25.4	26.1	27.3
	4H	25.0	25.8	25.9	26.7	27.8	24.7	25.5	25.6	26.4	27.5
	6H	25.6	26.3	26.6	27.2	28.4	24.9	25.5	25.8	26.5	27.7
	8H	26.0	26.7	27.0	27.6	28.8	24.9	25.5	25.8	26.5	27.7
	12H	26.5	27.1	27.5	28.1	29.3	24.9	25.5	25.8	26.4	27.7
4H	2H	24.1	24.8	25.0	25.7	26.9	23.9	24.7	24.9	25.6	26.8
	3H	25.1	25.7	26.0	26.6	27.8	25.0	25.6	26.0	26.6	27.8
	4H	25.6	26.2	26.6	27.1	28.4	25.4	26.0	26.4	26.9	28.2
	6H	26.4	26.9	27.4	27.9	29.2	25.7	26.2	26.7	27.2	28.5
	8H	26.9	27.4	27.9	28.4	29.7	25.8	26.3	26.8	27.2	28.5
	12H	27.6	28.0	28.6	29.0	30.3	25.8	26.2	26.8	27.2	28.6
8H	4H	25.8	26.2	26.8	27.2	28.5	25.6	26.0	26.6	27.0	28.3
	6H	26.8	27.1	27.8	28.2	29.5	26.1	26.5	27.1	27.5	28.8
	8H	27.5	27.8	28.5	28.8	30.1	26.3	26.6	27.3	27.6	29.0
	12H	28.3	28.6	29.4	29.6	31.0	26.5	26.7	27.5	27.8	29.1
12H	4H	25.7	26.1	26.7	27.1	28.5	25.6	26.0	26.6	27.0	28.3
	6H	26.8	27.1	27.9	28.2	29.5	26.2	26.5	27.2	27.5	28.9
	8H	27.6	27.9	28.6	28.9	30.3	26.5	26.8	27.5	27.8	29.2
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3					
1.5H	+ 0.2 / - 0.4					+ 0.3 / - 0.6					
2.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.7					

CIE Pub.117, 5692 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 6.0$)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2021-11-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:229.78V I:0.2148A P:47.873W PF:0.9700 Freq:49.99Hz Lamp Flux:5692.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1496*26*77	SERIAL No.:
MFR.: NLT21-091-03	SUR.:1.49*0.015	Shielding Angle:

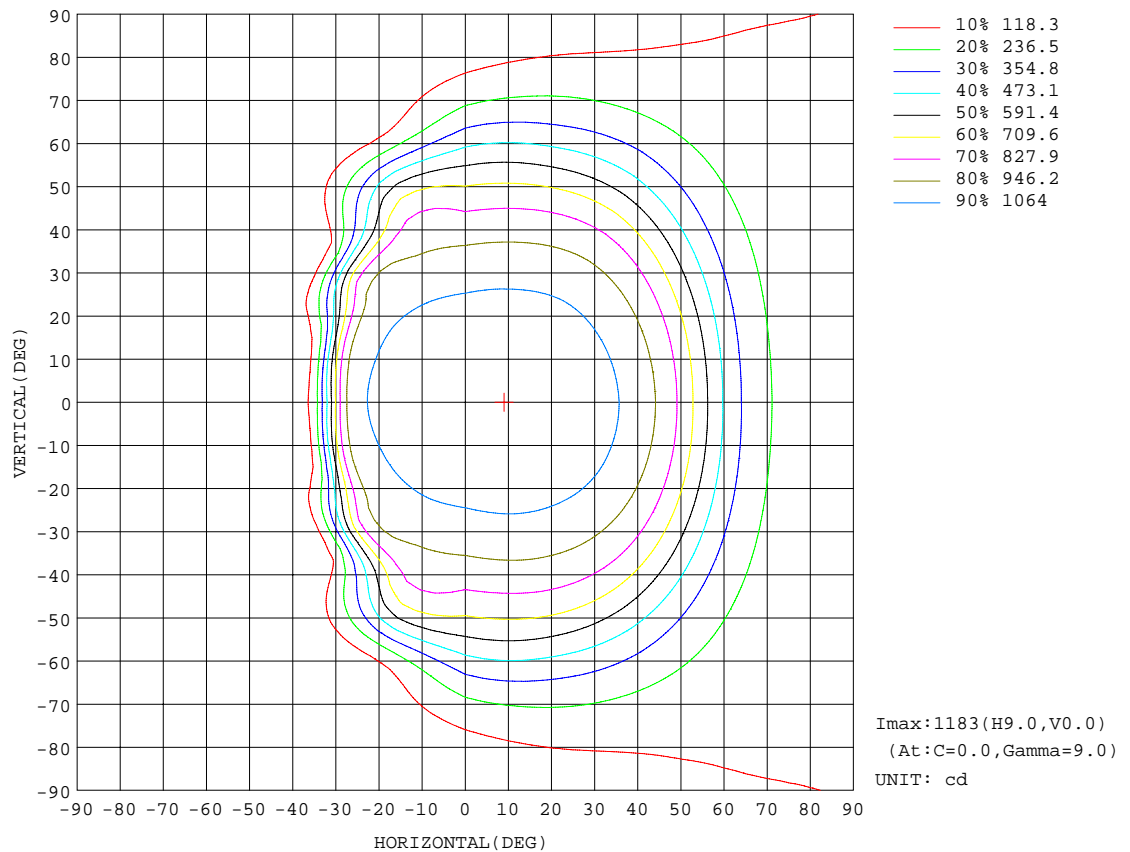
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	36	30	43	34	29	39	31	27	19
0.80	56	45	38	52	42	36	46	38	33	23
1.00	63	52	45	59	50	43	51	45	39	27
1.25	70	59	53	65	56	50	56	50	45	31
1.50	75	65	58	69	61	55	60	54	49	33
2.00	81	73	66	75	68	62	65	59	55	36
2.50	86	78	71	79	72	67	67	63	59	38
3.00	89	82	76	82	76	71	70	65	62	39
4.00	93	87	82	86	81	76	72	69	66	41
5.00	95	90	86	88	84	80	74	71	69	42
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:2021-11-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks:

ISOCANDELA DIAGRAM

Test:U:229.78V I:0.2148A P:47.873W PF:0.9700 Freq:49.99Hz Lamp Flux:5692.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1496*26*77	SERIAL No.:
MFR.: NLT21-091-03	SUR.:1.49*0.015	Shielding Angle:

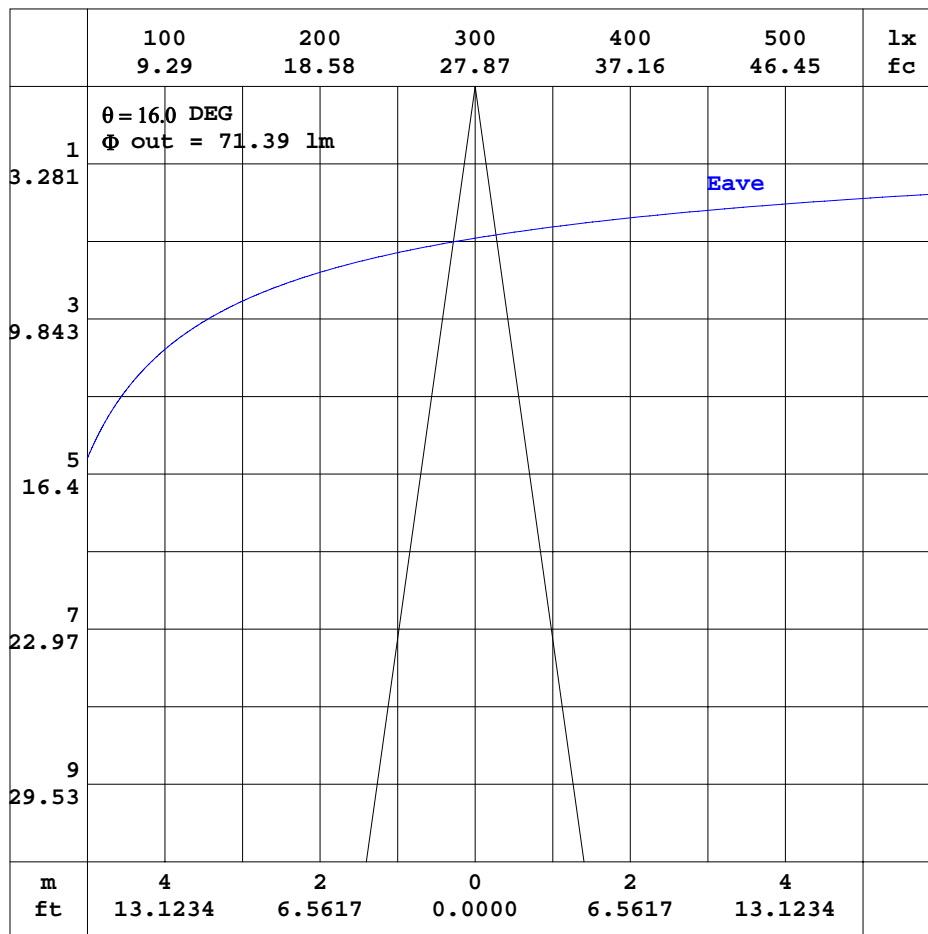


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2021-11-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks:

AAI CURVES

Test:U:229.78V I:0.2148A P:47.873W PF:0.9700 Freq:49.99Hz Lamp Flux:5692.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1496*26*77	SERIAL No.:
MFR.: NLT21-091-03	SUR.:1.49*0.015	Shielding Angle:



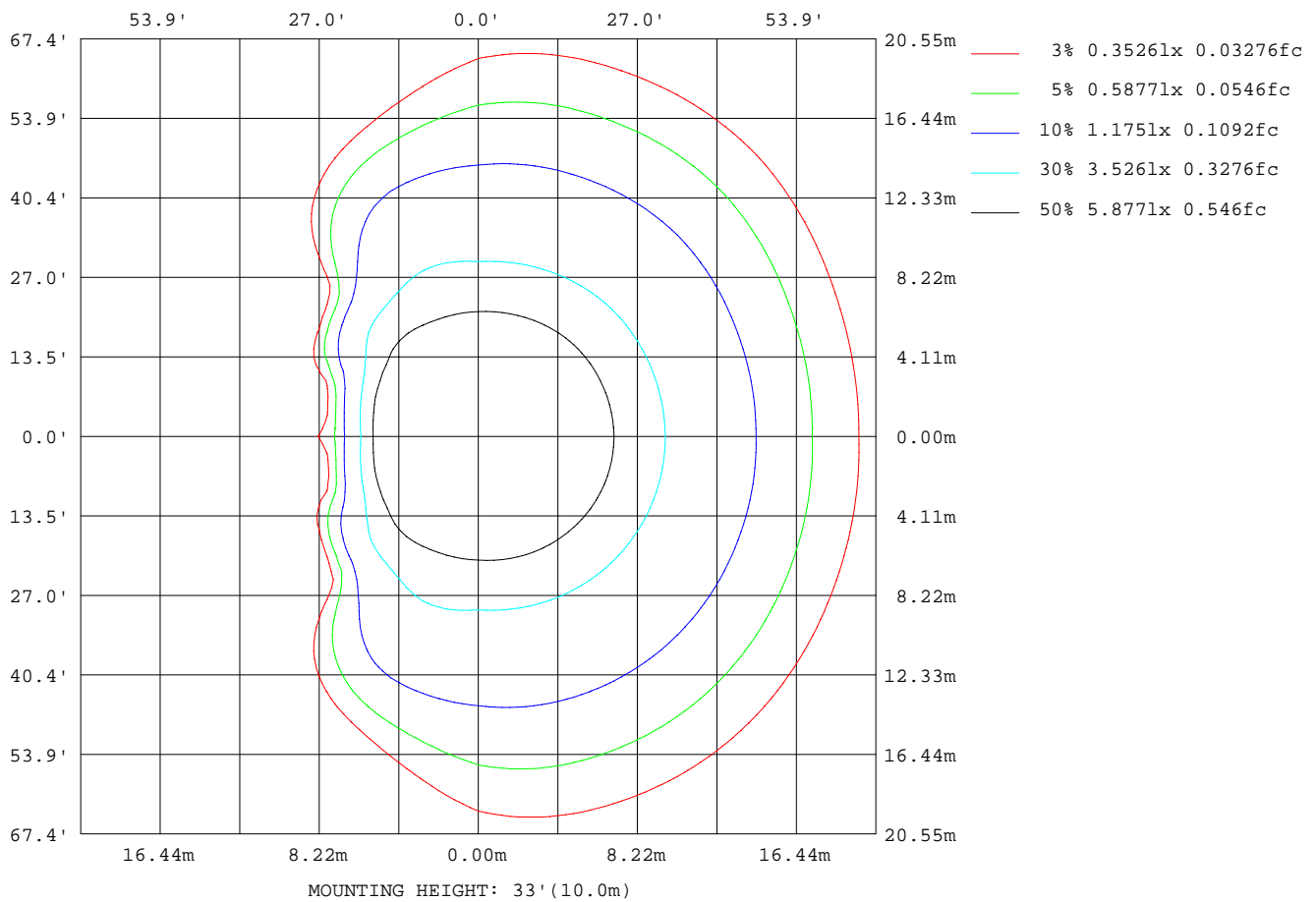
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-11-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity: 65.0%
 Test Distance: 9.370m [K=1.0672]
 Remarks:

ISOLUX DIAGRAM

Test:U:229.78V I:0.2148A P:47.873W PF:0.9700 Freq:49.99Hz Lamp Flux:5692.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1496*26*77	SERIAL No.:
MFR.: NLT21-091-03	SUR.:1.49*0.015	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2021-11-23

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks:

LED Avg.L Report

Test:U:229.78V I:0.2148A P:47.873W PF:0.9700 Freq:49.99Hz Lamp Flux:5692.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1496*26*77	SERIAL No.:
MFR.: NLT21-091-03	SUR.:1.49*0.015	Shielding Angle:

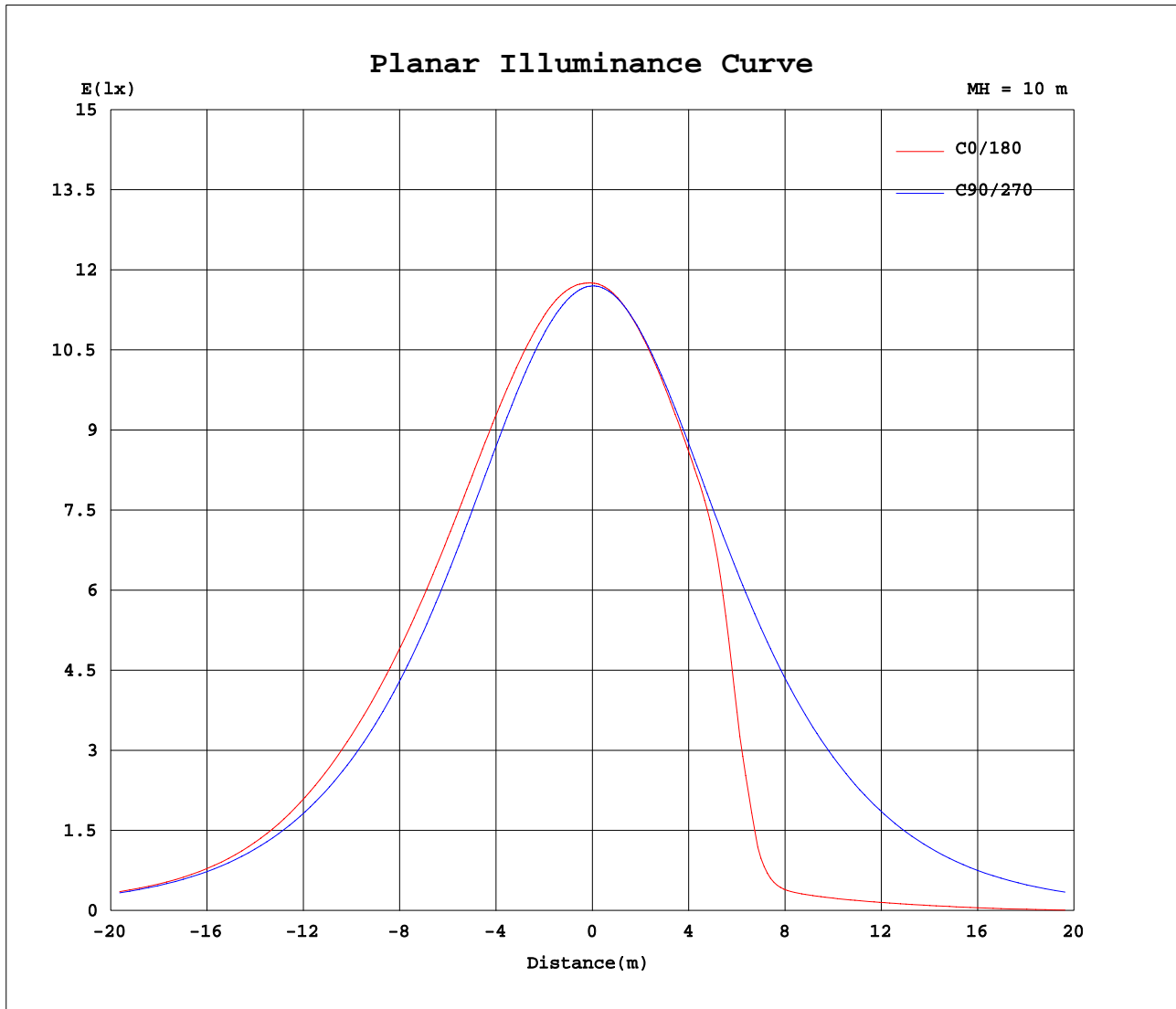
AvgL	cd/m2
L_0~180(65)av	17890
L_0~180(75)av	17917
L_0~180(85)av	38659
L_90~270(65)av	33314
L_90~270(75)av	23026
L_90~270(85)av	17227
L_45(65)av	22309
L_45(75)av	17483
L_45(85)av	29727

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2021-11-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:9.370m [K=1.0672]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2021-11-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity: 65.0%
Test Distance: 9.370m [K=1.0672]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.78V I:0.2148A P:47.873W PF:0.9700 Freq:49.99Hz Lamp Flux:5692.3x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1496*26*77					SERIAL No.:				
MFR.: NLT21-091-03									SUR.:1.49*0.015					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	1175	1175	1175	1174	1174	1173	1173	1173	1173	1172	1172	1172	1172	1171	1171	1171	1170	1170	1170
5	1180	1180	1179	1178	1178	1177	1176	1175	1174	1173	1172	1171	1170	1169	1168	1167	1166	1165	1164
10	1183	1182	1181	1180	1178	1177	1175	1173	1171	1169	1166	1164	1162	1160	1158	1156	1154	1152	1151
15	1177	1176	1175	1174	1172	1170	1167	1164	1161	1158	1155	1151	1147	1144	1141	1137	1135	1132	1130
20	1165	1164	1163	1161	1158	1156	1152	1148	1144	1140	1135	1130	1126	1121	1116	1111	1107	1103	1099
25	1145	1144	1143	1141	1138	1134	1130	1124	1119	1113	1107	1101	1095	1089	1083	1076	1070	1065	1060
30	1114	1114	1113	1111	1107	1103	1097	1091	1084	1077	1070	1063	1056	1048	1040	1032	1024	1017	1011
35	1072	1071	1069	1067	1063	1059	1053	1046	1039	1031	1023	1015	1006	997	988	978	969	960	953
40	1013	1012	1010	1007	1004	999	993	987	980	972	963	954	944	934	923	912	902	892	883
45	929	929	928	926	923	919	915	909	902	895	886	877	867	857	845	833	822	810	800
50	801	803	805	805	805	804	803	800	797	792	786	779	770	761	750	738	725	712	698
55	634	638	641	644	647	651	654	657	659	659	657	653	648	640	632	622	609	593	573
60	464	469	474	479	484	491	498	504	510	513	515	514	511	505	499	492	480	462	436
65	333	336	340	344	349	356	364	371	378	383	386	386	384	380	374	366	354	335	309
70	250	250	250	252	254	258	264	270	275	279	281	282	280	276	269	259	246	229	207
75	205	204	202	201	200	200	200	200	200	200	201	201	200	196	189	178	165	149	130
80	178	177	176	174	171	167	162	157	152	147	144	142	139	134	126	115	103	89.0	74.1
85	148	147	146	144	141	137	132	126	120	113	106	98.9	91.0	82.5	73.0	62.6	52.2	41.9	32.1
90	120	119	118	115	112	108	103	96.7	90.0	82.7	74.3	65.5	56.2	46.7	36.7	26.3	16.6	8.07	1.10
95	19.5	19.5	19.6	19.7	19.8	20.0	20.2	20.4	20.7	21.1	21.4	21.9	22.5	23.3	25.0	27.3	29.6	31.4	32.4
100	40.9	40.8	40.8	40.9	41.1	41.1	40.9	41.1	42.0	43.7	48.3	53.5	58.9	64.1	68.3	71.0	73.0	74.1	74.3
105	59.7	58.7	58.7	59.7	61.6	64.5	68.4	73.2	78.8	85.3	94.1	103	112	120	126	129	131	132	132
110	93.5	93.5	95.4	99.0	104	112	123	134	146	158	169	180	190	198	204	208	210	211	210
115	171	173	176	182	191	202	217	233	249	265	277	287	296	303	309	313	316	317	316
120	304	307	312	319	328	341	358	375	392	408	417	425	431	436	440	444	446	448	447
125	491	493	496	501	507	517	529	542	555	566	571	574	577	578	580	582	584	585	585
130	675	675	675	677	680	684	690	696	701	706	707	707	706	705	705	706	707	707	707
135	809	807	806	806	806	806	808	809	810	811	810	809	808	807	806	806	806	806	806
140	899	897	896	894	894	893	893	893	893	893	892	891	890	889	888	887	887	886	886
145	968	966	964	963	962	962	961	961	961	961	960	959	958	956	955	954	953	953	952
150	1024	1022	1020	1019	1018	1017	1017	1017	1017	1017	1016	1015	1014	1013	1012	1011	1010	1009	1009
155	1069	1067	1065	1064	1063	1062	1062	1062	1062	1062	1061	1060	1059	1059	1058	1057	1057	1056	1056
160	1106	1103	1101	1099	1098	1097	1097	1097	1097	1097	1097	1096	1095	1095	1094	1094	1094	1094	1094
165	1133	1130	1128	1126	1125	1124	1124	1124	1125	1125	1124	1124	1124	1123	1123	1123	1123	1123	1123
170	1151	1149	1147	1146	1145	1144	1144	1144	1144	1144	1144	1144	1144	1143	1143	1143	1143	1143	1144
175	1161	1159	1157	1155	1154	1153	1153	1154	1154	1154	1154	1155	1155	1155	1155	1155	1155	1156	1156
180	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2021-11-23

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.78V I:0.2148A P:47.873W PF:0.9700 Freq:49.99Hz Lamp Flux:5692.3x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1496*26*77					SERIAL No.:				
MFR.: NLT21-091-03									SUR.:1.49*0.015					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	1170	1170	1169	1169	1169	1169	1169	1168	1168	1168	1167	1167	1167	1168	1170	1172	1174	1175	1175
5	1164	1163	1163	1163	1162	1162	1162	1161	1161	1161	1160	1160	1161	1162	1164	1166	1168	1169	1169
10	1150	1150	1149	1149	1148	1147	1146	1146	1145	1145	1144	1145	1145	1146	1148	1150	1152	1154	1154
15	1129	1128	1127	1126	1126	1125	1124	1123	1122	1121	1121	1121	1121	1122	1124	1125	1127	1128	1128
20	1098	1096	1096	1095	1094	1092	1091	1089	1088	1087	1086	1085	1085	1086	1087	1088	1090	1091	1091
25	1057	1056	1055	1054	1052	1050	1048	1046	1044	1042	1040	1038	1036	1035	1033	1033	1032	1032	1034
30	1008	1006	1005	1003	1003	1003	1001	997	988	971	949	924	895	857	812	770	737	715	739
35	951	949	947	944	945	948	941	921	883	779	660	537	417	324	261	216	189	179	188
40	890	894	891	879	842	780	706	622	530	422	315	215	127	73.7	56.7	54.3	62.1	75.7	60.5
45	814	822	818	795	715	579	433	288	157	107	78.2	65.6	64.6	64.0	60.9	60.9	62.9	65.9	61.9
50	703	702	689	660	579	451	315	183	67.2	36.4	27.3	33.7	49.6	58.9	58.4	58.2	58.2	58.4	58.2
55	551	524	489	445	380	294	208	126	56.6	36.9	30.8	34.6	44.5	49.9	48.9	48.1	47.6	47.4	47.7
60	385	328	269	211	162	125	93.0	67.4	47.7	38.1	33.3	32.0	32.9	32.4	30.1	28.2	26.9	26.3	27.0
65	257	200	143	90.2	56.2	42.2	35.1	32.9	33.3	26.7	20.7	15.3	10.8	7.49	5.50	4.33	3.86	4.00	3.95
70	171	132	93.2	57.2	32.8	20.6	13.3	9.60	8.34	5.18	3.07	1.82	1.22	0.88	0.65	0.66	0.82	1.07	0.70
75	106	80.7	56.2	33.8	18.2	9.91	4.72	2.01	1.13	0.00	0.00	0.11	0.87	1.33	1.37	1.40	1.41	1.41	1.37
80	56.4	38.9	22.6	8.39	0.00	0.00	0.00	0.00	1.13	1.20	1.33	1.51	1.70	1.84	1.90	1.95	1.96	1.95	1.90
85	23.4	15.6	8.87	3.44	0.28	0.00	0.00	0.16	1.32	1.55	1.82	2.09	2.34	2.52	2.60	2.65	2.65	2.62	2.57
90	0.00	0.00	0.00	0.63	1.43	1.45	1.48	1.53	1.62	1.85	2.11	2.38	2.63	2.80	2.89	2.94	2.95	1.99	2.85
95	30.7	28.2	25.3	22.3	20.1	18.9	17.8	16.9	16.1	14.9	13.7	12.6	11.6	10.8	10.3	9.98	9.78	9.71	9.72
100	73.3	71.5	68.8	65.4	60.8	55.2	49.6	44.2	39.5	37.8	37.0	36.7	36.9	36.8	36.3	36.0	35.7	35.5	35.6
105	130	128	125	121	114	106	97.0	88.1	79.7	73.6	68.4	64.1	60.8	58.6	57.5	57.2	57.3	57.7	57.3
110	208	205	201	196	189	180	170	160	149	137	125	114	103	95.8	91.3	88.4	87.0	86.8	86.7
115	313	309	303	296	288	279	270	259	247	231	215	200	185	174	165	159	155	154	154
120	444	439	432	425	417	410	401	391	380	362	344	326	309	295	284	276	271	269	270
125	581	577	572	566	560	555	550	543	534	519	503	487	472	459	449	442	437	434	436
130	705	702	699	695	693	691	690	687	683	674	664	654	644	636	631	626	624	622	623
135	805	804	802	801	801	801	801	801	800	797	793	789	785	782	780	779	779	779	778
140	886	885	885	885	885	886	887	888	889	888	887	885	884	883	883	883	883	883	881
145	952	952	952	953	954	955	956	958	959	959	959	958	957	957	958	958	958	958	956
150	1008	1008	1009	1009	1010	1011	1013	1014	1015	1016	1016	1016	1016	1017	1017	1018	1018	1018	1016
155	1056	1056	1056	1056	1057	1058	1059	1060	1062	1062	1063	1063	1064	1064	1065	1066	1066	1066	1064
160	1095	1095	1095	1095	1096	1097	1097	1098	1099	1100	1100	1100	1100	1101	1102	1102	1103	1103	1101
165	1123	1123	1123	1124	1124	1125	1125	1126	1127	1127	1128	1128	1129	1129	1130	1130	1131	1131	1129
170	1144	1144	1144	1144	1144	1144	1145	1145	1146	1146	1147	1147	1148	1148	1149	1149	1149	1149	1148
175	1156	1156	1156	1156	1156	1157	1157	1157	1157	1158	1158	1158	1158	1159	1159	1160	1160	1160	1158
180	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2021-11-23

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.78V I:0.2148A P:47.873W PF:0.9700 Freq:49.99Hz Lamp Flux:5692.3x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1496*26*77					SERIAL No.:				
MFR.: NLT21-091-03									SUR.:1.49*0.015					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	1175	1175	1174	1173	1173	1173	1173	1172	1172	1172	1172	1171	1171	1171	1170	1170	1170	1170	1170
5	1169	1169	1168	1168	1168	1168	1168	1168	1167	1167	1167	1167	1167	1167	1167	1167	1167	1167	1167
10	1153	1153	1152	1152	1152	1152	1153	1153	1153	1153	1153	1153	1153	1153	1154	1154	1155	1156	1157
15	1128	1127	1127	1127	1127	1128	1129	1129	1129	1130	1130	1130	1131	1131	1132	1133	1134	1137	1139
20	1091	1090	1090	1091	1092	1094	1095	1097	1098	1099	1099	1100	1101	1102	1103	1104	1106	1109	1113
25	1035	1037	1040	1043	1046	1049	1052	1055	1057	1058	1060	1061	1061	1062	1063	1065	1067	1071	1076
30	774	818	865	904	935	961	983	1001	1009	1012	1013	1012	1012	1014	1015	1017	1020	1025	1030
35	215	260	323	420	546	675	799	908	945	962	964	957	954	956	958	960	963	969	976
40	51.8	54.7	74.1	136	240	357	478	596	679	751	812	859	888	899	902	899	895	903	911
45	59.3	59.4	63.4	68.2	76.4	96.4	132	188	316	457	598	729	807	830	834	827	814	823	834
50	58.2	58.5	59.1	49.9	34.2	28.2	38.3	70.5	190	326	465	597	679	708	719	719	712	724	737
55	48.3	49.1	50.1	44.2	33.3	29.1	35.6	57.3	135	225	320	413	480	520	550	571	587	604	618
60	28.4	30.4	32.8	32.7	30.6	31.5	36.8	48.4	77.1	112	153	199	249	304	357	406	450	472	488
65	4.51	5.80	7.92	11.2	15.8	21.2	27.6	34.9	36.6	41.0	50.3	66.4	102	155	211	268	319	343	360
70	0.44	0.41	0.71	1.46	2.77	4.74	7.49	11.1	11.9	14.9	21.6	33.3	58.1	95.4	135	176	213	235	252
75	1.31	1.23	1.15	0.64	0.00	0.00	0.00	0.80	1.74	4.57	9.97	18.6	35.0	58.5	84.1	110	135	154	169
80	1.83	1.74	1.64	1.49	1.32	1.17	1.07	1.04	0.00	0.00	0.00	0.00	8.83	24.0	41.3	59.7	78.0	92.7	106
85	2.48	2.37	2.25	2.11	1.96	1.81	1.65	1.50	0.15	0.00	0.00	0.00	3.42	9.56	17.0	25.5	34.9	44.7	54.9
90	2.74	2.62	2.48	2.34	2.21	2.07	1.94	1.41	1.66	1.52	1.40	1.30	0.46	0.00	0.00	0.00	1.27	8.64	17.6
95	9.85	10.1	10.5	11.1	11.9	12.7	13.7	14.7	15.4	16.1	17.1	18.3	20.4	23.3	26.2	28.7	30.5	29.9	28.5
100	35.8	36.1	36.4	36.4	36.0	35.9	36.5	37.8	42.1	47.1	52.4	57.7	62.1	65.3	67.9	69.8	70.9	71.3	70.9
105	57.3	57.6	58.4	59.8	62.0	65.0	69.0	74.1	82.7	91.9	101	110	117	121	123	125	126	127	127
110	87.9	90.3	94.2	100	109	118	129	140	151	163	174	183	191	196	200	202	203	204	204
115	157	162	170	180	193	207	221	236	249	261	273	283	291	297	302	304	306	307	307
120	274	281	290	302	317	333	350	366	380	393	404	414	422	427	431	433	435	436	436
125	441	448	456	468	481	495	509	522	533	542	550	557	562	566	569	571	572	574	574
130	626	630	635	641	649	657	664	672	677	681	685	688	690	692	694	695	696	697	698
135	778	778	779	780	782	784	787	789	791	792	793	794	795	795	795	795	796	797	798
140	880	878	877	877	877	877	878	878	878	879	879	879	878	878	877	877	877	878	879
145	954	952	951	949	949	948	948	948	948	948	948	948	947	946	945	945	945	946	947
150	1014	1012	1010	1008	1007	1006	1005	1005	1005	1005	1005	1005	1005	1005	1004	1003	1002	1002	1003
155	1062	1059	1057	1055	1054	1054	1053	1053	1053	1052	1052	1052	1052	1051	1050	1050	1049	1050	1051
160	1099	1096	1094	1093	1092	1092	1091	1091	1091	1091	1090	1090	1090	1089	1089	1088	1088	1089	1090
165	1127	1125	1123	1121	1121	1120	1120	1120	1120	1120	1120	1120	1120	1119	1119	1119	1119	1119	1120
170	1146	1144	1142	1141	1141	1141	1141	1141	1141	1141	1141	1141	1141	1141	1141	1141	1141	1141	1141
175	1157	1155	1153	1152	1152	1152	1152	1152	1152	1153	1153	1153	1154	1154	1154	1154	1154	1154	1154
180	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2021-11-23

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.78V I:0.2148A P:47.873W PF:0.9700 Freq:49.99Hz Lamp Flux:5692.3x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1496*26*77						SERIAL No.:		
MFR.: NLT21-091-03									SUR.:1.49*0.015						Shielding Angle:		

Table--4

UNIT: cd

C(DEC)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
γ (DEC)																			
0	1169	1169	1169	1169	1169	1168	1168	1168	1167	1167	1167	1168	1169	1171	1173				
5	1168	1168	1168	1169	1170	1170	1171	1171	1171	1171	1171	1172	1174	1176	1178				
10	1159	1160	1162	1163	1165	1166	1168	1168	1169	1170	1171	1173	1175	1177	1180				
15	1142	1145	1148	1151	1153	1155	1158	1159	1161	1162	1164	1166	1168	1171	1174				
20	1117	1121	1125	1129	1133	1137	1140	1143	1146	1148	1151	1153	1156	1159	1162				
25	1081	1087	1092	1098	1104	1110	1115	1120	1123	1127	1130	1133	1137	1140	1142				
30	1037	1043	1051	1059	1067	1074	1082	1087	1091	1096	1099	1103	1106	1109	1112				
35	984	993	1002	1011	1020	1029	1037	1043	1048	1052	1056	1060	1063	1067	1069				
40	921	931	941	951	961	971	979	985	991	995	999	1002	1006	1008	1011				
45	844	855	866	877	888	898	906	910	914	916	918	920	922	925	927				
50	748	760	771	782	792	800	806	807	807	806	803	802	802	801	801				
55	629	638	647	657	665	670	673	670	664	657	649	643	640	637	635				
60	498	504	510	517	522	525	524	517	508	498	487	479	473	469	466				
65	371	377	383	388	391	392	389	382	372	362	352	344	339	336	334				
70	264	273	279	283	284	283	281	275	269	263	257	252	250	249	249				
75	182	193	199	202	203	203	201	201	201	200	200	200	201	202	204				
80	118	128	136	140	144	146	149	153	158	162	167	170	173	175	177				
85	65.1	75.1	84.4	92.9	101	108	115	121	127	132	137	140	143	145	147				
90	27.7	38.5	48.7	58.2	67.4	76.1	84.3	91.4	97.8	103	108	112	115	118	119				
95	26.8	24.8	23.3	22.3	21.5	20.9	20.4	20.1	20.0	19.9	19.9	19.8	19.7	19.6	19.6				
100	69.6	67.5	63.7	58.4	52.9	47.6	42.9	41.4	40.8	40.7	41.1	41.3	41.1	41.0	40.9				
105	126	123	118	111	102	93.7	85.3	79.0	73.5	68.8	64.9	61.9	60.0	59.0	58.9				
110	202	199	193	186	177	168	157	146	135	124	114	106	101	96.6	94.3				
115	305	302	297	291	283	274	263	249	234	219	205	194	185	179	174				
120	436	434	430	425	419	411	402	389	375	361	348	336	326	318	310				
125	574	574	573	571	568	564	559	551	542	532	523	514	507	501	496				
130	699	700	700	701	701	701	700	698	695	692	689	686	683	680	678				
135	799	800	802	803	805	806	807	809	810	810	811	811	811	811	810				
140	881	882	884	886	887	889	891	893	895	896	898	899	899	900	899				
145	949	950	952	953	955	956	958	960	962	964	965	967	968	968	968				
150	1006	1007	1009	1010	1011	1012	1014	1015	1017	1019	1021	1022	1023	1024	1024				
155	1053	1054	1056	1057	1058	1059	1061	1062	1064	1065	1067	1068	1069	1069	1070				
160	1091	1092	1093	1095	1096	1097	1098	1099	1101	1102	1103	1104	1105	1105	1106				
165	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1132	1133				
170	1141	1142	1142	1143	1143	1144	1145	1146	1147	1148	1149	1150	1150	1150	1151				
175	1155	1155	1155	1156	1156	1156	1157	1157	1158	1159	1159	1160	1160	1161	1161				
180	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2021-11-23

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks: