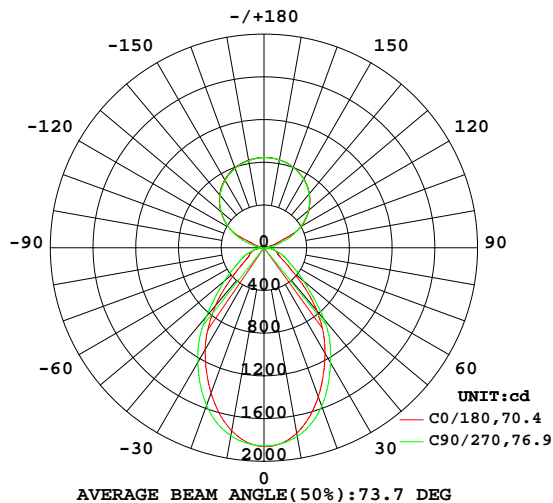


LUMINAIRE PHOTOMETRIC TEST REPORT

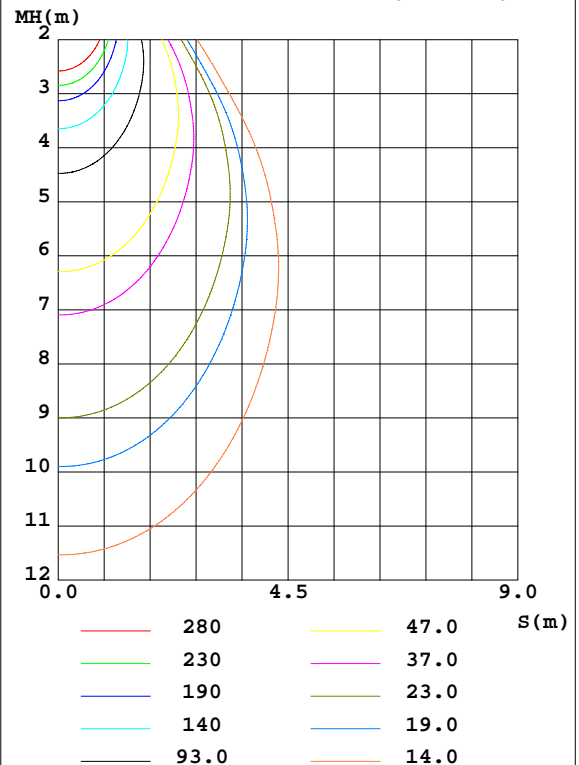
Test:U:229.78V I:0.2140A P:47.695W PF:0.9701 Freq:49.99Hz Lamp Flux:5314.84x1 lm					
NAME:		TYPE:		WEIGHT:	
SPEC.:		DIM.: 1207*45*73		SERIAL No.:	
MFR.: NLT21-091-01		SUR.:1.16*0.037		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 111.43 lm/W
MODEL		Imax(cd)	1862	S/MH(C0/180)	0.98	
NOMINAL POWER(W)	48	LOR(%)	100.0	S/MH(C90/270)	1.05	
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	5314.8	η UP,DN(C0-180)	22.5,27.9	
NOMINAL FLUX(lm)	5314.84	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	22.0,27.6	
LAMPS INSIDE	1	η up(%)	44.5	CIBSE SHR NOM	1.00	
TEST VOLTAGE(V)	230.0	η down(%)	55.5	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:2021-11-22

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:

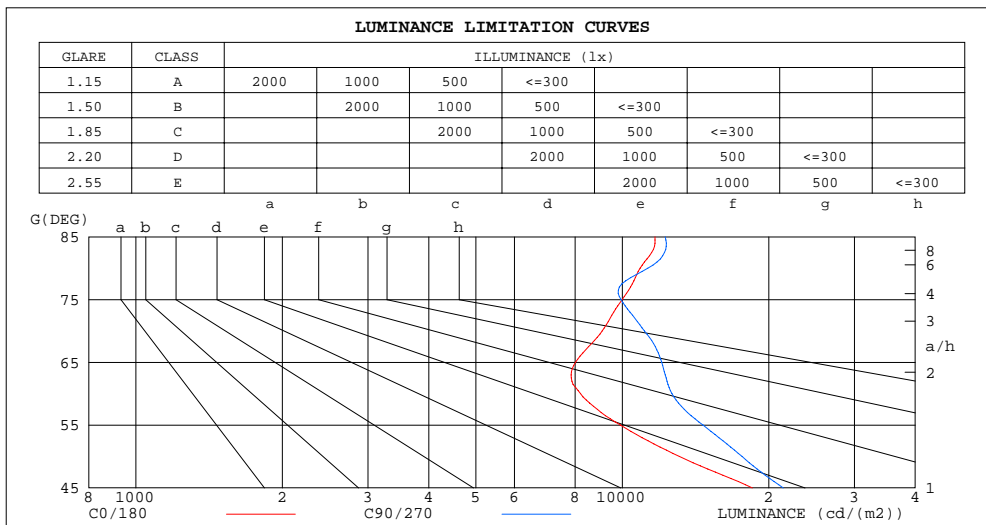
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1763	1779	1793	1760	1740	1761	1787	1771	0- 10	173.0	173.0	3.26,3.26
20	1486	1533	1579	1502	1449	1504	1571	1525	10- 20	465.3	638.3	12.12
30	1143	1195	1245	1163	1102	1161	1240	1188	20- 30	620.6	1259	23.7,23.7
40	767.6	827.9	876.1	784.4	704.9	742.2	840.2	805.6	30- 40	621.2	1880	35.4,35.4
50	361.2	411.4	485.9	410.7	323.5	381.5	483.7	426.3	40- 50	448.6	2329	43.8,43.8
60	176.1	226.7	271.3	238.2	167.6	221.2	274.8	246.4	50- 60	268.1	2597	48.9,48.9
70	133.4	161.3	162.9	154.6	132.3	156.0	164.1	165.8	60- 70	186.0	2783	52.4,52.4
80	81.01	86.66	84.02	78.82	70.79	78.27	81.97	85.69	70- 80	124.0	2907	54.7,54.7
90	3.003	1.636	0.6888	0.6447	0.9511	0.6337	0.6447	1.758	80- 90	43.06	2950	55.5,55.5
100	16.67	14.92	62.12	14.33	16.65	14.44	51.40	16.43	90-100	11.99	2962	55.7,55.7
110	132.3	217.4	221.2	204.3	116.1	194.5	208.6	212.6	100-110	96.15	3058	57.5,57.5
120	404.4	400.8	397.3	379.6	378.2	365.3	377.8	384.1	110-120	282.8	3341	62.9,62.9
130	548.1	546.9	542.9	532.6	526.5	518.0	522.8	533.1	120-130	412.2	3753	70.6,70.6
140	661.2	661.0	657.3	651.7	646.0	638.6	639.7	650.2	130-140	458.7	4212	79.2,79.2
150	745.2	745.8	742.5	739.9	735.4	728.7	728.5	737.2	140-150	436.4	4648	87.5,87.5
160	803.1	803.0	801.1	800.3	797.0	792.1	791.4	797.6	150-160	355.6	5004	94.1,94.1
170	835.9	834.5	833.9	833.9	832.8	829.0	828.4	832.3	160-170	231.1	5235	98.5,98.5
180	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4	170-180	80.02	5315	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:2021-11-22

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:0.2140A P:47.695W PF:0.9701 Freq:49.99Hz Lamp Flux:5314.84x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1207*45*73	SERIAL No.:
MFR.: NLT21-091-01	SUR.:1.16*0.037	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	11668	12251
80	10875	11279
75	9992	9938
70	9091	11105
65	8012	12047
60	8209	12647
55	9913	14653
50	13100	17622
45	18507	21424

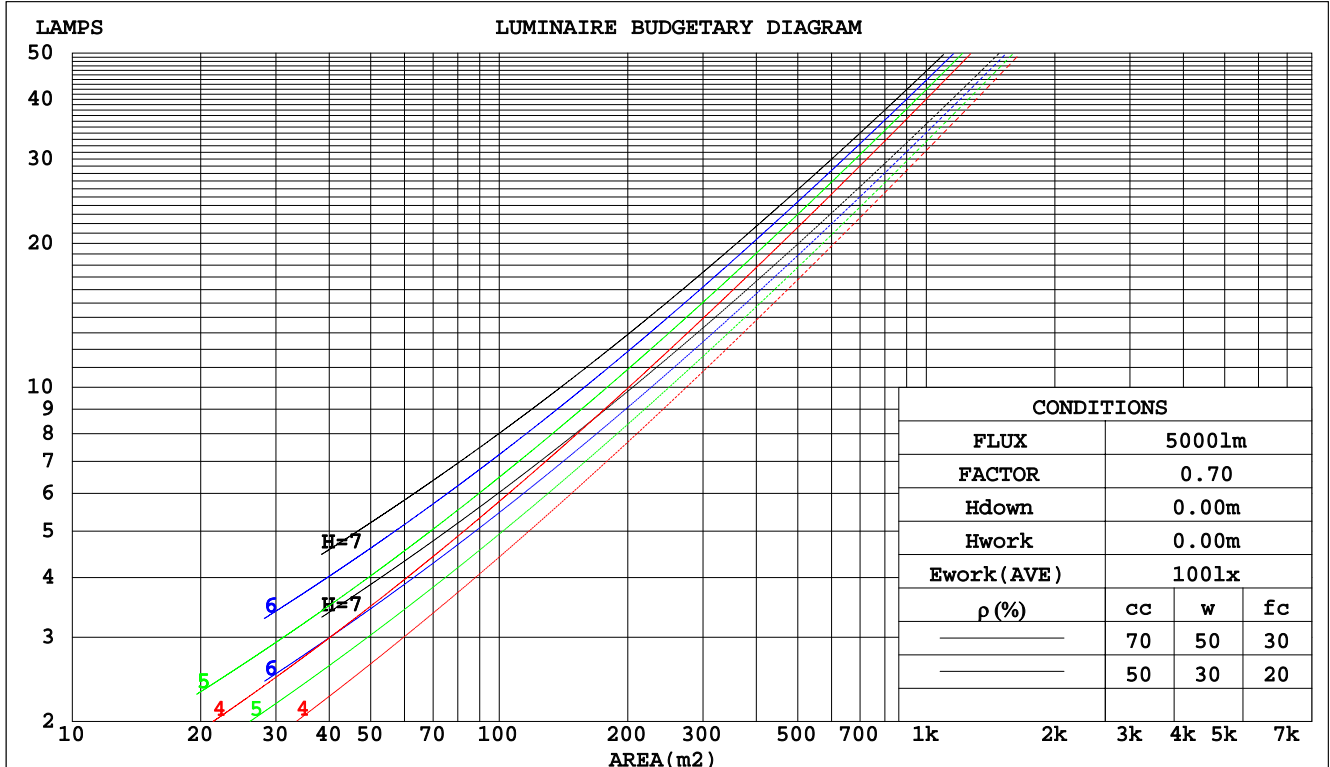
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2021-11-22

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:0.2140A P:47.695W PF:0.9701 Freq:49.99Hz Lamp Flux:5314.84x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1207*45*73	SERIAL No.:
MFR.: NLT21-091-01	SUR.:1.16*0.037	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	1.08	1.08	1.08	1.01	1.01	1.01	.86	.86	.86	.73	.73	.73	.61	.61	.61	.56
1.0	.96	.92	.89	.89	.86	.83	.77	.75	.73	.66	.64	.63	.55	.54	.53	.49
2.0	.85	.79	.75	.79	.75	.70	.69	.65	.62	.59	.57	.54	.50	.48	.47	.42
3.0	.76	.69	.64	.71	.65	.60	.62	.57	.54	.53	.50	.47	.46	.43	.41	.37
4.0	.68	.61	.55	.64	.57	.52	.56	.51	.47	.49	.45	.42	.42	.39	.37	.33
5.0	.61	.54	.48	.58	.51	.46	.51	.46	.41	.44	.40	.37	.38	.35	.33	.30
6.0	.56	.48	.43	.52	.46	.41	.46	.41	.37	.41	.36	.33	.35	.32	.30	.27
7.0	.51	.43	.38	.48	.41	.36	.43	.37	.33	.37	.33	.30	.33	.29	.27	.25
8.0	.47	.39	.34	.44	.37	.33	.39	.34	.30	.35	.30	.27	.30	.27	.25	.22
9.0	.43	.36	.31	.41	.34	.30	.36	.31	.27	.32	.28	.25	.28	.25	.23	.21
10.0	.40	.33	.28	.38	.31	.27	.34	.29	.25	.30	.26	.23	.26	.23	.21	.19



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2021-11-22

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:0.2140A P:47.695W PF:0.9701 Freq:49.99Hz Lamp Flux:5314.84x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1207*45*73	SERIAL No.:
MFR.: NLT21-091-01	SUR.:1.16*0.037	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	.258	.147	.046	.238	.136	.043	.199	.114	.037	.164	.095	.030	.132	.077	.025	
2.0	.240	.132	.040	.222	.122	.038	.187	.104	.032	.155	.087	.027	.126	.071	.022	
3.0	.223	.119	.036	.206	.111	.033	.175	.095	.029	.146	.080	.024	.119	.066	.020	
4.0	.207	.108	.032	.192	.101	.030	.163	.087	.026	.136	.073	.022	.111	.061	.018	
5.0	.193	.099	.029	.179	.092	.027	.153	.080	.023	.128	.068	.020	.105	.056	.017	
6.0	.181	.091	.026	.168	.085	.024	.143	.073	.021	.120	.063	.018	.099	.052	.015	
7.0	.170	.084	.024	.158	.079	.022	.135	.068	.020	.114	.058	.017	.094	.049	.014	
8.0	.159	.078	.022	.148	.073	.021	.127	.064	.018	.107	.054	.016	.089	.046	.013	
9.0	.150	.073	.020	.140	.068	.019	.120	.059	.017	.102	.051	.015	.084	.043	.012	
10.0	.142	.068	.019	.132	.064	.018	.114	.056	.016	.097	.048	.014	.080	.040	.012	

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	.530	.530	.530	.453	.453	.453	.309	.309	.309	.177	.177	.177	.057	.057	.057	
1.0	.519	.498	.480	.444	.428	.413	.303	.294	.286	.175	.170	.166	.056	.055	.054	
2.0	.509	.476	.448	.436	.410	.388	.299	.284	.270	.172	.165	.158	.055	.053	.052	
3.0	.501	.460	.427	.430	.397	.370	.295	.276	.260	.170	.161	.153	.055	.052	.050	
4.0	.494	.448	.412	.424	.387	.358	.292	.270	.252	.169	.158	.149	.054	.051	.049	
5.0	.487	.438	.401	.418	.379	.349	.288	.265	.247	.167	.155	.146	.054	.051	.048	
6.0	.481	.430	.394	.413	.372	.343	.285	.261	.243	.165	.153	.144	.053	.050	.048	
7.0	.475	.424	.388	.409	.367	.338	.282	.258	.239	.164	.152	.143	.053	.050	.047	
8.0	.469	.418	.383	.404	.363	.334	.280	.255	.237	.163	.150	.141	.053	.049	.047	
9.0	.464	.414	.380	.400	.359	.331	.277	.253	.235	.161	.149	.140	.052	.049	.046	
10.0	.459	.410	.377	.396	.356	.329	.275	.251	.234	.160	.148	.140	.052	.049	.046	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2021-11-22

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:0.2140A P:47.695W PF:0.9701 Freq:49.99Hz Lamp Flux:5314.84x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.: 1207*45*73			SERIAL No.:			
MFR.: NLT21-091-01					SUR.:1.16*0.037			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	17.9	18.8	18.7	19.6	20.6	18.0	18.9	18.8	19.6	20.6	
	3H	18.8	19.6	19.6	20.4	21.4	18.9	19.7	19.7	20.5	21.5
	4H	19.3	20.0	20.1	20.9	21.9	19.3	20.1	20.2	20.9	22.0
	6H	19.7	20.4	20.6	21.3	22.3	19.8	20.5	20.6	21.3	22.4
	8H	19.9	20.6	20.8	21.4	22.5	20.0	20.7	20.9	21.5	22.6
	12H	20.1	20.7	20.9	21.6	22.7	20.2	20.8	21.0	21.7	22.8
4H	2H	18.1	18.8	18.9	19.6	20.7	18.1	18.8	18.9	19.7	20.7
	3H	19.3	19.9	20.2	20.8	21.9	19.3	19.9	20.1	20.8	21.9
	4H	19.9	20.5	20.8	21.4	22.5	19.9	20.5	20.8	21.4	22.5
	6H	20.5	21.0	21.4	21.9	23.1	20.5	21.0	21.4	21.9	23.1
	8H	20.8	21.3	21.7	22.2	23.4	20.8	21.3	21.7	22.2	23.4
	12H	21.0	21.4	22.0	22.4	23.6	21.0	21.5	22.0	22.4	23.6
8H	4H	20.1	20.5	21.0	21.5	22.6	20.1	20.6	21.0	21.5	22.7
	6H	20.9	21.3	21.9	22.2	23.4	20.9	21.3	21.9	22.2	23.4
	8H	21.3	21.6	22.3	22.6	23.8	21.3	21.6	22.3	22.6	23.8
	12H	21.6	21.9	22.6	22.9	24.2	21.7	21.9	22.6	22.9	24.2
12H	4H	20.1	20.5	21.0	21.4	22.6	20.1	20.5	21.0	21.5	22.6
	6H	21.0	21.3	21.9	22.2	23.5	20.9	21.3	21.9	22.2	23.5
	8H	21.4	21.7	22.4	22.7	23.9	21.4	21.7	22.4	22.7	23.9
Variations with the observer position at spacings:											
S = 1.0H	+ 0.4 / - 0.5					+ 0.4 / - 0.4					
1.5H	+ 0.3 / - 0.6					+ 0.5 / - 0.5					
2.0H	+ 0.5 / - 0.9					+ 0.9 / - 0.6					

CIE Pub.117, 5315 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 5.8$)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2021-11-22

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:0.2140A P:47.695W PF:0.9701 Freq:49.99Hz Lamp Flux:5314.84x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1207*45*73	SERIAL No.:
MFR.: NLT21-091-01	SUR.:1.16*0.037	Shielding Angle:

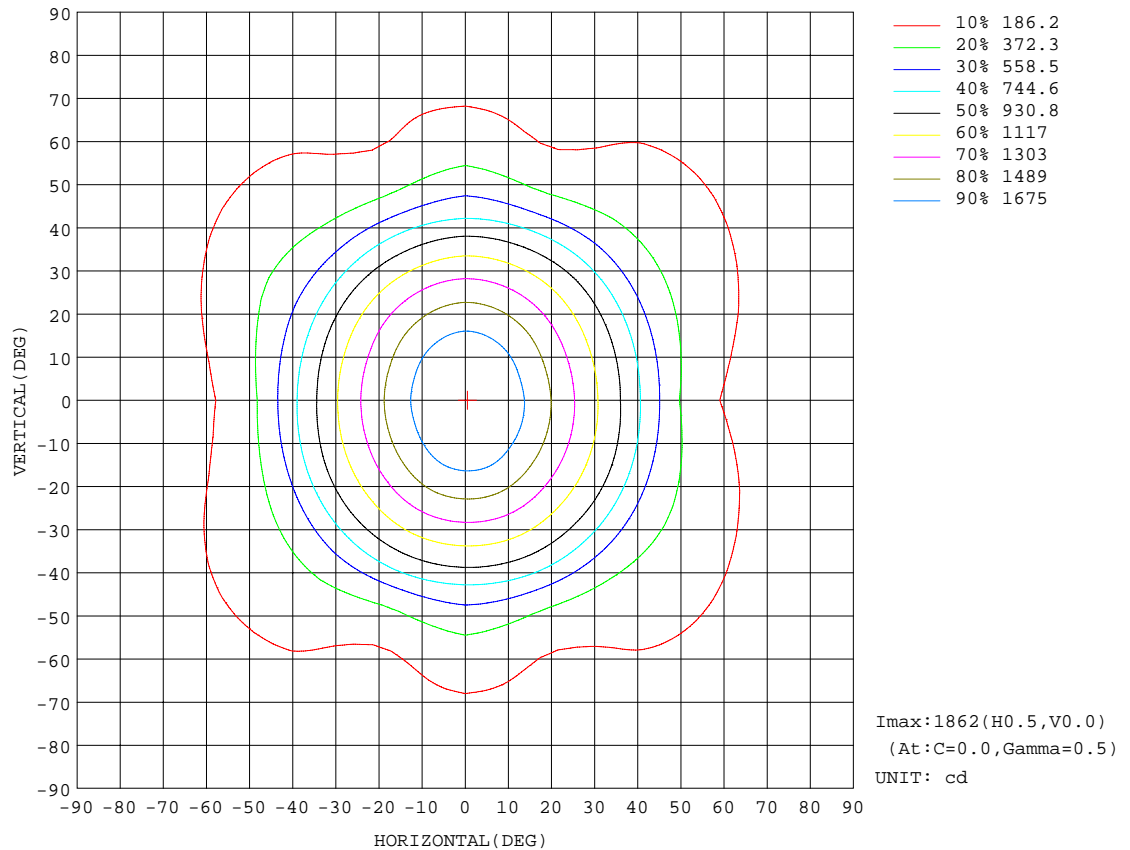
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	52	42	36	50	41	36	46	38	34	27
0.80	61	51	45	58	49	43	53	45	41	32
1.00	68	58	52	65	56	50	58	52	46	36
1.25	74	65	58	70	62	56	63	56	52	39
1.50	79	70	63	74	66	61	66	60	56	41
2.00	85	77	71	80	73	68	70	65	61	44
2.50	89	82	76	83	77	72	73	68	65	46
3.00	92	85	80	86	80	76	75	71	68	47
4.00	96	90	86	89	85	81	78	74	72	49
5.00	98	94	89	92	88	84	79	76	74	50
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:2021-11-22

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:0.2140A P:47.695W PF:0.9701 Freq:49.99Hz Lamp Flux:5314.84x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1207*45*73	SERIAL No.:
MFR.: NLT21-091-01	SUR.:1.16*0.037	Shielding Angle:

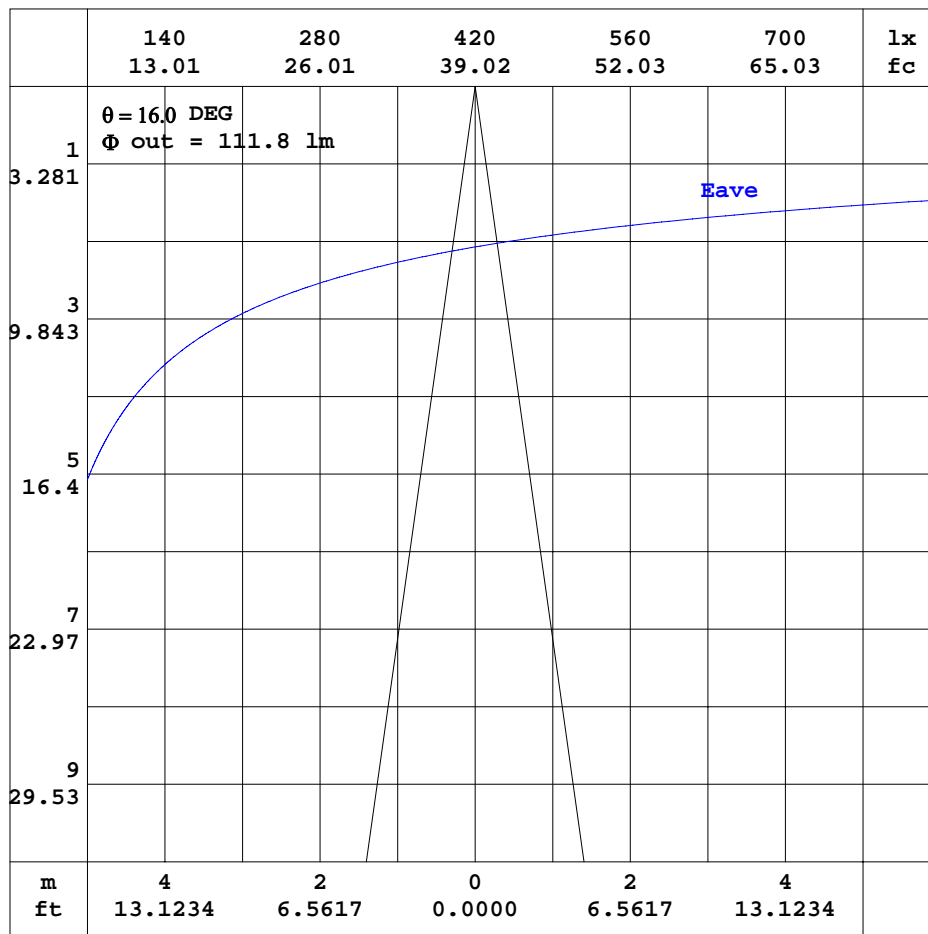


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-11-22

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:0.2140A P:47.695W PF:0.9701 Freq:49.99Hz Lamp Flux:5314.84x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1207*45*73	SERIAL No.:
MFR.: NLT21-091-01	SUR.:1.16*0.037	Shielding Angle:



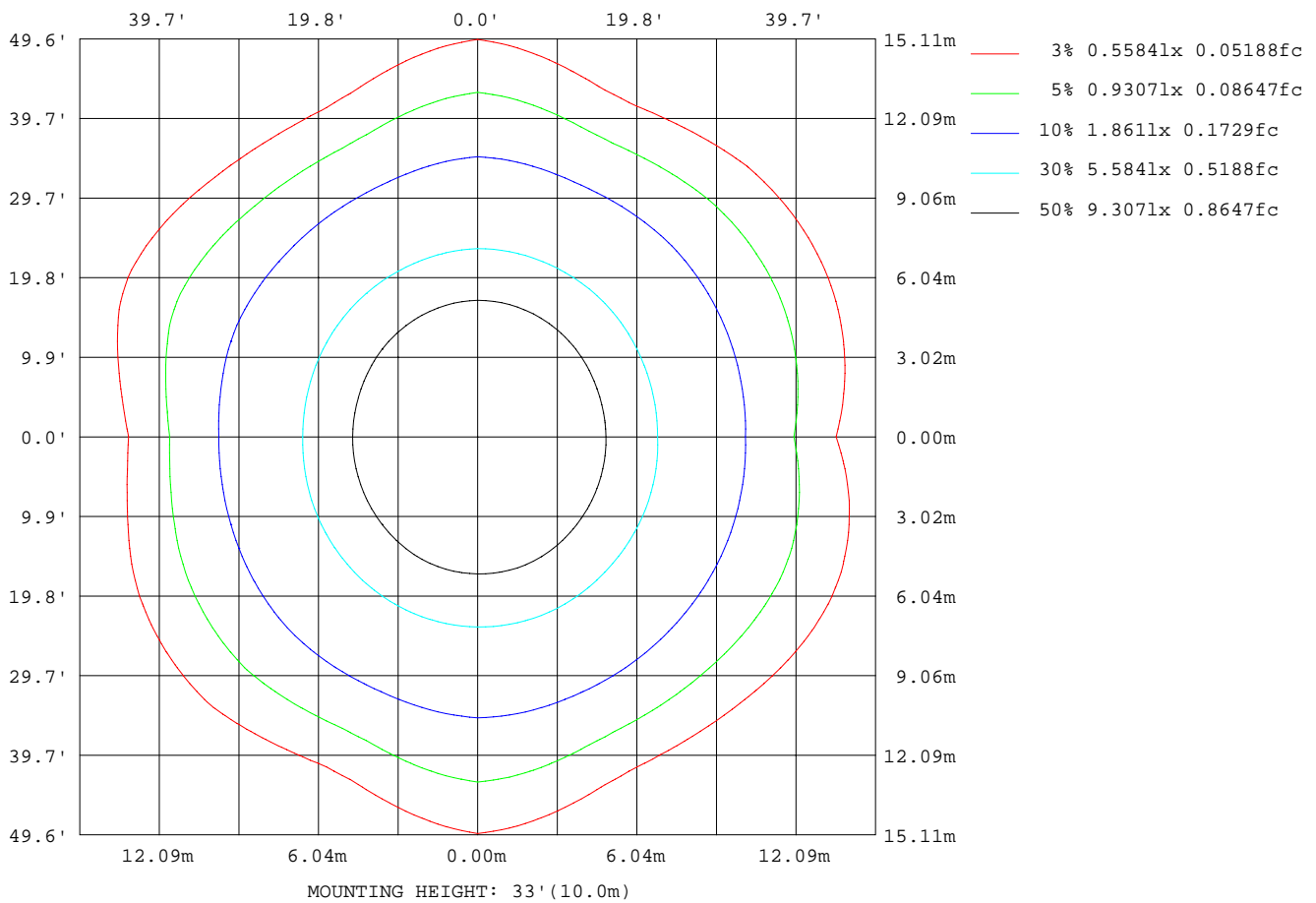
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2021-11-22

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:0.2140A P:47.695W PF:0.9701 Freq:49.99Hz Lamp Flux:5314.84x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1207*45*73	SERIAL No.:
MFR.: NLT21-091-01	SUR.:1.16*0.037	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2021-11-22

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:0.2140A P:47.695W PF:0.9701 Freq:49.99Hz Lamp Flux:5314.84x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1207*45*73	SERIAL No.:
MFR.: NLT21-091-01	SUR.:1.16*0.037	Shielding Angle:

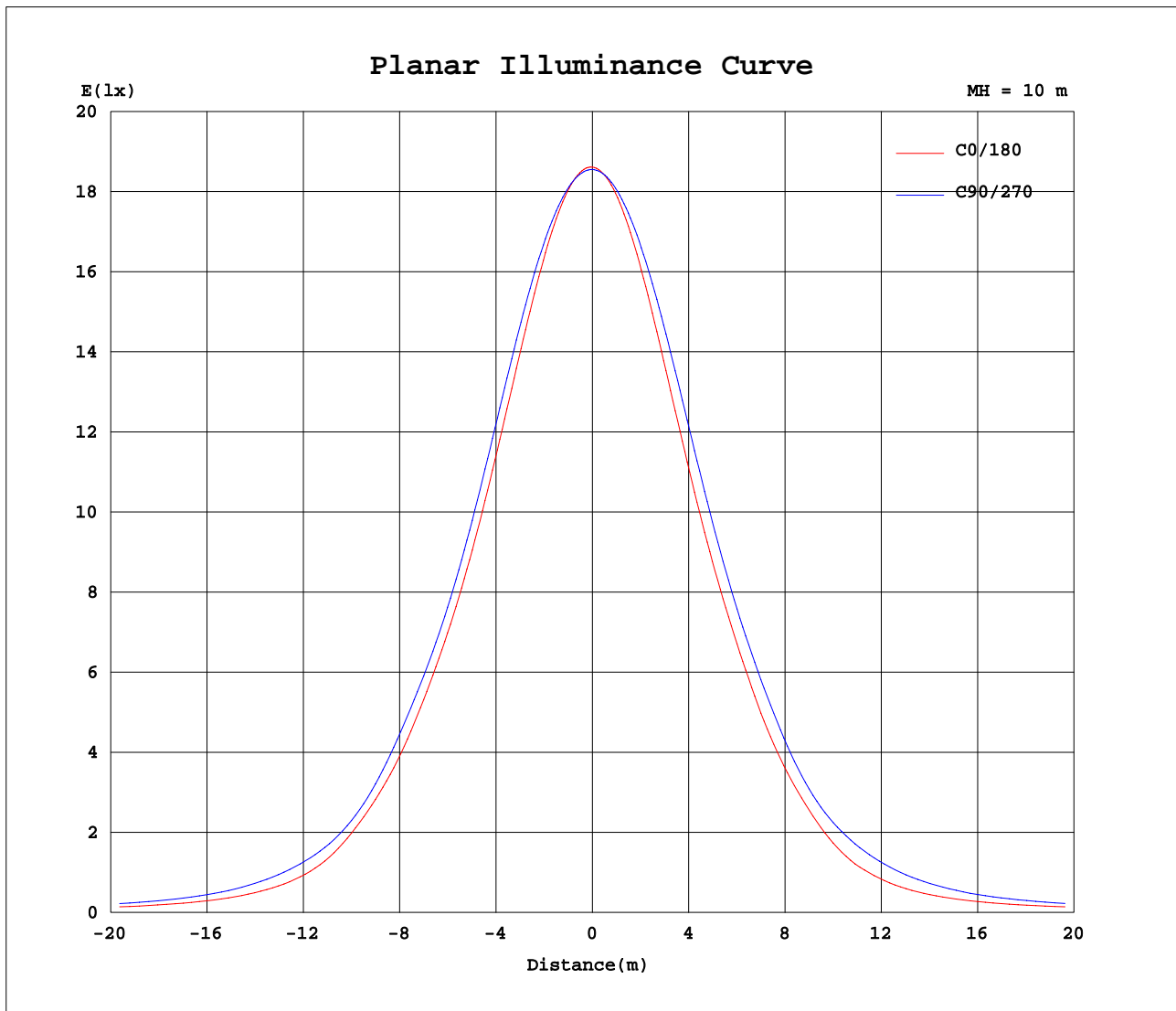
AvgL	cd/m2
L_0~180(65)av	8125
L_0~180(75)av	9750
L_0~180(85)av	9470
L_90~270(65)av	12160
L_90~270(75)av	9942
L_90~270(85)av	12406
L_45(65)av	10778
L_45(75)av	10808
L_45(85)av	10116

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2021-11-22

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: 2021-11-22

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:0.2140A P:47.695W PF:0.9701 Freq:49.99Hz Lamp Flux:5314.84x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1207*45*73	SERIAL No.:
MFR.: NLT21-091-01	SUR.:1.16*0.037	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	1861	1861	1860	1860	1859	1859	1859	1858	1858	1858	1857	1857	1857	1857	1856	1856	1856	1856	1855
5	1839	1839	1839	1840	1840	1840	1840	1840	1840	1841	1841	1842	1843	1843	1843	1843	1843	1842	1841
10	1763	1764	1765	1767	1768	1770	1772	1774	1777	1779	1783	1786	1789	1792	1794	1795	1795	1794	1793
15	1641	1643	1645	1647	1651	1655	1659	1664	1669	1675	1682	1689	1695	1701	1705	1707	1708	1708	1707
20	1486	1488	1491	1495	1500	1505	1511	1518	1525	1533	1543	1553	1562	1570	1576	1579	1581	1581	1579
25	1315	1318	1321	1326	1331	1337	1344	1351	1359	1368	1379	1390	1400	1409	1416	1419	1420	1420	1418
30	1143	1146	1150	1155	1160	1166	1172	1179	1186	1195	1205	1216	1226	1236	1242	1245	1247	1246	1245
35	968	975	981	988	994	1001	1006	1012	1019	1026	1036	1046	1055	1064	1071	1075	1077	1077	1076
40	768	774	781	788	795	801	807	814	821	828	838	848	857	866	872	876	878	878	876
45	561	565	568	571	575	578	582	586	590	595	602	609	617	624	632	639	645	649	650
50	361	384	403	417	427	431	429	424	418	411	406	403	401	403	415	436	457	474	486
55	244	275	299	317	329	331	325	315	303	290	280	272	267	266	278	301	325	346	361
60	176	207	232	250	262	265	261	252	240	227	214	203	194	190	198	218	239	258	271
65	145	170	190	204	214	218	216	210	202	192	181	171	162	157	162	177	194	208	218
70	133	144	153	160	165	167	167	166	164	161	158	154	151	149	150	154	158	161	163
75	111	113	116	118	120	121	123	124	125	125	126	126	126	125	123	119	116	113	110
80	81.0	83.3	85.1	86.6	87.6	88.1	88.1	87.8	87.3	86.7	86.2	85.7	85.2	84.7	84.5	84.4	84.4	84.3	84.0
85	43.6	44.5	45.1	45.4	45.4	44.9	44.0	43.0	42.1	41.5	42.2	43.2	44.4	45.5	46.3	46.5	46.6	46.3	45.8
90	3.00	2.92	2.82	2.70	2.57	2.41	2.23	2.03	1.84	1.64	1.44	1.25	1.07	0.92	0.81	0.75	0.72	0.70	0.69
95	11.3	11.1	11.0	10.8	10.5	10.2	9.94	9.59	9.19	8.74	7.78	6.91	6.27	5.99	6.98	9.15	11.4	13.4	14.9
100	16.7	16.4	16.1	15.9	15.7	14.9	13.6	13.0	13.3	14.9	21.4	28.9	37.0	44.9	51.2	55.4	58.6	60.8	62.1
105	36.8	36.7	37.8	40.3	43.9	48.9	55.2	62.7	71.4	81.1	94.6	108	121	133	139	141	141	140	137
110	132	125	121	122	128	140	159	179	199	217	223	226	227	226	225	224	224	223	221
115	262	269	277	283	290	296	302	307	312	315	316	316	316	315	314	314	313	313	312
120	404	402	400	399	398	398	398	399	400	401	400	400	399	399	398	398	398	398	397
125	481	479	477	476	475	475	475	476	477	477	477	477	476	475	475	474	474	473	473
130	548	546	545	544	544	544	545	545	546	547	546	546	545	544	544	544	544	543	543
135	608	607	606	606	606	606	606	607	608	608	608	607	606	606	605	605	605	605	604
140	661	660	660	659	659	659	660	660	661	661	661	660	660	659	659	658	658	658	657
145	707	706	706	706	706	706	706	706	707	707	707	706	706	705	705	704	704	704	703
150	745	745	745	744	744	745	745	745	746	746	746	745	745	744	744	743	743	743	743
155	777	777	777	776	776	777	777	777	778	778	778	777	777	776	776	776	775	775	775
160	803	803	802	802	802	802	802	803	803	803	803	802	802	802	801	801	801	801	801
165	823	822	822	821	821	821	821	822	822	822	822	821	821	821	821	820	820	820	820
170	836	835	835	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834
175	844	843	842	842	842	842	842	842	842	842	842	842	842	842	842	842	842	842	842
180	845	845	845	845	845	845	845	845	845	845	845	845	845	845	845	845	845	845	845

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2021-11-22

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:0.2140A P:47.695W PF:0.9701 Freq:49.99Hz Lamp Flux:5314.84x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1207*45*73					SERIAL No.:				
MFR.: NLT21-091-01									SUR.:1.16*0.037					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	1855	1855	1855	1854	1854	1854	1854	1854	1854	1853	1853	1852	1852	1853	1855	1858	1860	1861	1862
5	1841	1840	1839	1838	1836	1835	1833	1831	1829	1827	1825	1824	1823	1823	1824	1825	1826	1828	1827
10	1792	1790	1788	1785	1781	1776	1771	1765	1760	1755	1750	1746	1743	1741	1740	1740	1740	1740	1740
15	1705	1702	1697	1692	1685	1677	1667	1658	1649	1640	1632	1625	1619	1615	1612	1610	1610	1609	1609
20	1577	1573	1568	1561	1551	1540	1528	1515	1502	1491	1481	1472	1464	1458	1454	1451	1450	1449	1449
25	1416	1412	1406	1399	1389	1376	1363	1349	1335	1324	1313	1303	1295	1288	1283	1279	1277	1276	1275
30	1242	1238	1232	1225	1215	1203	1190	1177	1163	1153	1143	1133	1125	1118	1112	1107	1104	1102	1102
35	1072	1067	1060	1052	1042	1031	1019	1007	994	983	972	961	951	940	929	919	912	906	907
40	872	866	859	849	838	826	812	798	784	771	758	746	735	726	718	713	708	705	703
45	641	630	617	604	594	587	581	575	569	559	548	537	527	517	507	499	494	492	499
50	468	445	419	395	384	388	395	403	411	407	401	393	383	369	354	339	329	324	341
55	341	316	289	263	255	263	276	290	303	304	302	297	289	276	258	242	229	221	240
60	253	230	205	183	177	189	204	222	238	244	246	244	240	228	210	192	177	168	184
65	204	185	165	148	144	154	167	182	196	202	206	207	205	196	183	170	158	149	159
70	158	151	144	139	137	140	145	150	155	158	160	161	161	157	151	144	137	132	134
75	111	113	115	117	118	117	116	115	114	114	114	114	113	112	110	108	107	106	106
80	83.1	82.1	81.0	80.0	79.4	79.3	79.2	79.0	78.8	78.0	77.1	76.1	75.1	74.0	72.8	71.8	71.1	70.8	71.8
85	44.8	43.5	42.0	40.5	38.8	37.2	35.6	34.2	32.8	31.8	31.0	30.4	29.8	29.1	28.4	27.9	27.4	27.2	27.4
90	0.67	0.66	0.65	0.65	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.65	0.67	0.69	0.70	0.95	0.70
95	13.5	11.5	9.29	7.16	6.20	6.51	7.17	8.03	8.96	9.34	9.63	9.85	10.0	10.0	10.0	9.92	9.84	9.77	9.90
100	63.0	62.8	61.3	58.3	51.8	42.3	32.3	22.7	14.3	12.4	12.2	13.1	14.7	15.8	16.1	16.3	16.5	16.7	16.6
105	137	136	134	130	122	111	98.4	85.3	72.2	61.3	51.4	42.5	34.9	29.6	26.5	24.7	24.0	24.2	23.7
110	220	218	217	215	215	215	214	211	204	185	163	141	121	110	108	109	112	116	112
115	310	309	307	305	303	300	298	295	292	290	287	284	280	277	272	268	265	263	265
120	396	394	392	390	388	386	384	382	380	376	373	369	367	367	370	373	376	378	376
125	472	471	469	468	466	465	464	462	461	457	454	451	448	448	450	453	455	457	454
130	542	541	539	538	537	536	535	534	533	530	527	525	523	522	523	524	526	526	525
135	603	602	601	600	599	599	598	597	596	595	593	591	589	588	589	590	590	590	589
140	657	656	655	655	654	654	653	652	652	650	649	647	646	645	646	646	646	646	645
145	703	702	702	701	701	701	700	700	699	698	697	696	695	695	695	695	695	695	694
150	742	742	742	741	741	741	741	740	740	739	738	737	737	736	736	736	736	735	734
155	775	775	774	774	774	774	774	774	774	773	772	771	771	770	770	770	769	769	768
160	801	801	800	800	800	800	800	800	800	800	799	799	798	798	798	798	797	797	796
165	820	820	820	820	820	820	820	820	820	820	820	819	819	819	819	819	819	818	817
170	834	834	834	834	834	834	834	834	834	834	834	833	833	833	833	833	833	833	832
175	842	842	842	842	842	842	842	842	842	842	842	842	842	842	842	842	842	842	841
180	845	845	845	845	845	845	845	845	845	845	845	845	845	845	845	845	845	845	845

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2021-11-22

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:0.2140A P:47.695W PF:0.9701 Freq:49.99Hz Lamp Flux:5314.84x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1207*45*73					SERIAL No.:				
MFR.: NLT21-091-01									SUR.:1.16*0.037					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	1861	1860	1860	1859	1859	1858	1858	1858	1857	1857	1857	1857	1856	1856	1856	1856	1855	1855	1855
5	1827	1827	1826	1827	1828	1829	1830	1831	1832	1833	1834	1834	1835	1836	1837	1837	1838	1838	1837
10	1740	1741	1742	1744	1748	1752	1756	1761	1765	1768	1772	1775	1778	1781	1783	1785	1787	1786	1785
15	1610	1611	1614	1619	1625	1633	1641	1649	1657	1663	1670	1676	1682	1688	1693	1696	1699	1698	1696
20	1450	1452	1456	1462	1471	1482	1492	1504	1514	1523	1532	1541	1549	1557	1563	1568	1571	1571	1568
25	1277	1279	1284	1291	1301	1312	1324	1336	1347	1358	1369	1378	1388	1396	1403	1409	1413	1412	1409
30	1104	1107	1112	1119	1128	1139	1150	1161	1172	1182	1193	1203	1212	1222	1229	1235	1240	1239	1236
35	910	916	923	931	939	949	958	969	978	988	998	1008	1019	1031	1042	1051	1058	1057	1055
40	703	704	707	711	717	724	733	742	754	766	778	790	803	814	825	834	840	840	838
45	510	521	532	538	539	538	537	537	541	547	554	563	577	594	611	625	636	631	622
50	362	385	406	414	410	402	392	381	375	370	369	372	388	415	442	466	484	469	449
55	263	287	309	318	312	302	290	277	267	259	254	254	267	293	319	343	360	344	322
60	205	227	248	257	253	244	233	221	210	200	193	190	199	220	241	261	275	259	239
65	171	185	198	205	204	200	195	189	181	173	168	165	171	185	200	213	223	209	193
70	138	142	147	151	153	154	155	156	156	155	155	154	156	158	161	163	164	160	155
75	106	107	108	110	112	114	116	118	120	122	123	124	122	119	116	113	110	113	116
80	73.0	74.5	76.0	77.0	77.4	77.7	78.0	78.3	78.9	79.6	80.3	80.9	81.3	81.5	81.6	81.8	82.0	82.6	83.3
85	27.8	28.3	28.9	29.5	30.0	30.6	31.3	32.2	33.4	34.7	36.2	37.9	39.8	41.8	43.8	45.6	47.0	47.0	46.7
90	0.68	0.66	0.64	0.63	0.63	0.63	0.63	0.63	0.64	0.64	0.64	0.64	0.64	0.63	0.62	0.63	0.64	0.68	0.74
95	10.0	10.2	10.3	10.2	10.1	9.85	9.54	9.15	8.50	7.83	7.21	6.69	6.56	6.80	7.13	7.46	7.72	7.33	6.88
100	16.4	16.2	16.0	15.1	13.8	13.0	13.1	14.4	20.6	27.7	35.2	42.4	47.1	49.3	50.6	51.2	51.4	53.4	54.9
105	24.1	25.5	28.2	32.9	39.6	47.7	56.8	66.8	79.1	91.4	103	114	121	123	125	125	125	127	130
110	110	108	110	120	138	157	177	195	200	203	203	203	203	204	206	207	209	210	212
115	268	271	275	277	279	280	280	281	283	285	287	289	291	292	294	296	297	298	299
120	373	370	367	365	364	364	364	365	367	369	371	373	375	376	376	377	378	380	381
125	452	449	446	444	444	444	445	446	447	448	449	451	451	452	452	453	454	455	457
130	522	520	518	517	516	517	517	518	519	519	520	521	521	521	522	522	523	524	526
135	587	585	583	582	582	582	582	582	583	583	583	584	584	584	584	585	585	586	588
140	643	641	640	639	639	638	638	639	639	639	639	639	639	639	639	639	640	641	642
145	692	691	690	689	688	688	687	687	687	688	688	688	688	688	688	687	687	688	690
150	733	732	731	730	730	729	729	729	729	729	729	730	729	729	729	728	728	729	731
155	767	767	766	765	765	764	764	764	764	764	764	764	764	764	763	763	763	764	765
160	795	794	794	793	793	792	792	792	792	792	792	792	792	792	792	791	791	792	793
165	817	816	815	814	814	814	814	814	814	814	814	814	814	813	813	813	813	813	814
170	831	831	830	829	829	829	829	829	829	829	829	829	829	829	829	828	828	829	829
175	840	840	839	839	839	838	839	839	839	839	839	839	839	839	839	839	839	839	839
180	845	845	845	845	845	845	845	845	845	845	845	845	845	845	845	845	845	845	845

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2021-11-22

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:0.2140A P:47.695W PF:0.9701 Freq:49.99Hz Lamp Flux:5314.84x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1207*45*73						SERIAL No.:		
MFR.: NLT21-091-01									SUR.:1.16*0.037						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	1855	1854	1854	1854	1854	1854	1854	1853	1853	1852	1852	1853	1854	1856	1859				
5	1837	1836	1836	1836	1835	1835	1834	1833	1832	1831	1830	1831	1832	1834	1836				
10	1784	1782	1780	1778	1776	1774	1771	1768	1764	1761	1758	1757	1757	1758	1760				
15	1693	1690	1686	1681	1676	1671	1666	1659	1653	1647	1641	1638	1637	1637	1638				
20	1565	1559	1554	1547	1540	1533	1525	1516	1507	1498	1491	1486	1483	1482	1483				
25	1405	1399	1393	1385	1377	1369	1360	1350	1340	1331	1323	1317	1314	1312	1313				
30	1232	1226	1220	1213	1205	1197	1188	1178	1169	1160	1153	1147	1143	1142	1141				
35	1050	1044	1038	1033	1027	1021	1014	1006	998	991	984	978	974	971	969				
40	834	829	824	820	815	811	806	800	794	788	783	778	775	772	769				
45	611	600	593	591	590	589	589	586	583	579	576	572	569	567	564				
50	425	403	393	398	406	416	426	430	432	432	429	422	412	398	381				
55	298	275	266	274	285	299	312	318	322	323	321	314	302	287	267				
60	217	197	192	202	216	231	246	254	259	261	259	252	239	223	202				
65	175	160	156	165	177	191	204	212	217	219	218	212	202	187	168				
70	150	146	146	150	155	160	166	169	172	173	172	169	164	156	146				
75	120	123	125	125	124	123	122	123	124	124	124	123	121	119	115				
80	84.1	84.8	85.3	85.5	85.7	85.7	85.7	85.6	85.5	85.2	84.7	84.0	83.2	82.2					
85	46.2	45.5	45.1	45.0	45.0	44.9	44.9	44.6	44.3	43.9	43.7	43.5	43.4	43.4	43.5				
90	0.81	0.91	1.04	1.20	1.38	1.56	1.76	1.95	2.14	2.33	2.50	2.65	2.76	2.86	2.94				
95	6.44	6.09	6.15	6.61	7.21	7.87	8.56	9.03	9.47	9.86	10.2	10.5	10.8	11.0	11.2				
100	55.4	54.6	50.0	41.8	32.9	24.2	16.4	14.3	13.5	13.8	14.8	15.5	15.6	15.8	16.2				
105	131	130	124	114	103	91.2	79.5	71.5	64.4	58.2	52.8	48.2	44.2	41.0	38.5				
110	213	214	216	218	219	217	213	195	176	156	138	126	121	121	124				
115	300	301	301	302	302	302	301	300	298	295	292	288	282	276	270				
120	383	384	385	385	385	384	384	384	385	386	387	389	392	395	400				
125	459	460	461	462	462	462	463	463	464	465	466	468	471	474	477				
130	528	529	530	531	532	533	533	534	535	536	537	538	540	543	545				
135	589	591	592	593	594	595	596	597	598	599	600	601	603	605	606				
140	644	645	646	647	648	649	650	651	653	654	655	656	657	659	660				
145	691	692	694	695	695	696	697	698	700	701	702	703	704	705	706				
150	732	733	734	735	736	736	737	738	740	741	742	743	744	744	745				
155	766	767	768	768	769	770	771	772	773	774	775	776	776	777	777				
160	794	794	795	796	796	797	798	798	799	800	801	802	802	803	803				
165	815	815	816	816	817	817	818	819	819	820	821	821	822	822	822				
170	830	830	831	831	831	832	832	833	833	834	834	835	835	835	836				
175	840	840	840	840	841	841	841	842	842	842	843	843	843	843	844				
180	845	845	845	845	845	845	845	845	845	845	845	845	845	845	845				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2021-11-22

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: