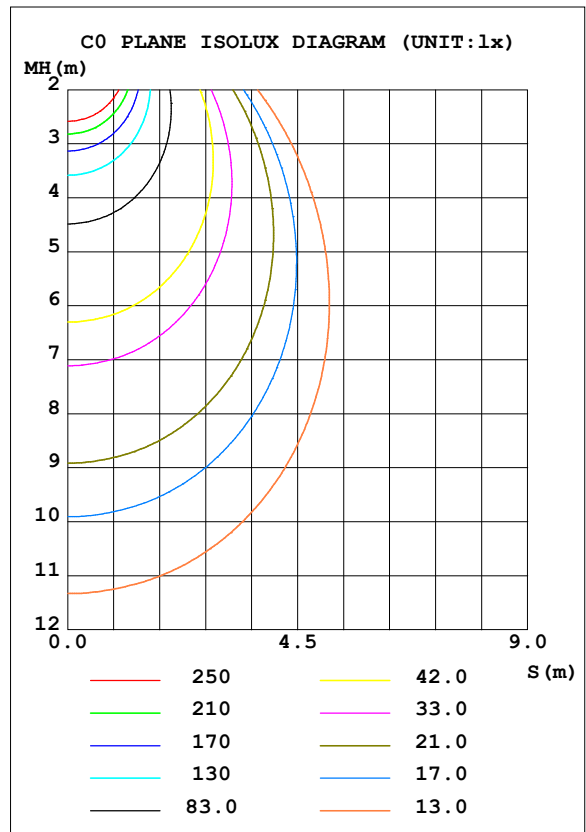
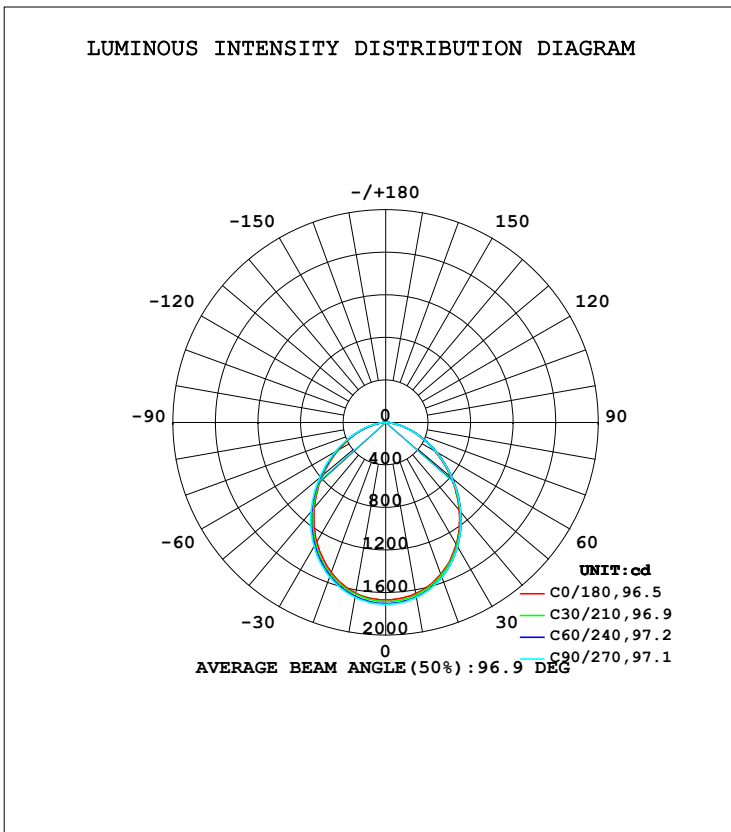


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.54V I:0.1812A P:40.649W PF:0.9711 Freq:50.00Hz Lamp Flux:4018.56x1 lm		
NAME: COI LED Downlight	TYPE:With external driver	WEIGHT:1.3 KGS
SPEC.:8 inch	DIM.: Dia.252*H66mm	SERIAL No.:BLD20191109P02
MFR.: Nedlands Group	SUR.:3.14*0.096*0.096	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	CDL40W-NW	Imax (cd)	1711	S/MH (C0/180)	1.17
NOMINAL POWER (W)	40	LOR (%)	100.0	S/MH (C90/270)	1.18
RATED VOLTAGE (V)	230.0	TOTAL FLUX (lm)	4018.6	η UP, DN (C0-180)	0.0,50.1
NOMINAL FLUX (lm)	4018.56	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0,49.9
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	230	η down (%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HUA
 Test Date:2019-11-09

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:8.383m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

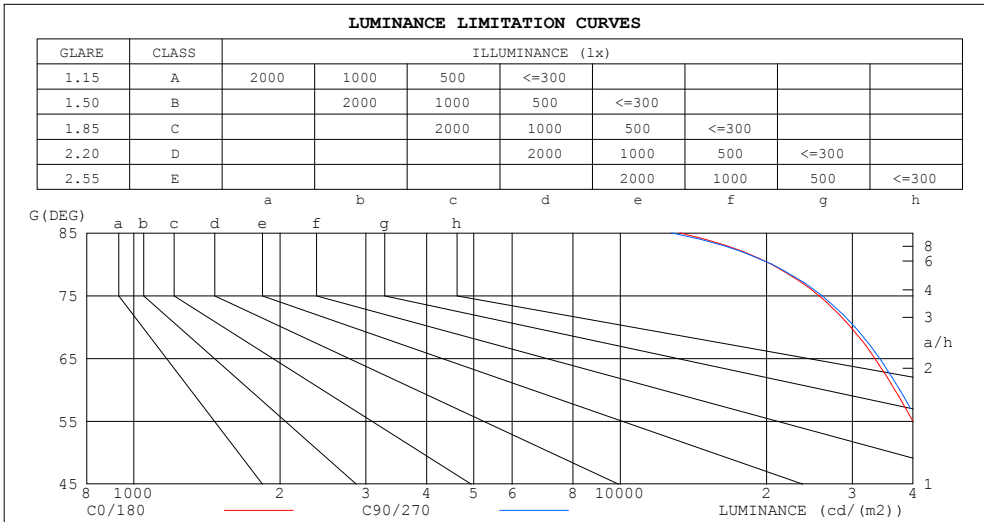
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1634	1659	1670	1662	1628	1656	1669	1670	0- 10	160.1	160.1	3.98,3.98
20	1517	1539	1548	1537	1499	1531	1545	1549	10- 20	452.3	612.4	15.2,15.2
30	1325	1345	1351	1337	1298	1331	1347	1352	20- 30	664.2	1277	31.8,31.8
40	1076	1094	1096	1081	1045	1078	1093	1097	30- 40	759.2	2036	50.7,50.7
50	800.4	816.7	816.0	801.2	773.1	800.9	814.2	817.6	40- 50	729.3	2765	68.8,68.8
60	530.8	546.1	543.5	531.0	510.4	531.4	542.7	545.1	50- 60	598.2	3363	83.7,83.7
70	294.7	305.8	300.8	292.2	280.5	290.6	300.2	302.6	60- 70	408.9	3772	93.9,93.9
80	102.9	107.0	103.1	98.34	92.81	95.64	101.7	105.2	70- 80	204.5	3977	99,99
90	3.389	3.472	3.300	3.267	3.372	3.461	3.475	3.483	80- 90	41.76	4019	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HUA
 Test Date:2019-11-09

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:8.383m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.54V I:0.1812A P:40.649W PF:0.9711 Freq:50.00Hz Lamp Flux:4018.56x1 lm		
NAME: COI LED Downlight	TYPE:With external driver	WEIGHT:1.3 KGS
SPEC.:8 inch	DIM.: Dia.252*H66mm	SERIAL No.:BLD20191109P02
MFR.: Nedlands Group	SUR.:3.14*0.096*0.096	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	13258	12743
80	20469	20512
75	25608	25995
70	29774	30386
65	33370	34157
60	36681	37562
55	39967	40798
50	43026	43864
45	45927	46811

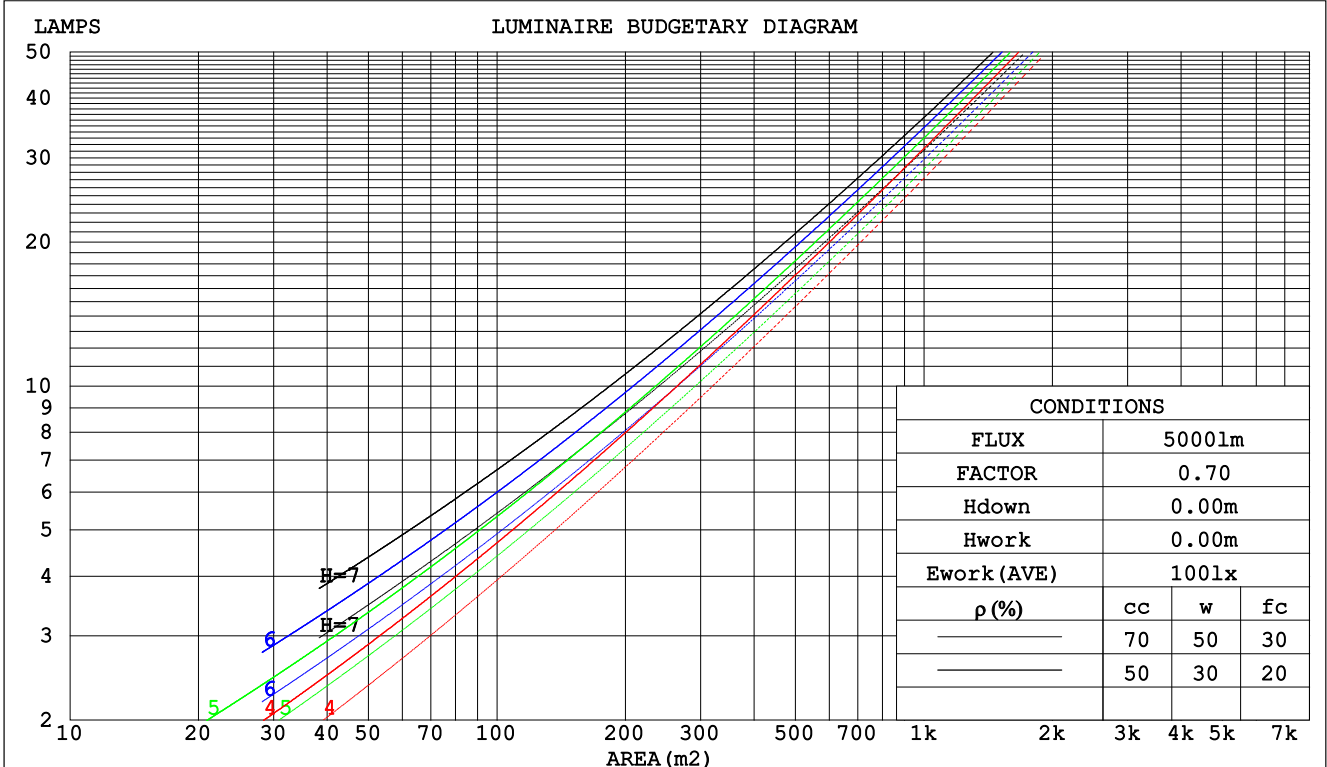
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HUA
 Test Date:2019-11-09

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:8.383m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.54V I:0.1812A P:40.649W PF:0.9711 Freq:50.00Hz Lamp Flux:4018.56x1 lm		
NAME: COI LED Downlight	TYPE:With external driver	WEIGHT:1.3 KGS
SPEC.:8 inch	DIM.: Dia.252*H66mm	SERIAL No.:BLD20191109P02
MFR.: Nedlands Group	SUR.:3.14*0.096*0.096	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.05	1.01	.98	1.03	.99	.96	.99	.96	.93	.95	.93	.90	.91	.89	.88	.86
2.0	.93	.86	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.78	.75	.73
3.0	.82	.74	.68	.81	.73	.68	.78	.72	.67	.75	.70	.65	.72	.68	.64	.62
4.0	.73	.65	.59	.72	.64	.58	.69	.63	.57	.67	.61	.57	.65	.60	.56	.54
5.0	.66	.57	.51	.65	.57	.51	.63	.56	.50	.61	.54	.50	.59	.53	.49	.47
6.0	.60	.51	.45	.59	.50	.45	.57	.50	.44	.55	.49	.44	.54	.48	.43	.41
7.0	.54	.46	.40	.53	.45	.40	.52	.45	.39	.50	.44	.39	.49	.43	.39	.37
8.0	.50	.41	.36	.49	.41	.36	.48	.40	.35	.46	.40	.35	.45	.39	.35	.33
9.0	.46	.38	.32	.45	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.32	.30
10.0	.42	.35	.29	.42	.34	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HUA
 Test Date:2019-11-09

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:8.383m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.54V I:0.1812A P:40.649W PF:0.9711 Freq:50.00Hz Lamp Flux:4018.56x1 lm		
NAME: COI LED Downlight	TYPE:With external driver	WEIGHT:1.3 KGS
SPEC.:8 inch	DIM.: Dia.252*H66mm	SERIAL No.:BLD20191109P02
MFR.: Nedlands Group	SUR.:3.14*0.096*0.096	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.282	.160	.051	.275	.157	.050	.262	.150	.048	.250	.144	.046	.239	.138	.045	
2.0	.270	.148	.045	.264	.145	.045	.252	.140	.044	.242	.136	.042	.232	.131	.041	
3.0	.252	.134	.040	.247	.132	.040	.237	.128	.039	.227	.125	.038	.219	.121	.037	
4.0	.235	.122	.036	.230	.120	.036	.221	.117	.035	.213	.114	.034	.205	.111	.034	
5.0	.219	.111	.032	.214	.110	.032	.206	.107	.032	.199	.105	.031	.192	.103	.031	
6.0	.204	.102	.029	.200	.101	.029	.193	.099	.029	.186	.097	.028	.180	.095	.028	
7.0	.191	.094	.027	.187	.093	.027	.181	.091	.026	.175	.090	.026	.169	.088	.026	
8.0	.179	.087	.025	.176	.086	.024	.170	.085	.024	.165	.083	.024	.160	.082	.024	
9.0	.168	.081	.023	.165	.081	.023	.160	.079	.022	.155	.078	.022	.151	.077	.022	
10.0	.158	.076	.021	.156	.075	.021	.151	.074	.021	.147	.073	.021	.143	.072	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.178	.156	.137	.153	.134	.118	.104	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.169	.132	.101	.145	.114	.087	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.161	.114	.077	.138	.098	.067	.095	.068	.047	.055	.040	.028	.018	.013	.009	
4.0	.153	.101	.060	.132	.087	.053	.090	.061	.037	.052	.036	.022	.017	.012	.007	
5.0	.146	.090	.049	.125	.078	.043	.086	.054	.030	.050	.032	.018	.016	.010	.006	
6.0	.139	.082	.041	.119	.071	.035	.082	.049	.025	.048	.029	.015	.015	.010	.005	
7.0	.132	.075	.034	.114	.065	.030	.079	.045	.021	.046	.027	.013	.015	.009	.004	
8.0	.126	.069	.030	.109	.060	.026	.075	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.120	.064	.026	.104	.055	.023	.072	.039	.016	.042	.023	.010	.014	.008	.003	
10.0	.115	.060	.023	.099	.052	.020	.069	.036	.014	.040	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HUA
 Test Date:2019-11-09

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:8.383m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.54V I:0.1812A P:40.649W PF:0.9711 Freq:50.00Hz Lamp Flux:4018.56x1 lm										
NAME: COI LED Downlight					TYPE:With external driver			WEIGHT:1.3 KGS		
SPEC.:8 inch					DIM.: Dia.252*H66mm			SERIAL No.:BLD20191109P02		
MFR.: Nedlands Group					SUR.:3.14*0.096*0.096			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	25.5	26.9	25.8	27.1	27.3	25.6	27.0	25.8	27.2	27.4
3H	26.6	28.0	26.9	28.2	28.4	26.7	28.1	27.0	28.3	28.5
4H	27.0	28.3	27.4	28.6	28.8	27.1	28.4	27.5	28.7	28.9
6H	27.3	28.5	27.6	28.7	29.0	27.4	28.6	27.7	28.8	29.1
8H	27.3	28.5	27.7	28.8	29.0	27.4	28.6	27.8	28.8	29.1
12H	27.3	28.4	27.7	28.7	29.0	27.4	28.5	27.8	28.8	29.1
4H 2H	26.0	27.3	26.3	27.5	27.8	26.1	27.3	26.4	27.6	27.8
3H	27.3	28.4	27.7	28.7	29.0	27.4	28.5	27.8	28.8	29.1
4H	27.8	28.8	28.2	29.2	29.5	27.9	28.9	28.3	29.2	29.6
6H	28.2	29.1	28.6	29.4	29.8	28.3	29.1	28.7	29.5	29.9
8H	28.3	29.1	28.7	29.5	29.8	28.3	29.2	28.7	29.5	29.9
12H	28.3	29.1	28.7	29.4	29.8	28.4	29.1	28.8	29.5	29.9
8H 4H	28.0	28.8	28.4	29.2	29.6	28.1	28.9	28.5	29.3	29.7
6H	28.5	29.2	28.9	29.6	30.0	28.5	29.2	29.0	29.6	30.0
8H	28.6	29.2	29.1	29.6	30.1	28.7	29.3	29.1	29.7	30.1
12H	28.7	29.2	29.2	29.6	30.1	28.7	29.2	29.2	29.7	30.2
12H 4H	28.0	28.8	28.4	29.2	29.6	28.1	28.8	28.5	29.2	29.6
6H	28.5	29.1	29.0	29.5	30.0	28.6	29.2	29.0	29.6	30.0
8H	28.7	29.2	29.1	29.6	30.1	28.7	29.2	29.2	29.7	30.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.4 / - 0.4				

CIE Pub.117, 4019 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.8)
 Area: 0.02894 m2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HUA
 Test Date:2019-11-09

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:8.383m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.54V I:0.1812A P:40.649W PF:0.9711 Freq:50.00Hz Lamp Flux:4018.56x1 lm		
NAME: COI LED Downlight	TYPE:With external driver	WEIGHT:1.3 KGS
SPEC.:8 inch	DIM.: Dia.252*H66mm	SERIAL No.:BLD20191109P02
MFR.: Nedlands Group	SUR.:3.14*0.096*0.096	Shielding Angle:

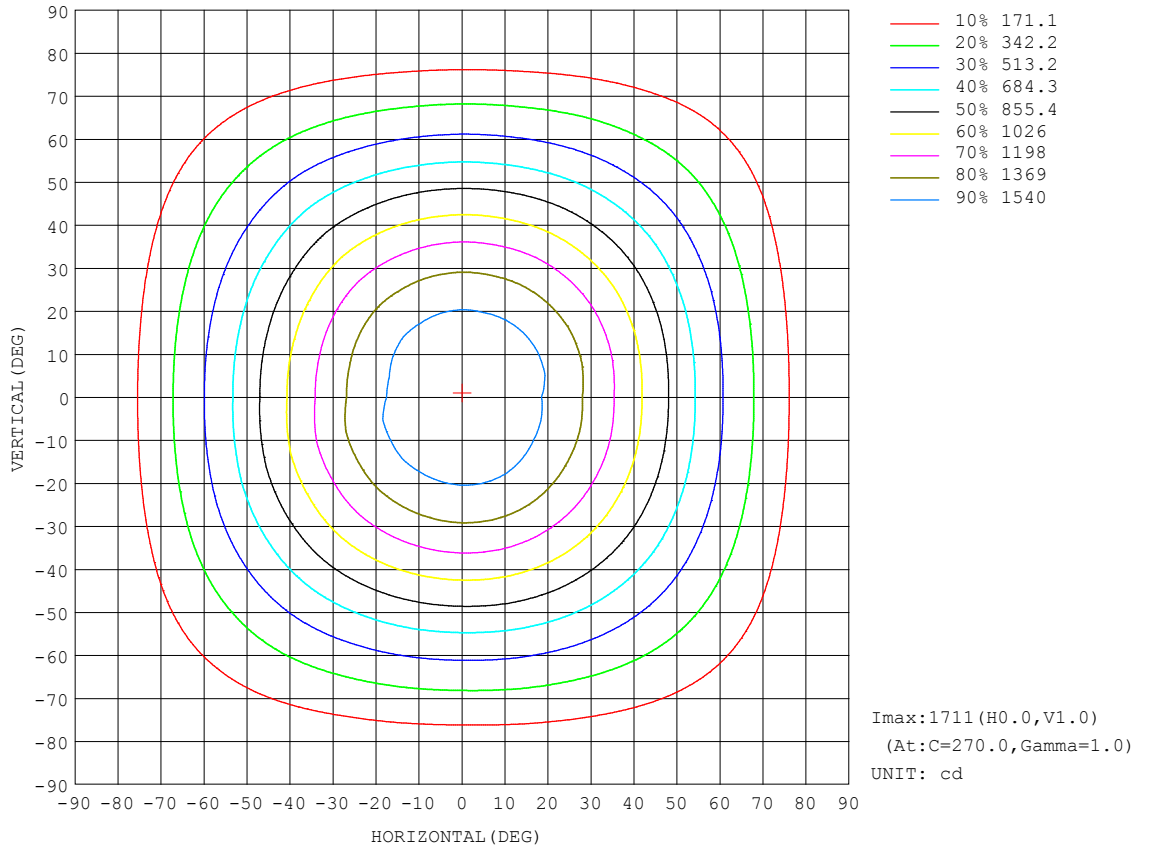
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	61	50	43	60	50	43	59	49	43	37
0.80	71	60	53	70	60	53	68	59	53	46
1.00	79	69	62	78	68	62	76	70	61	55
1.25	86	76	70	85	76	69	82	74	69	62
1.50	91	82	75	89	81	75	86	79	74	67
2.00	97	89	84	96	88	83	92	86	81	74
2.50	101	94	88	99	92	87	95	90	85	78
3.00	104	98	93	102	96	92	98	93	89	81
4.00	108	102	98	105	101	97	101	97	94	86
5.00	110	105	102	107	103	100	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HUA
 Test Date:2019-11-09

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:8.383m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.54V I:0.1812A P:40.649W PF:0.9711 Freq:50.00Hz Lamp Flux:4018.56x1 lm		
NAME: COI LED Downlight	TYPE:With external driver	WEIGHT:1.3 KGS
SPEC.:8 inch	DIM.: Dia.252*H66mm	SERIAL No.:BLD20191109P02
MFR.: Nedlands Group	SUR.:3.14*0.096*0.096	Shielding Angle:

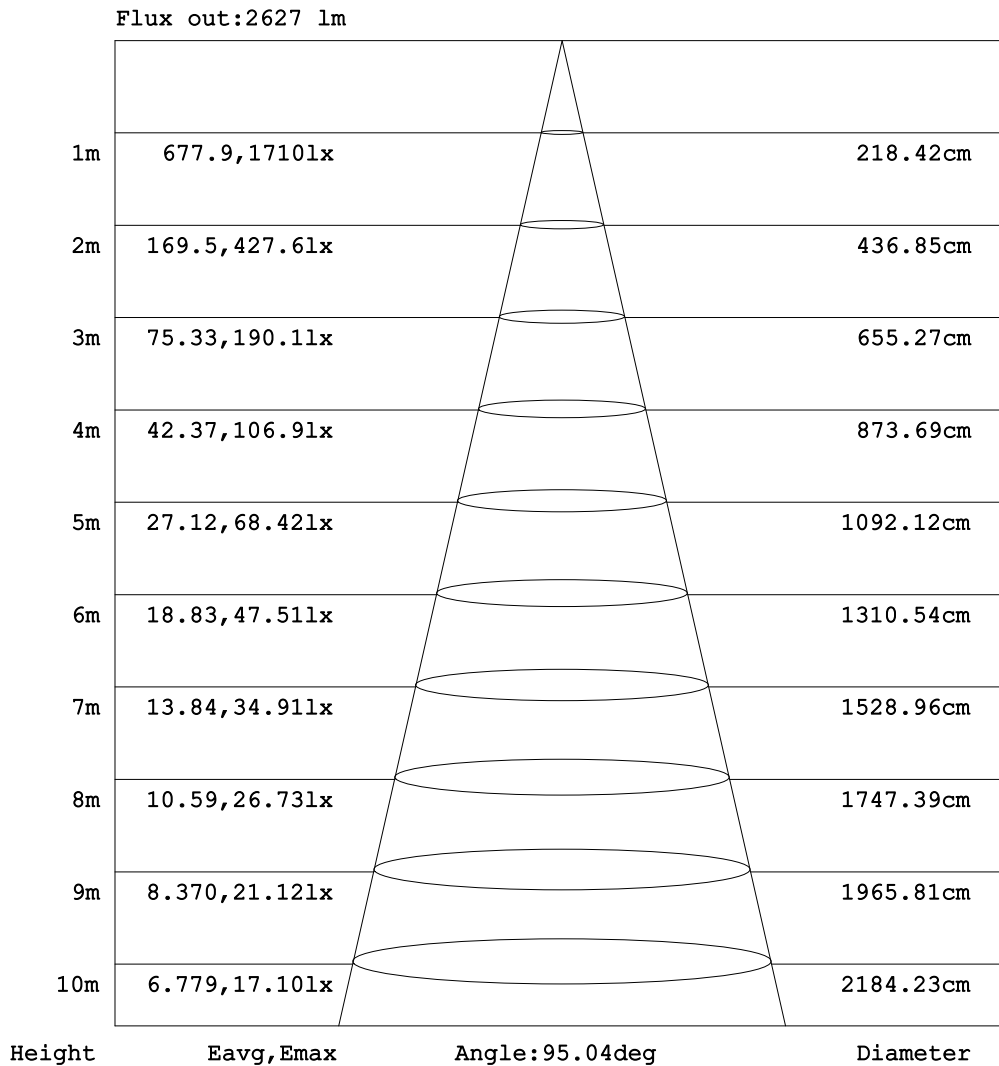


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HUA
 Test Date:2019-11-09

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:8.383m [K=1.0000]
 Remarks:

AAI Figure

Test:U:230.54V I:0.1812A P:40.649W PF:0.9711 Freq:50.00Hz Lamp Flux:4018.56x1 lm		
NAME: COI LED Downlight	TYPE:With external driver	WEIGHT:1.3 KGS
SPEC.:8 inch	DIM.: Dia.252*H66mm	SERIAL No.:BLD20191109P02
MFR.: Nedlands Group	SUR.:3.14*0.096*0.096	Shielding Angle:



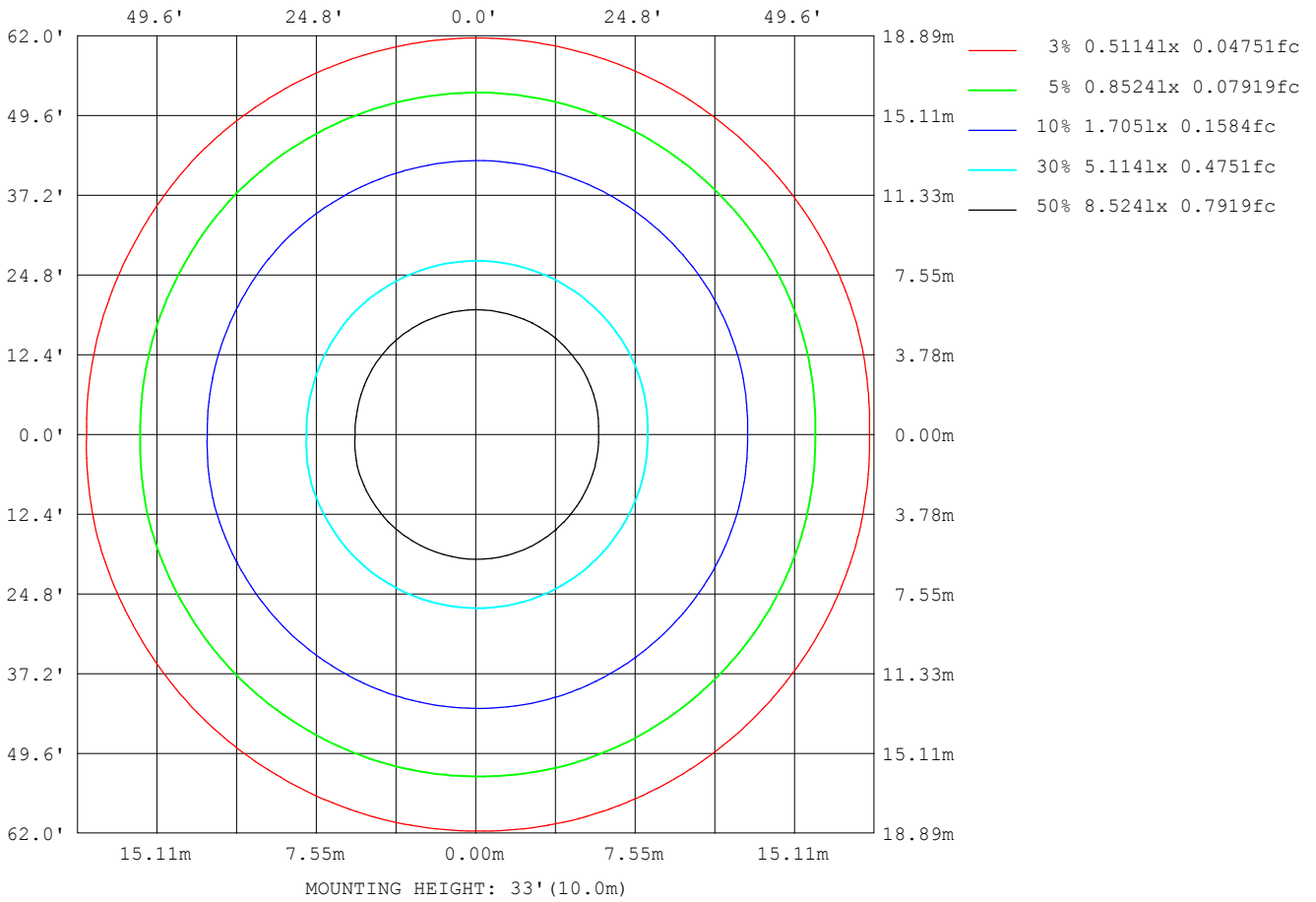
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HUA
 Test Date:2019-11-09

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:8.383m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:230.54V I:0.1812A P:40.649W PF:0.9711 Freq:50.00Hz Lamp Flux:4018.56x1 lm		
NAME: COI LED Downlight	TYPE:With external driver	WEIGHT:1.3 KGS
SPEC.:8 inch	DIM.: Dia.252*H66mm	SERIAL No.:BLD20191109P02
MFR.: Nedlands Group	SUR.:3.14*0.096*0.096	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HUA
 Test Date:2019-11-09

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:8.383m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:230.54V I:0.1812A P:40.649W PF:0.9711 Freq:50.00Hz Lamp Flux:4018.56x1 lm		
NAME: COI LED Downlight	TYPE:With external driver	WEIGHT:1.3 KGS
SPEC.:8 inch	DIM.: Dia.252*H66mm	SERIAL No.:BLD20191109P02
MFR.: Nedlands Group	SUR.:3.14*0.096*0.096	Shielding Angle:

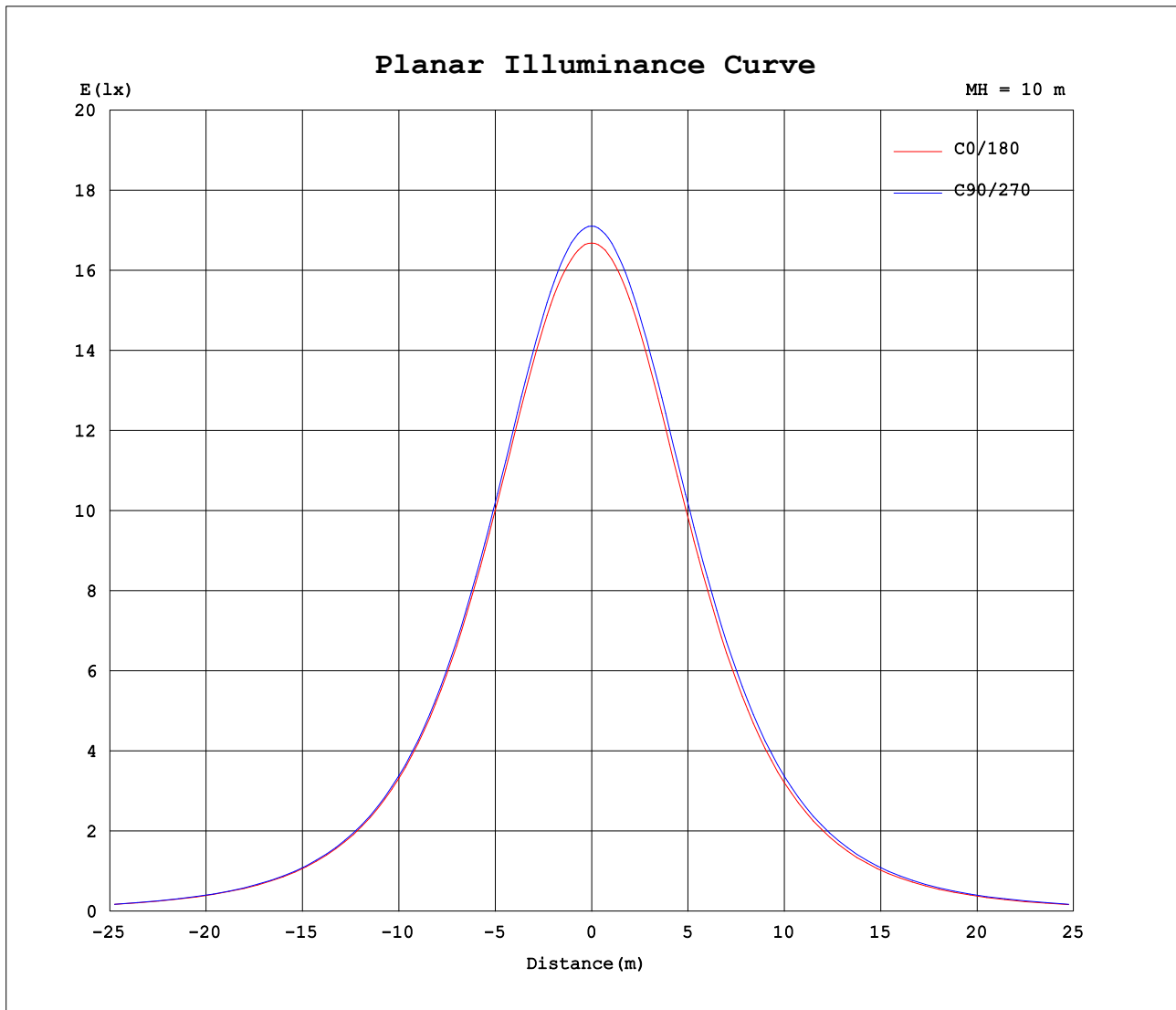
AvgL	cd/m2
L_0~180 (65) av	32682
L_0~180 (75) av	24765
L_0~180 (85) av	11962
L_90~270 (65) av	34141
L_90~270 (75) av	25926
L_90~270 (85) av	12525
L_45 (65) av	33817
L_45 (75) av	25682
L_45 (85) av	12468

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HUA
Test Date:2019-11-09

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:8.383m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HUA
Test Date:2019-11-09

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:8.383m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.54V I:0.1812A P:40.649W PF:0.9711 Freq:50.00Hz Lamp Flux:4018.56x1 lm		
NAME: COI LED Downlight	TYPE:With external driver	WEIGHT:1.3 KGS
SPEC.:8 inch	DIM.: Dia.252*H66mm	SERIAL No.:BLD20191109P02
MFR.: Nedlands Group	SUR.:3.14*0.096*0.096	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1669	1673	1683	1699	1704	1710	1710	1709	1709	1708	1702	1698	1669	1673	1683	1699	1704	1710	1710
5	1659	1669	1676	1689	1695	1700	1700	1699	1697	1695	1689	1685	1659	1658	1671	1687	1692	1698	1700
10	1634	1642	1648	1659	1666	1671	1670	1666	1664	1662	1656	1652	1628	1624	1639	1656	1659	1666	1669
15	1586	1593	1598	1609	1616	1620	1619	1615	1611	1609	1602	1599	1575	1573	1589	1604	1607	1614	1616
20	1517	1526	1529	1539	1547	1549	1548	1542	1538	1537	1528	1525	1499	1502	1517	1531	1534	1541	1545
25	1431	1439	1441	1450	1457	1459	1458	1451	1447	1445	1436	1433	1406	1411	1426	1439	1443	1450	1455
30	1325	1334	1337	1345	1351	1353	1351	1344	1338	1337	1327	1324	1298	1303	1317	1331	1335	1342	1347
35	1206	1214	1217	1224	1230	1232	1229	1222	1217	1214	1204	1202	1175	1182	1195	1210	1214	1220	1225
40	1076	1084	1087	1094	1099	1101	1096	1090	1084	1081	1071	1069	1045	1050	1061	1078	1082	1087	1093
45	940	948	952	956	962	963	958	952	946	942	933	932	910	914	924	940	944	949	954
50	800	809	814	817	821	823	816	812	806	801	793	791	773	779	785	801	804	810	814
55	663	672	677	679	682	683	677	673	667	663	656	654	638	645	650	664	666	671	676
60	531	541	545	546	549	549	544	540	534	531	524	523	510	516	520	531	534	538	543
65	408	417	420	422	423	423	418	415	409	407	401	400	391	395	398	407	410	413	417
70	295	302	304	306	305	306	301	299	294	292	287	286	281	282	285	291	294	296	300
75	192	196	198	199	199	199	195	193	189	188	184	184	179	180	182	186	189	190	194
80	103	105	106	107	106	106	103	102	99.1	98.3	95.5	95.4	92.8	92.4	93.9	95.6	97.9	98.8	102
85	33.4	34.4	34.6	35.0	34.2	33.7	32.1	31.5	30.1	29.6	28.2	28.0	26.9	26.1	26.7	27.3	28.8	29.5	31.0
90	3.39	3.42	3.53	3.47	3.46	3.34	3.30	3.26	3.27	3.27	3.24	3.26	3.37	3.39	3.42	3.46	3.47	3.47	3.47

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HUA
 Test Date:2019-11-09

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:8.383m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.54V I:0.1812A P:40.649W PF:0.9711 Freq:50.00Hz Lamp Flux:4018.56x1 lm		
NAME: COI LED Downlight	TYPE:With external driver	WEIGHT:1.3 KGS
SPEC.:8 inch	DIM.: Dia.252*H66mm	SERIAL No.:BLD20191109P02
MFR.: Nedlands Group	SUR.:3.14*0.096*0.096	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	1709	1709	1708	1702	1698													
5	1699	1700	1699	1694	1688													
10	1667	1670	1670	1665	1660													
15	1616	1620	1619	1615	1610													
20	1544	1549	1549	1546	1540													
25	1454	1459	1458	1457	1451													
30	1347	1352	1352	1352	1344													
35	1226	1230	1230	1230	1223													
40	1094	1098	1097	1098	1091													
45	955	959	959	960	954													
50	815	818	818	819	814													
55	676	679	679	681	676													
60	543	545	545	547	543													
65	417	420	419	422	419													
70	300	303	303	305	303													
75	194	197	197	199	198													
80	102	105	105	107	107													
85	31.8	33.5	33.9	35.3	35.3													
90	3.46	3.45	3.48	3.54	3.63													

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 15.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.407.13
Temperature:25.3DEG	Humidity:65.0%
Operators:HUA	Test Distance:8.383m [K=1.0000]
Test Date:2019-11-09	Remarks: