

M3-11W-930-35



Light Output Ratio:	100.0%	
Luminaire Power:	12.92 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.60	fine grid method.

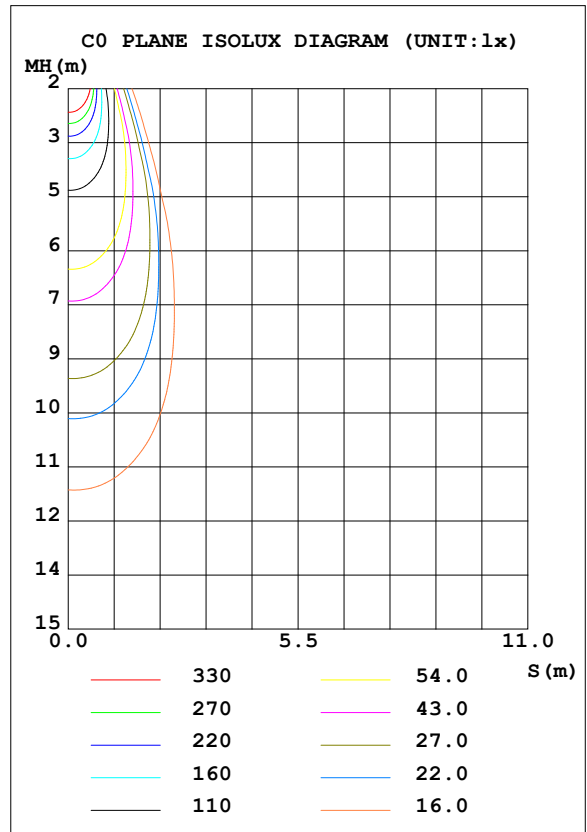
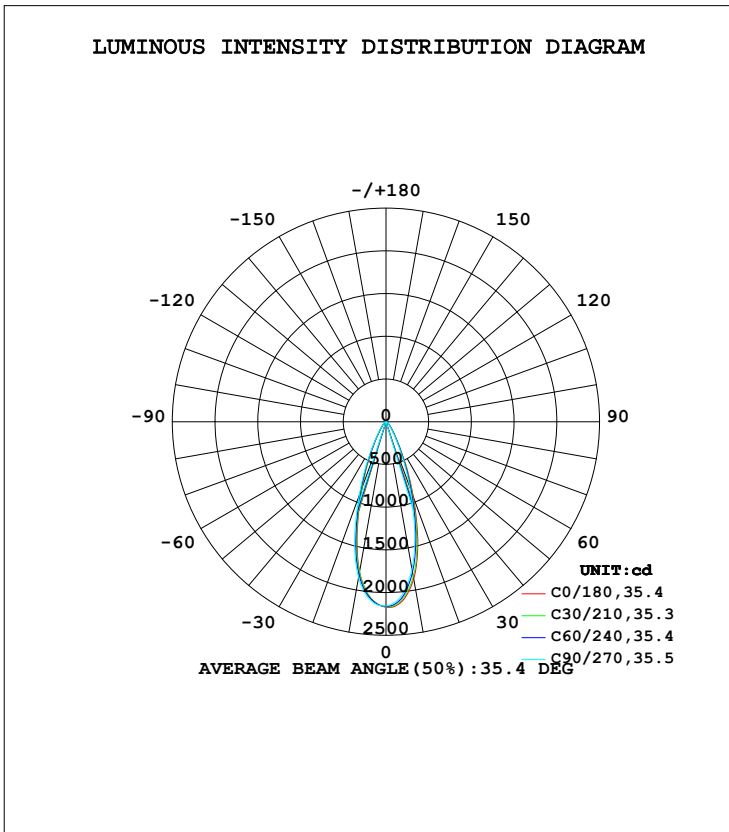
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Myles
Test Date: 2019-01-07

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 56%
Test Distance: 5.850m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.6V I:0.0654A P:12.92W PF:0.8958 Freq:49.90Hz Lamp Flux:981.549x1 lm		
NAME: M3-11W-930-35	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ50mm*H40mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 75.97 lm/W			
MODEL	CITIZEN-3000K	I _{max} (cd)	2174	S/MH (C0/180)	0.57
NOMINAL POWER (W)	13	LOR (%)	100.0	S/MH (C90/270)	0.59
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	981.55	η UP, DN (C0-180)	0.0,49.1
NOMINAL FLUX (lm)	981.549	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0,50.9
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	0.60



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Myles
 Test Date: 2019-01-07

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 56%
 Test Distance: 5.850m [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	1868	1826	1753	1743	1783	1789	1851	1874	0- 10	189.8	189.8	19.3,19.3
20	937.8	902.7	823.7	790.1	815.3	835.2	917.3	968.4	10- 20	369.2	559.0	56.9,56.9
30	279.2	263.5	242.4	231.1	232.6	233.4	265.3	284.5	20- 30	230.2	789.1	80.4,80.4
40	98.89	91.40	86.42	77.93	74.68	76.11	85.91	97.72	30- 40	92.58	881.7	89.8,89.8
50	45.09	43.34	41.52	38.79	37.41	38.01	39.87	44.41	40- 50	45.36	927.1	94.4,94.4
60	24.67	24.47	23.72	22.29	22.99	22.89	23.19	24.91	50- 60	28.71	955.8	97.4,97.4
70	11.60	11.32	11.33	11.08	11.30	11.49	11.37	11.90	60- 70	16.78	972.6	99.1,99.1
80	3.560	3.479	3.317	3.371	3.634	3.766	3.728	3.768	70- 80	7.581	980.1	99.9,99.9
90	0.0481	0.0459	0.0525	0.0525	0.0372	0.0372	0.0372	0.0394	80- 90	1.409	981.5	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		

Conical surface Flux(90deg): 907.6 lm

%lum = 92.5%
%lamp = 92.5%

Conical surface Flux(120deg): 955.78 lm

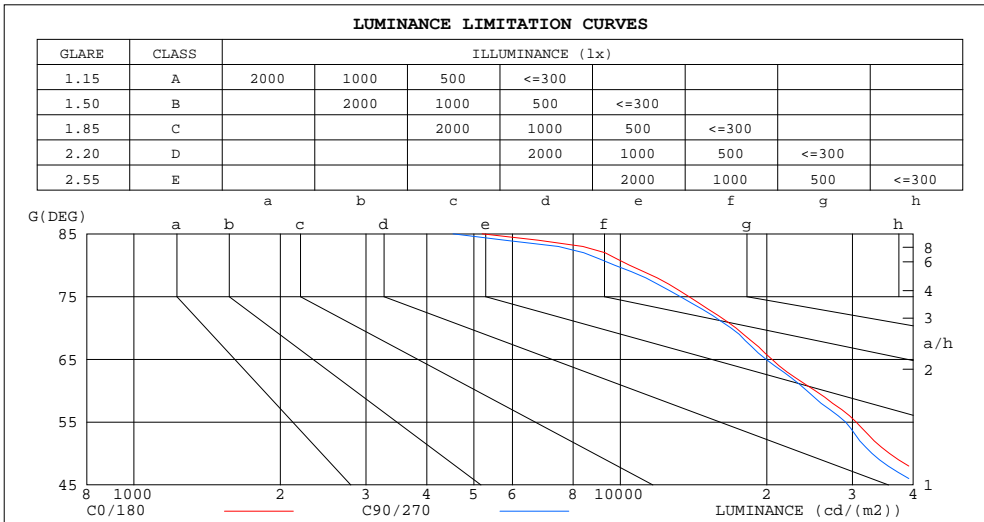
%lum = 97.4%
%lamp = 97.4%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Myles
Test Date:2019-01-07

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:56%
Test Distance:5.850m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.6V I:0.0654A P:12.92W PF:0.8958 Freq:49.90Hz Lamp Flux:981.549x1 lm		
NAME: M3-11W-930-35	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ50mm*H40mm	
MFR.: NEKO LIGHTING AG		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	5200	4529
80	10445	9733
75	13833	13278
70	17280	16883
65	20490	19925
60	25143	24172
55	30542	29048
50	35743	32912
45	46691	41374

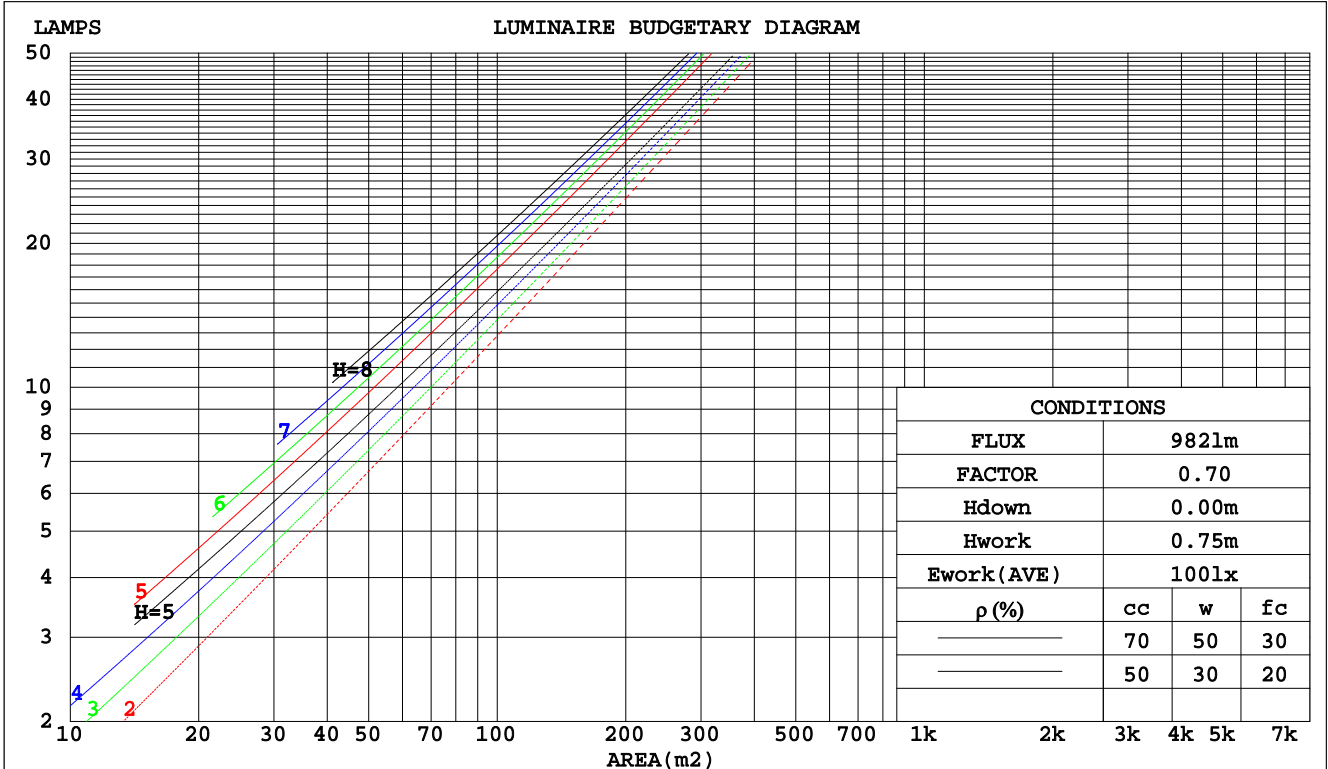
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Myles
 Test Date:2019-01-07

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:56%
 Test Distance:5.850m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.6V I:0.0654A P:12.92W PF:0.8958 Freq:49.90Hz Lamp Flux:981.549x1 lm		
NAME: M3-11W-930-35	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ50mm*H40mm	
MFR.: NEKO LIGHTING AG		

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
pfc																
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	1.00
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.91	.90	.88
3.0	.98	.93	.89	.96	.92	.89	.94	.90	.87	.91	.88	.86	.89	.87	.84	.83
4.0	.92	.87	.83	.91	.86	.83	.89	.85	.82	.87	.83	.81	.85	.82	.80	.78
5.0	.87	.82	.78	.86	.81	.78	.85	.80	.77	.83	.79	.76	.81	.78	.76	.74
6.0	.83	.77	.73	.82	.77	.73	.81	.76	.73	.79	.75	.72	.78	.74	.72	.70
7.0	.79	.73	.70	.78	.73	.69	.77	.72	.69	.76	.72	.69	.75	.71	.68	.67
8.0	.75	.70	.66	.75	.70	.66	.74	.69	.66	.73	.69	.66	.72	.68	.65	.64
9.0	.72	.67	.63	.72	.67	.63	.71	.66	.63	.70	.66	.63	.69	.65	.62	.61
10.0	.69	.64	.60	.69	.64	.60	.68	.63	.60	.67	.63	.60	.66	.63	.60	.59



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Myles
 Test Date: 2019-01-07

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 56%
 Test Distance: 5.850m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:220.6V I:0.0654A P:12.92W PF:0.8958 Freq:49.90Hz Lamp Flux:981.549x1 lm		
NAME: M3-11W-930-35	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ50mm*H40mm	
MFR.: NEKO LIGHTING AG		

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	.172	.098	.031	.165	.094	.030	.153	.088	.028	.141	.081	.026	.131	.076	.024	
2.0	.163	.089	.027	.157	.087	.027	.147	.081	.025	.137	.077	.024	.128	.072	.023	
3.0	.153	.081	.024	.148	.079	.024	.139	.076	.023	.131	.072	.022	.123	.068	.021	
4.0	.144	.075	.022	.140	.073	.022	.132	.070	.021	.125	.067	.020	.119	.065	.020	
5.0	.136	.069	.020	.133	.068	.020	.126	.066	.019	.120	.063	.019	.114	.061	.018	
6.0	.129	.065	.018	.126	.064	.018	.120	.062	.018	.115	.060	.018	.110	.058	.017	
7.0	.122	.061	.017	.120	.060	.017	.115	.058	.017	.110	.056	.016	.105	.055	.016	
8.0	.117	.057	.016	.114	.056	.016	.110	.055	.016	.105	.053	.015	.101	.052	.015	
9.0	.111	.054	.015	.109	.053	.015	.105	.052	.015	.101	.051	.015	.098	.050	.014	
10.0	.106	.051	.014	.104	.050	.014	.101	.049	.014	.097	.048	.014	.094	.047	.014	

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	.171	.157	.145	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.133	.114	.098	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.098	.079	.084	.068	.055	.048	.040	.033	.016	.013	.011	
4.0	.131	.099	.074	.112	.085	.064	.077	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.122	.087	.061	.104	.075	.053	.072	.052	.038	.042	.031	.022	.013	.010	.007	
6.0	.114	.077	.051	.098	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.107	.070	.044	.092	.060	.038	.063	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.100	.063	.038	.086	.055	.033	.060	.038	.023	.035	.023	.014	.011	.007	.005	
9.0	.095	.058	.033	.082	.050	.028	.057	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.090	.053	.029	.078	.046	.025	.054	.033	.018	.031	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Myles
 Test Date:2019-01-07

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:56%
 Test Distance:5.850m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.6V I:0.0654A P:12.92W PF:0.8958 Freq:49.90Hz Lamp Flux:981.549x1 lm		
NAME: M3-11W-930-35	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ50mm*H40mm	
MFR.: NEKO LIGHTING AG		

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	20.5	21.3	20.7	21.5	21.7	20.1	21.0	20.3	21.1	21.3
3H	21.0	21.8	21.2	21.9	22.1	20.6	21.4	20.9	21.6	21.8
4H	21.1	21.9	21.4	22.1	22.3	20.8	21.5	21.1	21.8	22.0
6H	21.2	21.9	21.5	22.1	22.4	20.8	21.6	21.1	21.8	22.0
8H	21.2	21.9	21.5	22.1	22.4	20.8	21.5	21.1	21.8	22.0
12H	21.1	21.8	21.5	22.1	22.3	20.8	21.5	21.1	21.7	22.0
4H 2H	20.6	21.4	20.9	21.6	21.8	20.3	21.1	20.6	21.3	21.5
3H	21.2	21.9	21.6	22.2	22.4	21.0	21.6	21.3	21.9	22.2
4H	21.5	22.1	21.8	22.4	22.7	21.2	21.8	21.5	22.1	22.4
6H	21.6	22.1	22.0	22.4	22.8	21.3	21.8	21.7	22.2	22.5
8H	21.6	22.1	22.0	22.4	22.8	21.3	21.8	21.7	22.2	22.5
12H	21.6	22.0	22.0	22.4	22.8	21.3	21.7	21.7	22.1	22.5
8H 4H	21.5	22.0	21.9	22.3	22.7	21.2	21.7	21.6	22.1	22.4
6H	21.6	22.1	22.1	22.4	22.9	21.4	21.8	21.8	22.2	22.6
8H	21.7	22.1	22.1	22.5	22.9	21.4	21.8	21.9	22.2	22.6
12H	21.7	22.0	22.1	22.4	22.9	21.4	21.7	21.9	22.2	22.6
12H 4H	21.4	21.9	21.8	22.3	22.7	21.2	21.6	21.6	22.0	22.4
6H	21.6	22.0	22.1	22.4	22.8	21.4	21.7	21.8	22.1	22.6
8H	21.7	22.0	22.1	22.4	22.9	21.4	21.7	21.9	22.2	22.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.9 / - 1.1					+ 0.8 / - 1.0				
1.5H	+ 1.6 / - 0.8					+ 1.2 / - 0.8				
2.0H	+ 1.4 / - 1.1					+ 1.2 / - 1.0				

CIE Pub.117, 981.5 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.1)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Myles
 Test Date:2019-01-07

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:56%
 Test Distance:5.850m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.6V I:0.0654A P:12.92W PF:0.8958 Freq:49.90Hz Lamp Flux:981.549x1 lm		
NAME: M3-11W-930-35	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ50mm*H40mm	
MFR.: NEKO LIGHTING AG		

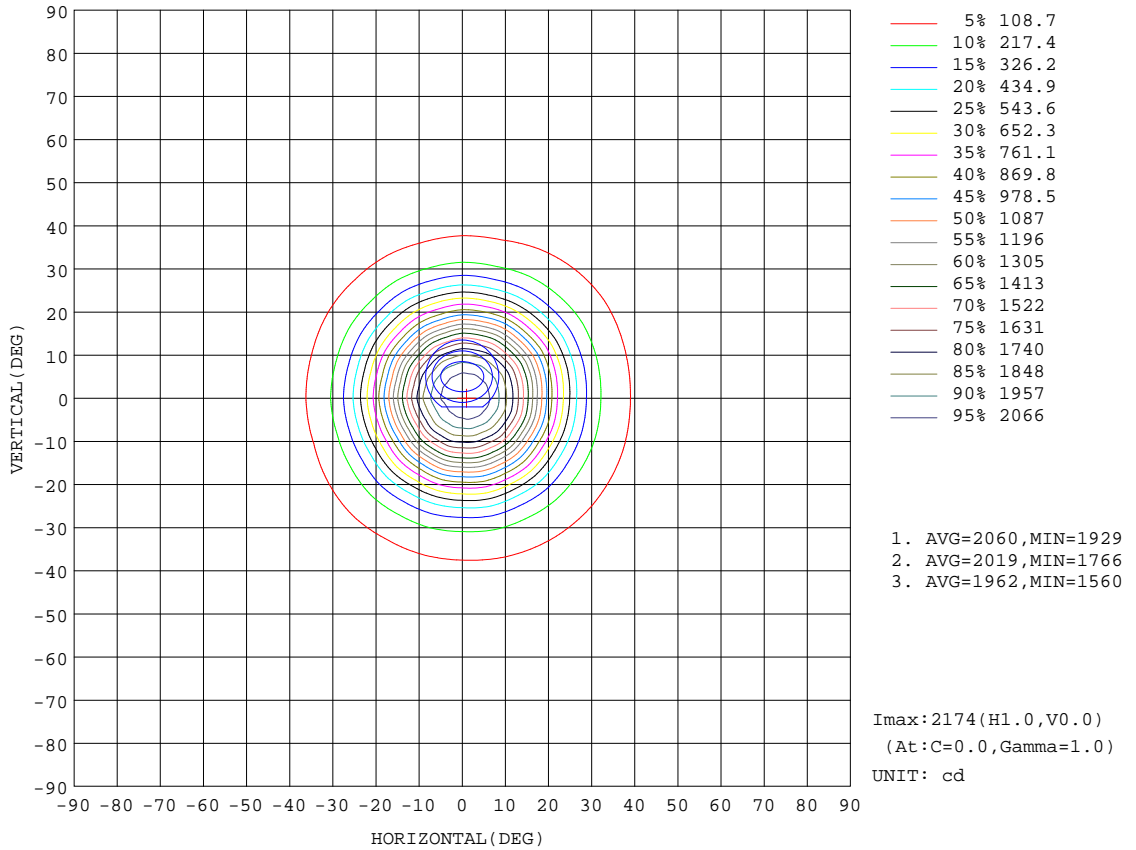
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	85	78	74	85	78	74	84	78	74	70
0.80	93	87	83	92	86	82	91	86	82	78
1.00	98	92	88	97	91	87	95	91	87	83
1.25	102	96	92	101	96	92	99	94	91	87
1.50	105	99	96	103	99	95	101	97	94	90
2.00	108	103	100	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	105	102	99	93
3.00	111	107	105	109	106	103	106	103	101	95
4.00	113	110	108	111	109	107	108	106	104	97
5.00	115	112	110	112	110	109	108	107	106	98
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:Myles
 Test Date:2019-01-07

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:56%
 Test Distance:5.850m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.6V I:0.0654A P:12.92W PF:0.8958 Freq:49.90Hz Lamp Flux:981.549x1 lm		
NAME: M3-11W-930-35	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ50mm*H40mm	
MFR.: NEKO LIGHTING AG		

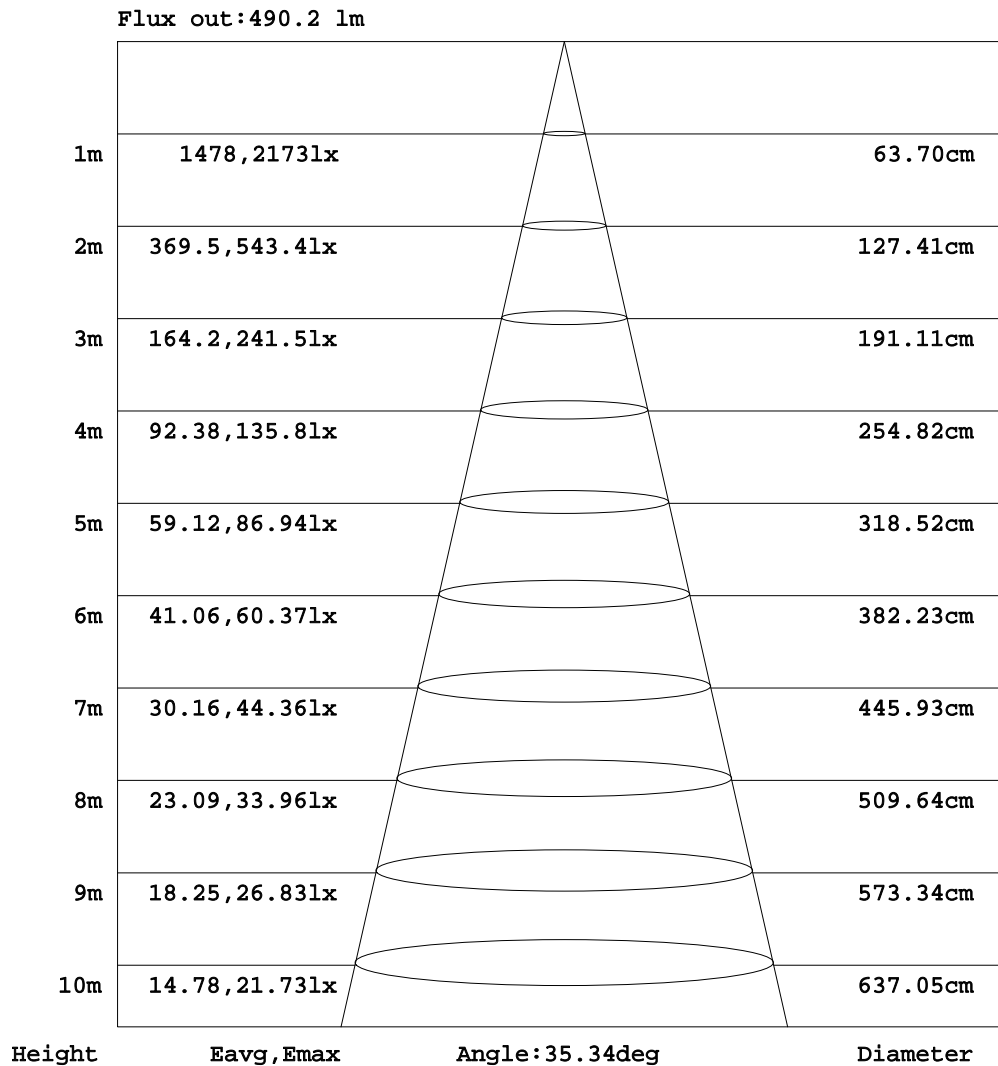


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Myles
 Test Date:2019-01-07

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:56%
 Test Distance:5.850m [K=1.0000]
 Remarks:

AAI Figure

Test:U:220.6V I:0.0654A P:12.92W PF:0.8958 Freq:49.90Hz Lamp Flux:981.549x1 lm		
NAME: M3-11W-930-35	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ50mm*H40mm	
MFR.: NEKO LIGHTING AG		



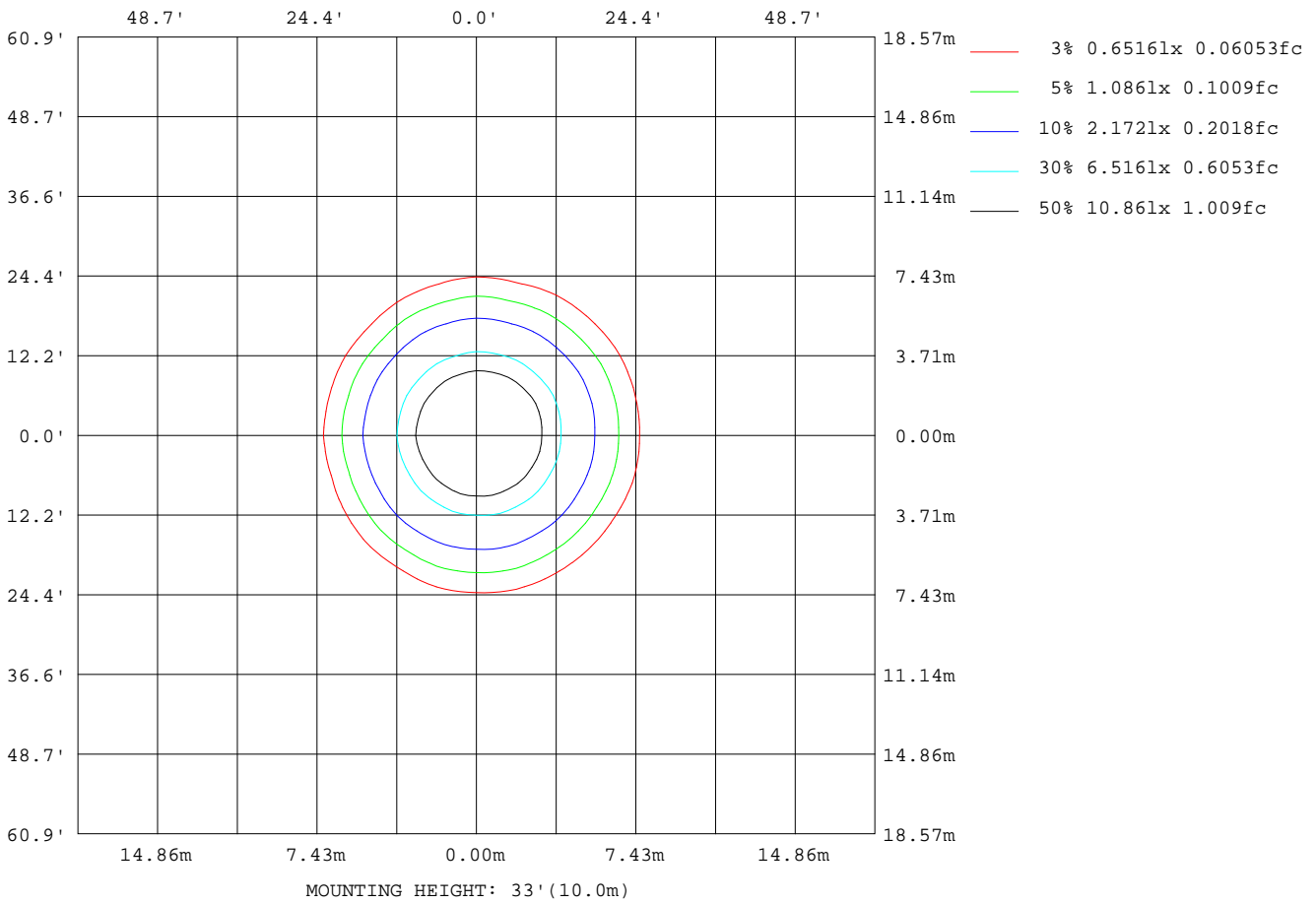
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Myles
Test Date:2019-01-07

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:56%
Test Distance:5.850m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.6V I:0.0654A P:12.92W PF:0.8958 Freq:49.90Hz Lamp Flux:981.549x1 lm		
NAME: M3-11W-930-35	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ50mm*H40mm	
MFR.: NEKO LIGHTING AG		



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Myles
 Test Date:2019-01-07

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:56%
 Test Distance:5.850m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:220.6V I:0.0654A P:12.92W PF:0.8958 Freq:49.90Hz Lamp Flux:981.549x1 lm		
NAME: M3-11W-930-35	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ50mm*H40mm	
MFR.: NEKO LIGHTING AG		

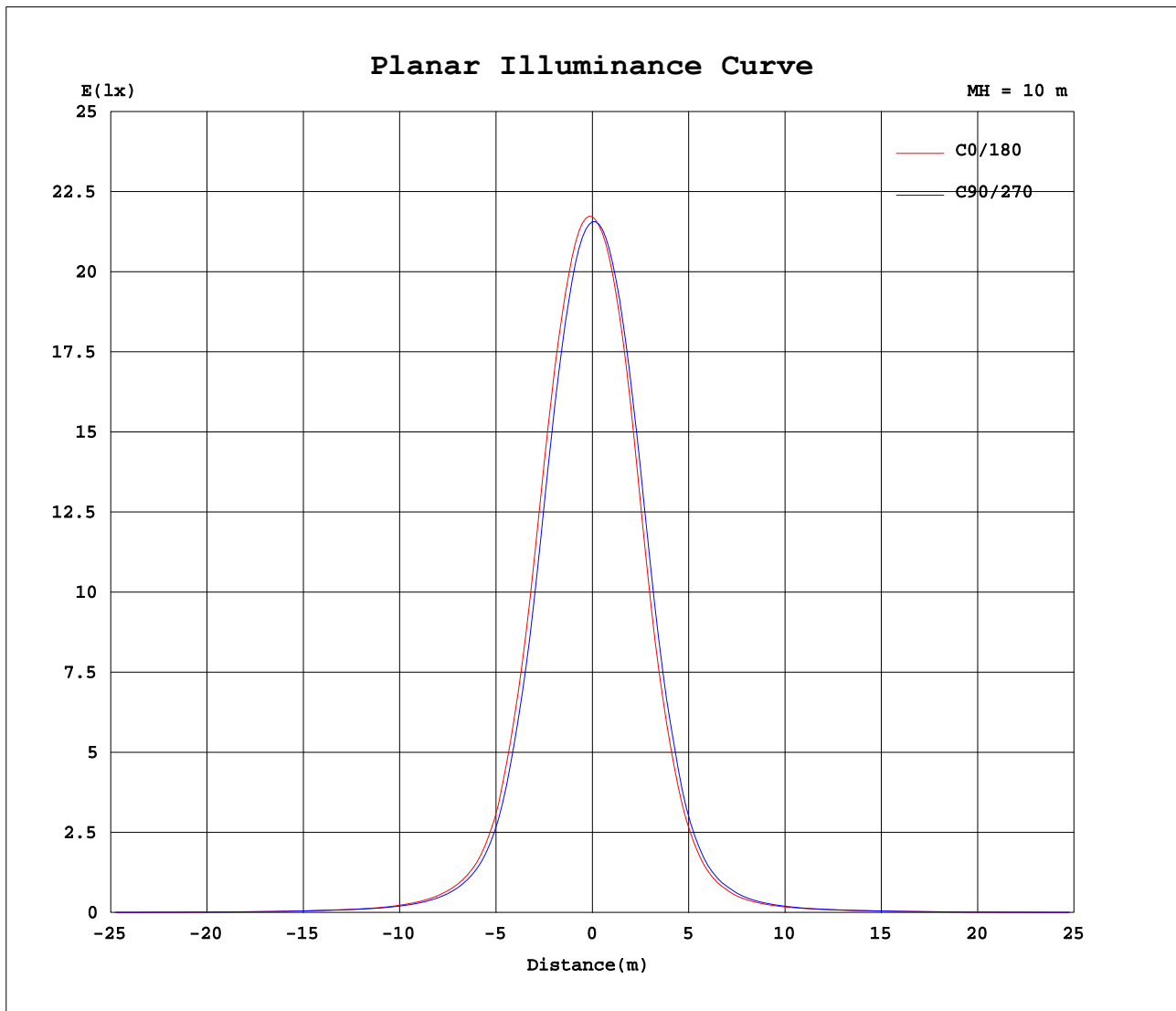
AvgL	cd/m2
L_0~180 (65) av	20307
L_0~180 (75) av	13850
L_0~180 (85) av	5121
L_90~270 (65) av	19857
L_90~270 (75) av	13644
L_90~270 (85) av	5394
L_45 (65) av	20154
L_45 (75) av	13874
L_45 (85) av	5258

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Myles
Test Date:2019-01-07

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:56%
Test Distance:5.850m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Myles
 Test Date: 2019-01-07

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 56%
 Test Distance: 5.850m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.6V I:0.0654A P:12.92W PF:0.8958 Freq:49.90Hz Lamp Flux:981.549x1 lm		
NAME: M3-11W-930-35	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ50mm*H40mm	
MFR.: NEKO LIGHTING AG		

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	2172	2169	2167	2164	2161	2159	2156	2155	2152	2152	2151	2152	2172	2169	2167	2164	2161	2159	2156
5	2114	2110	2096	2093	2076	2070	2050	2049	2036	2040	2034	2041	2069	2062	2070	2066	2080	2082	2096
10	1868	1869	1840	1826	1788	1780	1753	1759	1734	1743	1724	1741	1783	1769	1790	1789	1820	1823	1851
15	1441	1440	1402	1392	1348	1334	1295	1295	1261	1259	1235	1258	1300	1286	1321	1326	1366	1373	1420
20	938	932	901	903	867	860	824	821	788	790	769	782	815	803	834	835	871	875	917
25	537	523	502	505	481	483	456	451	435	439	421	431	452	447	464	467	492	491	514
30	279	276	265	263	253	254	242	241	230	231	220	219	233	227	233	233	249	251	265
35	161	160	152	150	146	146	140	139	129	130	123	118	127	124	128	126	135	136	147
40	98.9	98.3	93.6	91.4	89.9	89.6	86.4	84.5	79.5	77.9	75.3	72.3	74.7	74.0	75.4	76.1	80.1	82.2	85.9
45	64.8	64.4	61.4	60.8	59.2	59.3	57.4	56.7	53.8	52.5	51.1	50.2	50.3	50.1	50.8	51.1	52.9	54.0	55.9
50	45.1	45.1	43.4	43.3	42.4	42.3	41.5	41.4	39.5	38.8	38.2	37.9	37.4	37.2	37.8	38.0	38.8	39.1	39.9
55	34.4	34.7	34.0	34.1	33.3	33.2	32.7	32.2	31.2	30.1	30.0	30.8	29.8	29.9	30.4	30.8	31.2	31.2	31.6
60	24.7	24.8	24.4	24.5	24.0	23.8	23.7	23.4	22.8	22.3	22.2	22.8	23.0	22.7	22.9	22.9	22.8	22.8	23.2
65	17.0	17.0	16.8	16.8	16.5	16.7	16.5	16.5	16.4	16.4	16.3	16.3	16.7	16.6	16.8	16.5	16.5	16.3	16.4
70	11.6	11.6	11.3	11.3	11.2	11.4	11.3	11.3	11.1	11.1	10.9	11.0	11.3	11.3	11.5	11.5	11.5	11.4	11.4
75	7.03	6.99	6.86	6.87	6.72	6.90	6.74	6.79	6.68	6.77	6.71	6.80	7.04	7.05	7.26	7.21	7.22	7.12	7.12
80	3.56	3.55	3.47	3.48	3.35	3.41	3.32	3.35	3.30	3.37	3.33	3.46	3.63	3.63	3.80	3.77	3.79	3.70	3.73
85	0.89	0.88	0.82	0.81	0.79	0.80	0.77	0.77	0.74	0.75	0.74	0.76	0.86	0.87	0.96	0.97	1.04	1.03	1.07
90	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.04	0.04

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Myles
 Test Date: 2019-01-07

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 56%
 Test Distance: 5.850m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.6V I:0.0654A P:12.92W PF:0.8958 Freq:49.90Hz Lamp Flux:981.549x1 lm		
NAME: M3-11W-930-35	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ50mm*H40mm	
MFR.: NEKO LIGHTING AG		

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	2155	2152	2152	2151	2152														
5	2095	2106	2104	2111	2107														
10	1852	1877	1874	1889	1875														
15	1429	1466	1470	1492	1468														
20	926	965	968	996	971														
25	515	540	553	571	562														
30	263	278	285	295	291														
35	143	155	159	166	164														
40	86.7	93.2	97.7	101	100														
45	56.8	60.3	63.9	65.6	65.5														
50	40.6	42.7	44.4	45.8	45.6														
55	32.0	33.3	34.1	35.1	34.9														
60	23.5	24.5	24.9	25.5	25.0														
65	16.4	16.9	17.2	17.6	17.5														
70	11.4	11.7	11.9	12.1	12.0														
75	7.12	7.33	7.34	7.45	7.35														
80	3.72	3.82	3.77	3.85	3.78														
85	1.05	1.11	1.07	1.11	1.07														
90	0.04	0.04	0.04	0.04	0.04														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Myles
 Test Date:2019-01-07

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:56%
 Test Distance:5.850m [K=1.0000]
 Remarks: