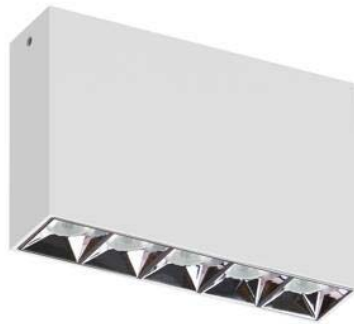


SL5C-10W-927-30°



Light Output Ratio:	100.0%	
Luminaire Power:	10.46 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.50	fine grid method.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jason
Test Date: 2022-01-14

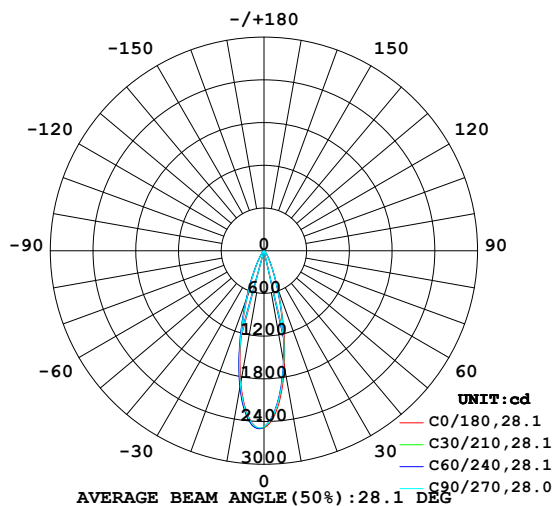
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 58%
Test Distance: 8.967m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

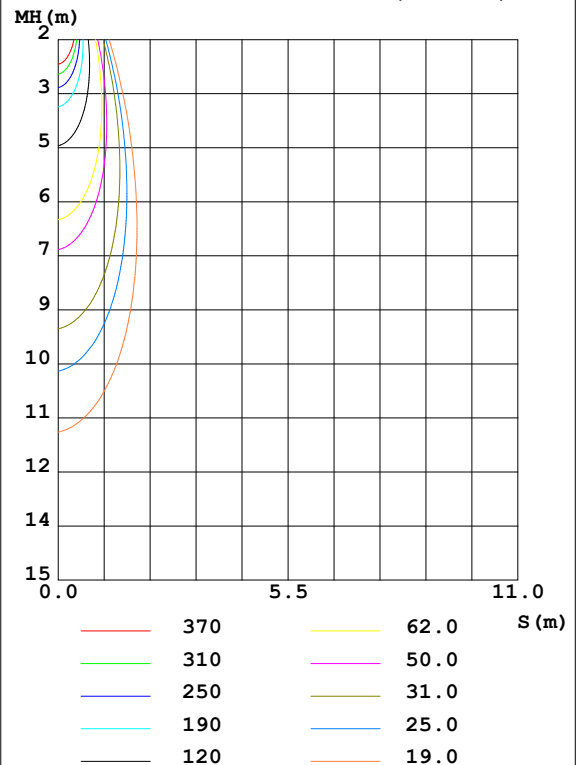
Test:U:220.8V I:0.0492A P:10.46W PF:0.9626 Freq:49.99Hz Lamp Flux:742.605x1 lm		
NAME: SL5C-10W-927-30°	TYPE:Downlight	SERIAL No.:
SPEC.:2700K	DIM.: φ70mm*H150mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 71.01 lm/W			
MODEL	CREE-2700K	I _{max} (cd)	2500	S/MH (C0/180)	0.50
NOMINAL POWER (W)	10	LOR (%)	100.0	S/MH (C90/270)	0.51
RATED VOLTAGE (V)	15	TOTAL FLUX (lm)	742.61	η UP, DN (C0-180)	0.0, 46.5
NOMINAL FLUX (lm)	742.605	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 53.5
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	14.07	η down (%)	100.0	CIBSE SHR MAX	0.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2022-01-14

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:8.967m [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	1652	1594	1599	1717	1879	1934	1910	1773	0- 10	200.1	200.1	26.9,26.9
20	561.3	538.8	540.3	598.1	689.2	731.0	712.1	628.5	10- 20	308.9	509.0	68.5,68.5
30	144.8	141.7	137.6	151.0	167.3	182.5	173.9	161.0	20- 30	150.8	659.8	88.9,88.9
40	43.68	44.85	39.66	44.32	45.37	51.54	47.26	48.15	30- 40	54.09	713.9	96.1,96.1
50	13.32	14.10	12.21	14.16	13.83	16.18	14.69	15.38	40- 50	20.15	734.1	98.8,98.8
60	3.032	3.831	3.341	3.972	3.265	4.254	4.330	4.326	50- 60	7.100	741.2	99.8,99.8
70	0.0471	0.0617	0.0366	0.0052	0.0052	0.2319	0.0052	0.0959	60- 70	1.426	742.6	100,100
80	0.0158	0.0052	0.0157	0.0052	0.0052	0.0105	0.0052	0.0157	70- 80	0.0165	742.6	100,100
90	0.0052	0.0052	0.0105	0.0052	0.0052	0.0105	0.0052	0.0052	80- 90	0.0083	742.6	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): 726.44 lm

%lum = 97.8%

%lamp = 97.8%

Conical surface Flux(120deg): 741.15 lm

%lum = 99.8%

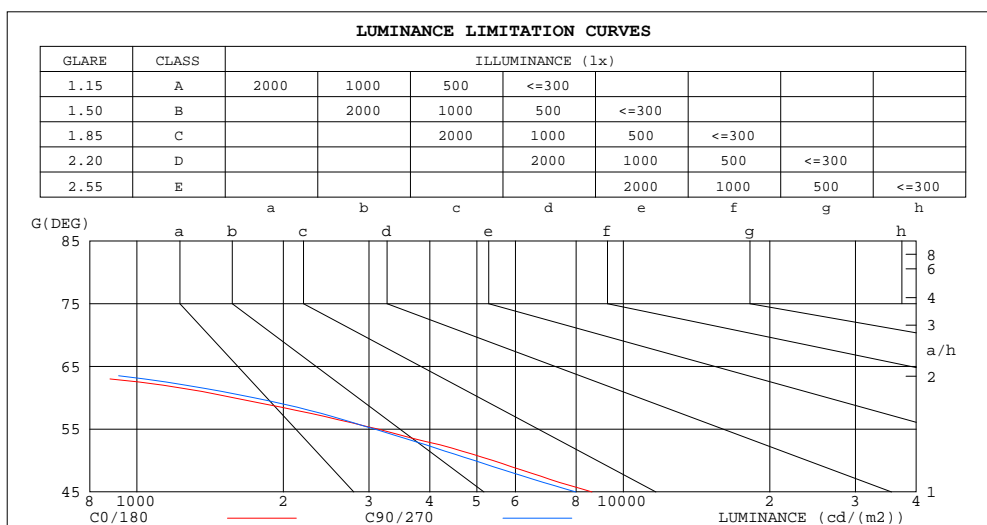
%lamp = 99.8%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2022-01-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:8.967m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.8V I:0.0492A P:10.46W PF:0.9626 Freq:49.99Hz Lamp Flux:742.605x1 lm		
NAME: SL5C-10W-927-30°	TYPE:Downlight	SERIAL No.:
SPEC.:2700K	DIM.: φ70mm*H150mm	
MFR.: NEKO LIGHTING AG		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	31	32
80	24	23
75	26	31
70	36	28
65	343	496
60	1577	1737
55	3128	3080
50	5388	4939
45	8621	7983

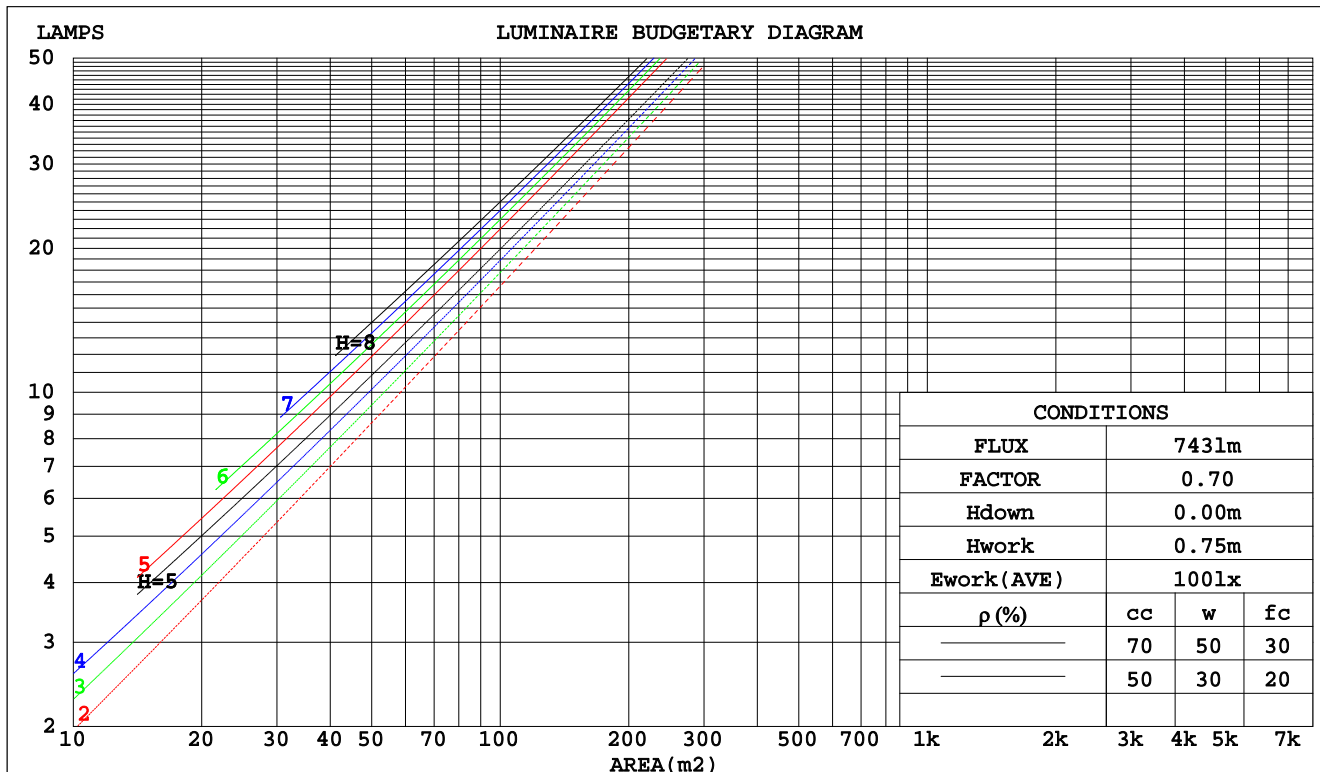
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2022-01-14

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:8.967m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.8V I:0.0492A P:10.46W PF:0.9626 Freq:49.99Hz Lamp Flux:742.605x1 lm		
NAME: SL5C-10W-927-30°	TYPE:Downlight	SERIAL No.:
SPEC.:2700K	DIM.: φ70mm*H150mm	
MFR.: NEKO LIGHTING AG		

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	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	1.12	1.10	1.08	1.10	1.08	1.07	1.06	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96
2.0	1.06	1.03	1.00	1.05	1.02	.99	1.01	.99	.97	.99	.97	.95	.96	.94	.93	.91
3.0	1.01	.97	.94	.90	.96	.93	.97	.94	.92	.95	.92	.90	.93	.91	.89	.87
4.0	.96	.92	.88	.95	.91	.88	.93	.90	.87	.91	.88	.86	.89	.87	.85	.84
5.0	.92	.87	.84	.91	.87	.84	.89	.86	.83	.88	.85	.82	.86	.84	.82	.80
6.0	.88	.83	.80	.87	.83	.80	.86	.82	.79	.85	.81	.79	.84	.81	.78	.77
7.0	.85	.80	.77	.84	.80	.76	.83	.79	.76	.82	.78	.76	.81	.78	.75	.74
8.0	.81	.77	.74	.81	.77	.73	.80	.76	.73	.79	.75	.73	.78	.75	.73	.72
9.0	.79	.74	.71	.78	.74	.71	.77	.73	.70	.76	.73	.70	.76	.72	.70	.69
10.0	.76	.71	.68	.75	.71	.68	.75	.71	.68	.74	.70	.68	.73	.70	.68	.67



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2022-01-14

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:8.967m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.8V I:0.0492A P:10.46W PF:0.9626 Freq:49.99Hz Lamp Flux:742.605x1 lm		
NAME: SL5C-10W-927-30°	TYPE:Downlight	SERIAL No.:
SPEC.:2700K	DIM.: φ70mm*H150mm	
MFR.: NEKO LIGHTING AG		

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	.149	.085	.027	.142	.081	.026	.130	.074	.024	.118	.068	.022	.108	.063	.020	
2.0	.140	.077	.024	.134	.074	.023	.124	.069	.021	.115	.064	.020	.106	.060	.019	
3.0	.132	.070	.021	.127	.068	.020	.118	.064	.019	.110	.060	.019	.103	.057	.018	
4.0	.124	.065	.019	.120	.063	.019	.113	.060	.018	.106	.057	.017	.100	.054	.016	
5.0	.118	.060	.017	.114	.059	.017	.108	.056	.017	.102	.054	.016	.096	.052	.015	
6.0	.112	.056	.016	.109	.055	.016	.103	.053	.015	.098	.051	.015	.093	.049	.015	
7.0	.106	.053	.015	.104	.052	.015	.099	.050	.014	.094	.048	.014	.090	.047	.014	
8.0	.101	.050	.014	.099	.049	.014	.095	.047	.014	.091	.046	.013	.087	.045	.013	
9.0	.097	.047	.013	.095	.046	.013	.091	.045	.013	.088	.044	.013	.084	.043	.012	
10.0	.093	.045	.012	.091	.044	.012	.088	.043	.012	.085	.042	.012	.082	.041	.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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020		
1.0	.169	.158	.147	.145	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.016		
2.0	.152	.133	.116	.130	.114	.101	.089	.079	.070	.051	.046	.041	.017	.015	.013		
3.0	.138	.113	.094	.118	.098	.081	.081	.068	.057	.047	.040	.034	.015	.013	.011		
4.0	.126	.098	.077	.108	.085	.067	.074	.059	.047	.043	.035	.028	.014	.011	.009		
5.0	.116	.086	.064	.100	.074	.056	.069	.052	.039	.040	.031	.023	.013	.010	.008		
6.0	.108	.076	.054	.093	.066	.047	.064	.046	.033	.037	.027	.020	.012	.009	.007		
7.0	.100	.068	.046	.086	.059	.040	.060	.042	.028	.035	.024	.017	.011	.008	.006		
8.0	.094	.062	.039	.081	.054	.034	.056	.038	.024	.033	.022	.015	.011	.007	.005		
9.0	.089	.056	.034	.076	.049	.030	.053	.034	.021	.031	.020	.013	.010	.007	.004		
10.0	.084	.052	.030	.072	.045	.026	.050	.032	.019	.029	.019	.011	.009	.006	.004		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2022-01-14

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:8.967m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.8V I:0.0492A P:10.46W PF:0.9626 Freq:49.99Hz Lamp Flux:742.605x1 lm										
NAME: SL5C-10W-927-30°					TYPE:Downlight			SERIAL No.:		
SPEC.:2700K					DIM.: φ70mm*H150mm					
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	13.0	13.7	13.2	13.8	14.0	12.8	13.5	13.0	13.7	13.8
3H	12.8	13.5	13.0	13.7	13.9	12.6	13.3	12.9	13.5	13.7
4H	12.7	13.4	13.0	13.6	13.8	12.5	13.2	12.8	13.4	13.6
6H	12.6	13.2	12.9	13.5	13.7	12.5	13.1	12.7	13.3	13.5
8H	12.6	13.2	12.9	13.4	13.7	12.4	13.0	12.7	13.2	13.5
12H	12.5	13.1	12.8	13.4	13.6	12.4	12.9	12.7	13.2	13.5
4H 2H	12.8	13.4	13.0	13.6	13.9	12.6	13.3	12.9	13.5	13.7
3H	12.6	13.2	12.9	13.4	13.7	12.4	13.0	12.7	13.3	13.5
4H	12.5	13.0	12.8	13.3	13.6	12.3	12.9	12.7	13.1	13.4
6H	12.4	12.9	12.8	13.2	13.5	12.2	12.7	12.6	13.0	13.4
8H	12.4	12.8	12.7	13.1	13.5	12.2	12.6	12.6	13.0	13.3
12H	12.3	12.7	12.7	13.1	13.4	12.1	12.5	12.5	12.9	13.3
8H 4H	12.4	12.8	12.7	13.1	13.5	12.2	12.6	12.6	13.0	13.3
6H	12.2	12.6	12.7	13.0	13.4	12.1	12.4	12.5	12.8	13.2
8H	12.2	12.5	12.6	12.9	13.4	12.0	12.3	12.5	12.7	13.2
12H	12.1	12.4	12.6	12.8	13.3	11.9	12.2	12.4	12.7	13.1
12H 4H	12.3	12.7	12.7	13.1	13.4	12.1	12.5	12.5	12.9	13.3
6H	12.2	12.5	12.6	12.9	13.4	12.0	12.3	12.5	12.7	13.2
8H	12.1	12.4	12.6	12.8	13.3	11.9	12.2	12.4	12.7	13.1
Variations with the observer position at spacings:										
S = 1.0H	+ 2.8 / - 7.2					+ 2.5 / - 6.7				
1.5H	+ 4.2 / - 5.0					+ 3.8 / - 4.4				
2.0H	+ 4.9 / - 7.7					+ 4.3 / - 6.5				

CIE Pub.117, 742.6 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -1.0$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2022-01-14

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:8.967m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.8V I:0.0492A P:10.46W PF:0.9626 Freq:49.99Hz Lamp Flux:742.605x1 lm		
NAME: SL5C-10W-927-30°	TYPE:Downlight	SERIAL No.:
SPEC.:2700K	DIM.: φ70mm*H150mm	
MFR.: NEKO LIGHTING AG		

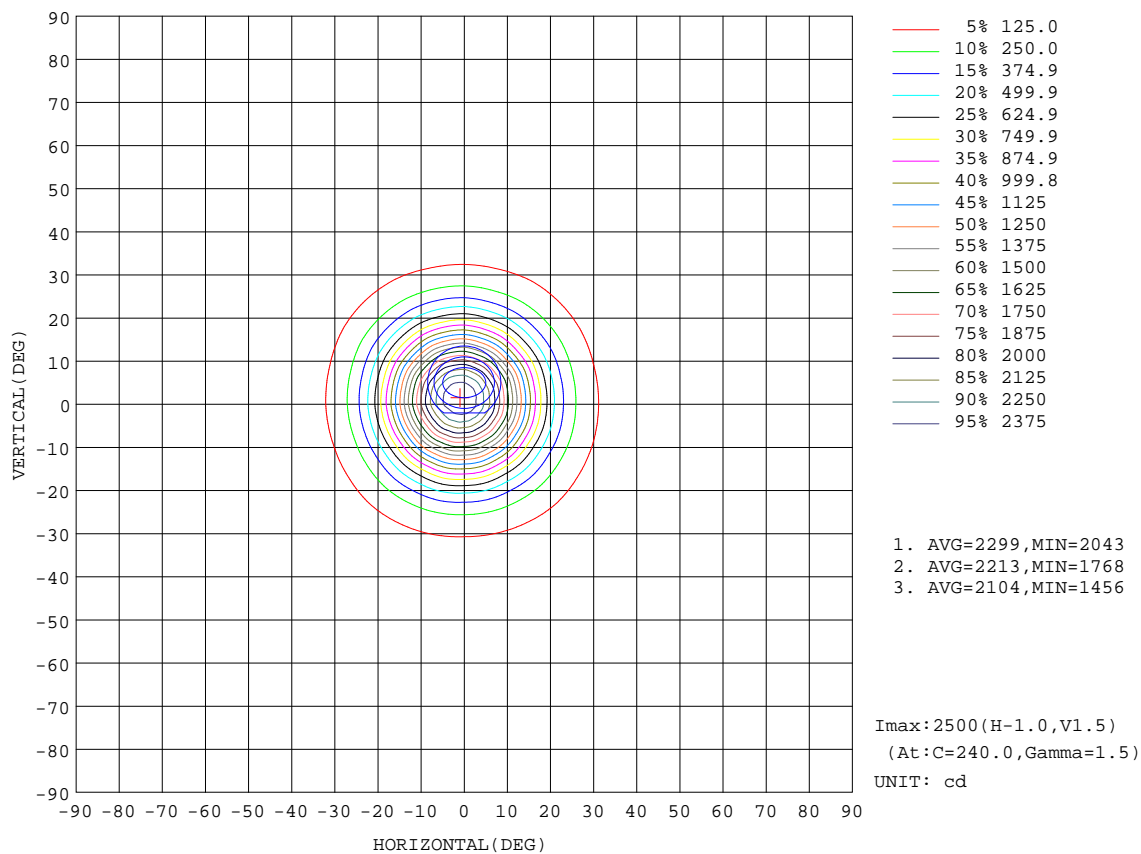
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	79	89	83	79	88	83	79	76
0.80	96	91	87	96	90	87	95	90	87	83
1.00	101	95	92	100	95	92	98	95	91	87
1.25	104	99	96	103	99	96	101	98	95	91
1.50	107	102	99	106	102	99	103	100	98	93
2.00	109	105	102	108	104	102	105	102	100	95
2.50	111	107	104	109	106	104	106	104	102	96
3.00	112	109	106	111	108	105	107	105	103	97
4.00	114	112	110	112	110	108	109	107	105	98
5.00	115	113	112	113	111	110	109	108	107	99
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:Jason
 Test Date:2022-01-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:58%
 Test Distance:8.967m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.8V I:0.0492A P:10.46W PF:0.9626 Freq:49.99Hz Lamp Flux:742.605x1 lm		
NAME: SL5C-10W-927-30°	TYPE:Downlight	SERIAL No.:
SPEC.:2700K	DIM.: φ70mm*H150mm	
MFR.: NEKO LIGHTING AG		



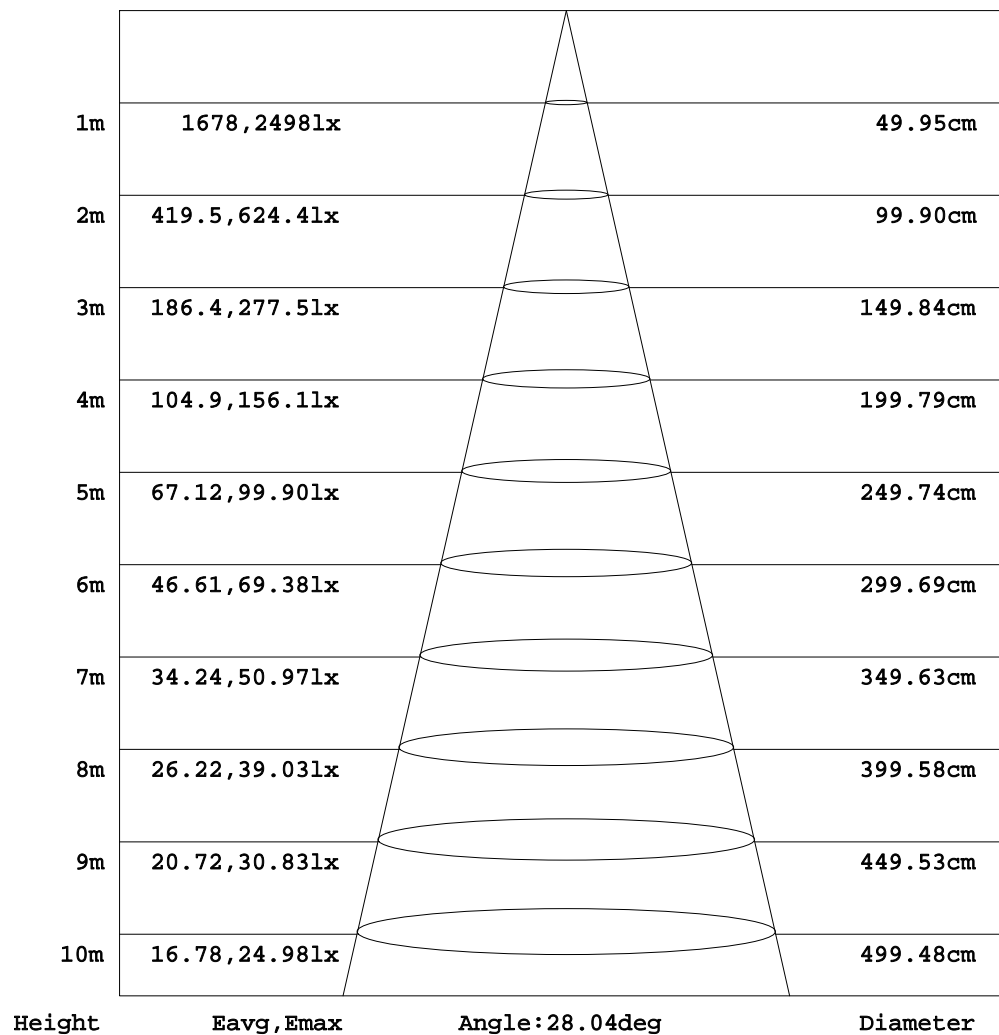
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2022-01-14

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:8.967m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.8V I:0.0492A P:10.46W PF:0.9626 Freq:49.99Hz Lamp Flux:742.605x1 lm		
NAME: SL5C-10W-927-30°	TYPE:Downlight	SERIAL No.:
SPEC.:2700K	DIM.: φ70mm*H150mm	
MFR.: NEKO LIGHTING AG		

Flux out:352.6 lm



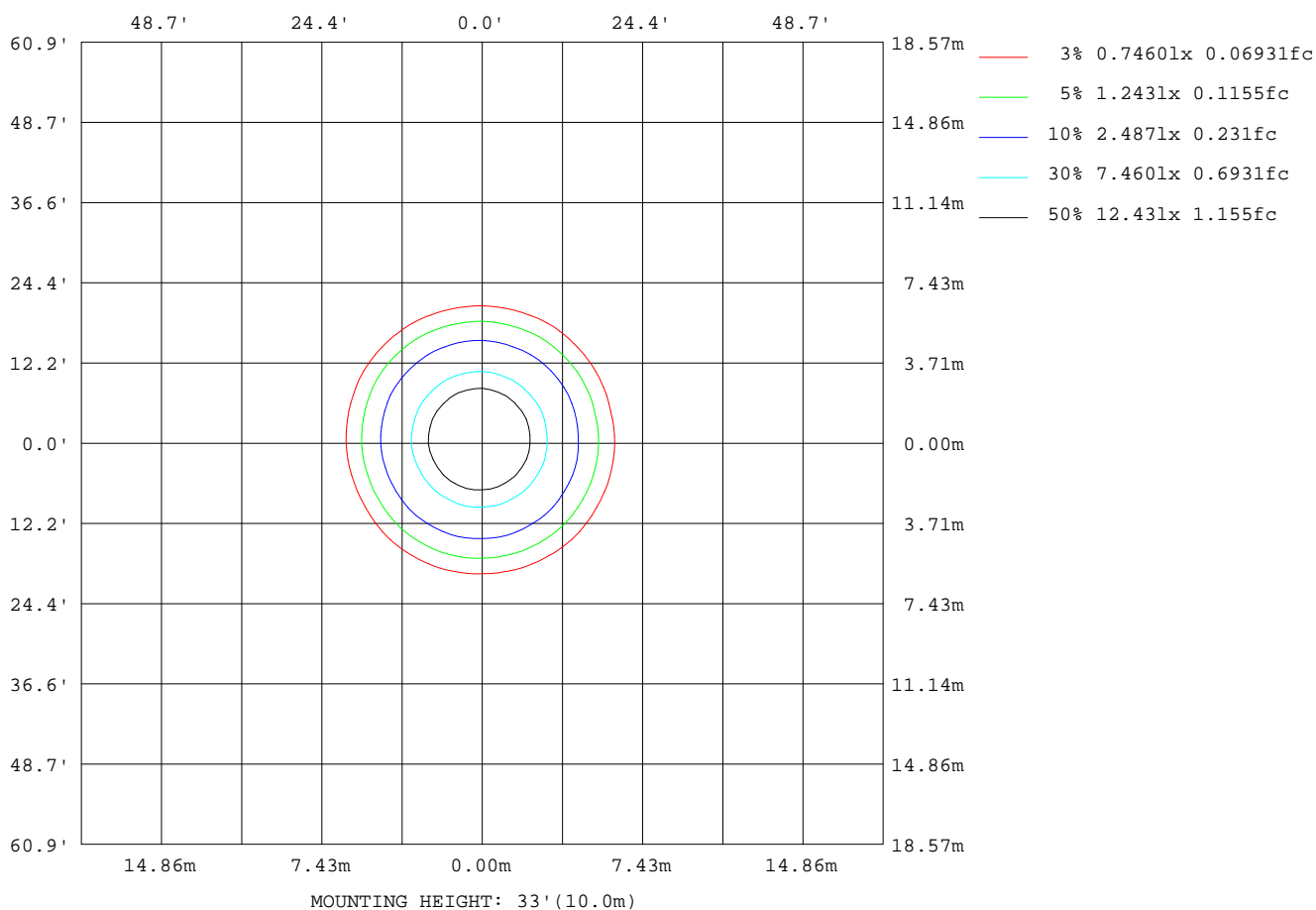
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2022-01-14

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:8.967m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.8V I:0.0492A P:10.46W PF:0.9626 Freq:49.99Hz Lamp Flux:742.605x1 lm		
NAME: SL5C-10W-927-30°	TYPE:Downlight	SERIAL No.:
SPEC.:2700K	DIM.: ϕ 70mm*H150mm	
MFR.: NEKO LIGHTING AG		



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2022-01-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:8.967m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.8V I:0.0492A P:10.46W PF:0.9626 Freq:49.99Hz Lamp Flux:742.605x1 lm		
NAME: SL5C-10W-927-30°	TYPE:Downlight	SERIAL No.:
SPEC.:2700K	DIM.: φ70mm*H150mm	
MFR.: NEKO LIGHTING AG		

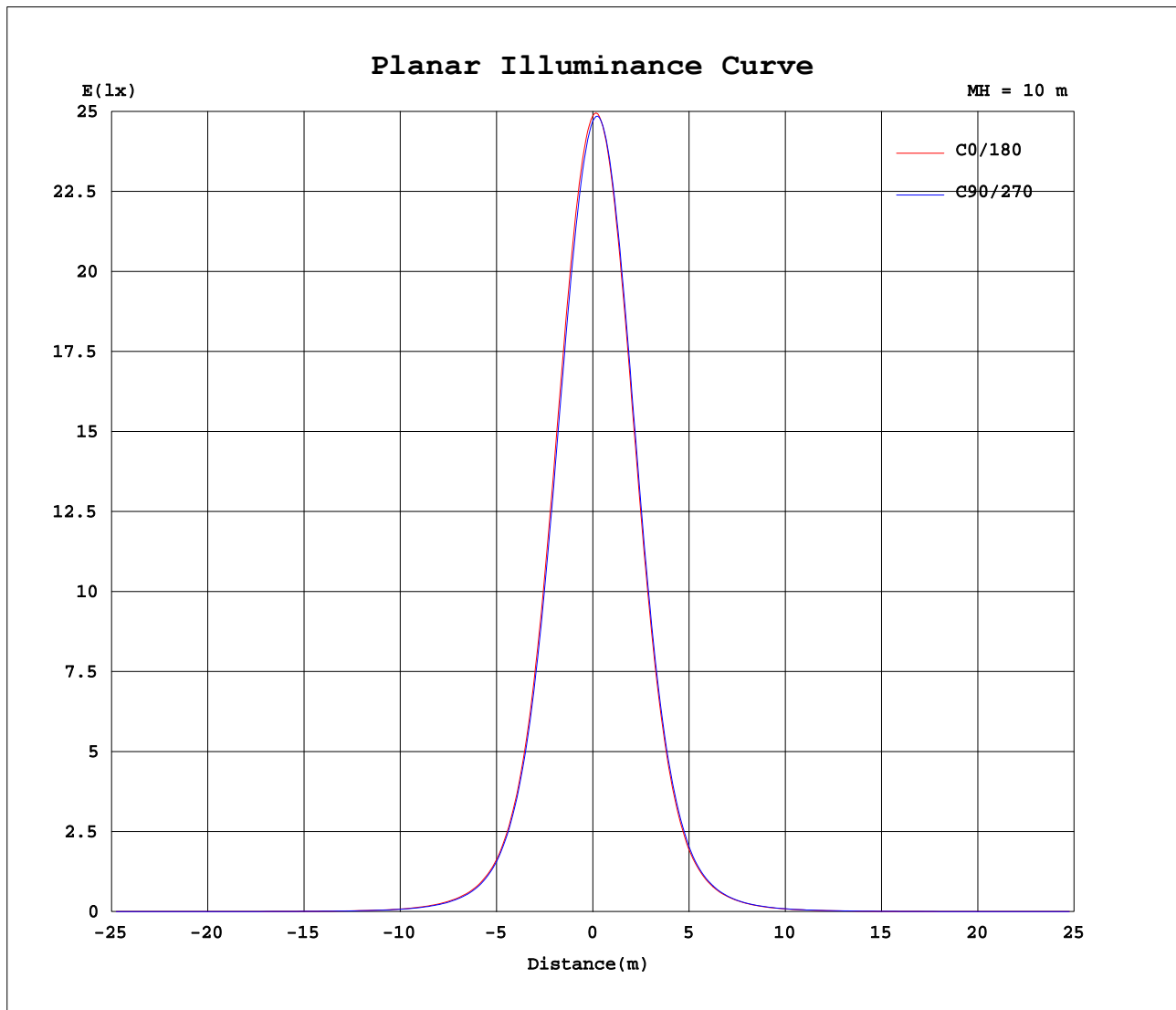
AvgL	cd/m2
L_0~180 (65) av	352
L_0~180 (75) av	16
L_0~180 (85) av	23
L_90~270 (65) av	688
L_90~270 (75) av	18
L_90~270 (85) av	24
L_45 (65) av	1109
L_45 (75) av	14
L_45 (85) av	23

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2022-01-14

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:8.967m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jason
Test Date: 2022-01-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 58%
Test Distance: 8.967m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:8.967m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:8.967m [K=1.0000]
Remarks:

```