

LED Tracklight PURE S-21W-830-25



Light Output Ratio:	100.0%	
Luminaire Power:	20.56 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	1.00	fine grid method.

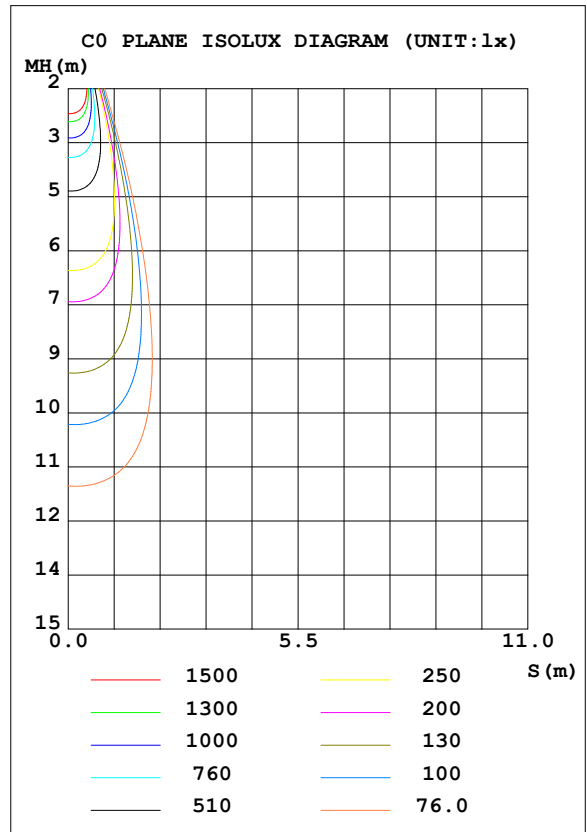
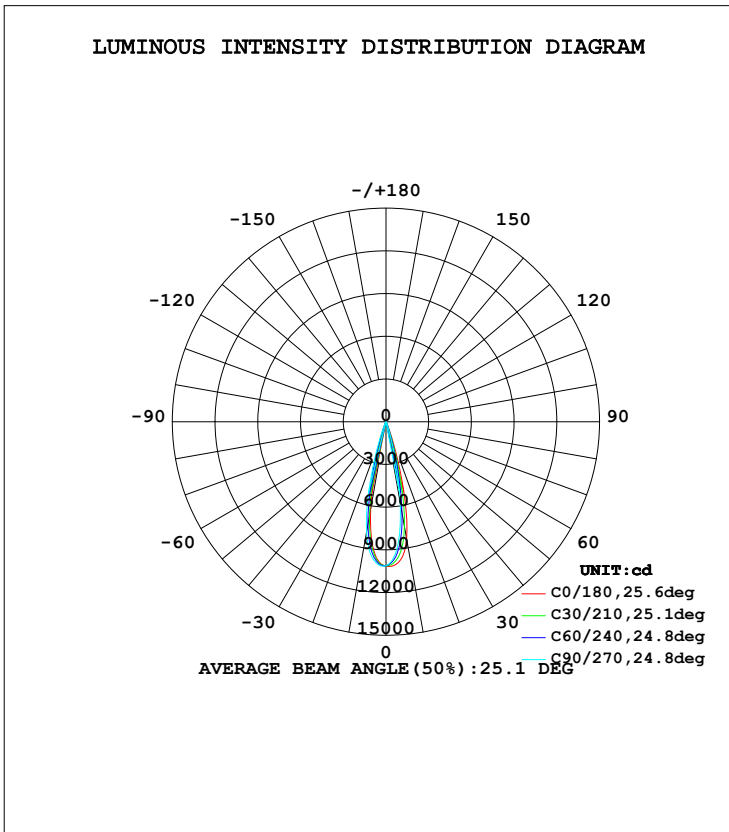
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-05-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 52%
Test Distance: 5.850m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.7V I:0.0992A P:20.56W PF:0.9392 Lamp Flux:1984.5x1 lm		
NAME: PURE S-21W-830-25	TYPE:Tracklight	SERIAL No.:
SPEC.:3000K	DIM.: φ70mm*H138mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 96.54 lm/W			
MODEL	CITIZEN-3000K	I _{max} (cd)	10178	S/MH (C0/180)	0.36
NOMINAL POWER (W)	20	LOR (%)	100.0	S/MH (C90/270)	0.43
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	1984.5	η UP, DN (C0-180)	0.0, 45.0
NOMINAL FLUX (lm)	1984.5	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 55.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	1.00



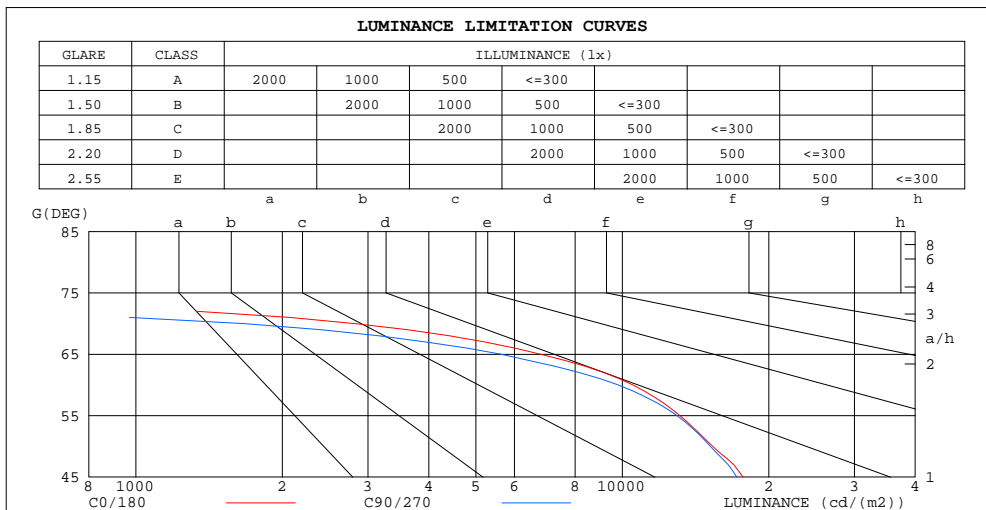
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**ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	834.8	707.3	576.6	561.6	622.2	690.9	789.3	858.0	0- 10	827.9	827.9	41.7,41.7
20	119.2	76.67	54.03	43.09	53.38	71.99	118.6	148.0	10- 20	896.7	1725	86.9,86.9
30	13.18	12.54	10.94	9.839	10.86	11.66	13.91	13.70	20- 30	135.8	1860	93.7,93.7
40	6.006	5.839	5.658	5.355	5.636	5.777	6.087	6.005	30- 40	50.80	1911	96.3,96.3
50	3.793	3.723	3.751	3.469	3.734	3.732	4.004	3.809	40- 50	36.20	1947	98.1,98.1
60	2.022	2.001	1.885	1.753	1.899	1.987	2.175	2.107	50- 60	25.65	1973	99.4,99.4
70	0.3715	0.3062	0.2200	0.1816	0.2391	0.3199	0.4263	0.4361	60- 70	10.61	1984	100,100
80	0.0164	0.0131	0.0153	0.0131	0.0142	0.0162	0.0146	0.0166	70- 80	0.7349	1984	100,100
90	0.0068	0.0068	0.0074	0.0074	0.0077	0.0070	0.0072	0.0072	80- 90	0.1059	1985	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: $\times 10cd$									UNIT: lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	294	274
80	246	229
75	283	255
70	2824	1672
65	6789	5630
60	10514	9803
55	13134	12958
50	15341	15172
45	17705	17195

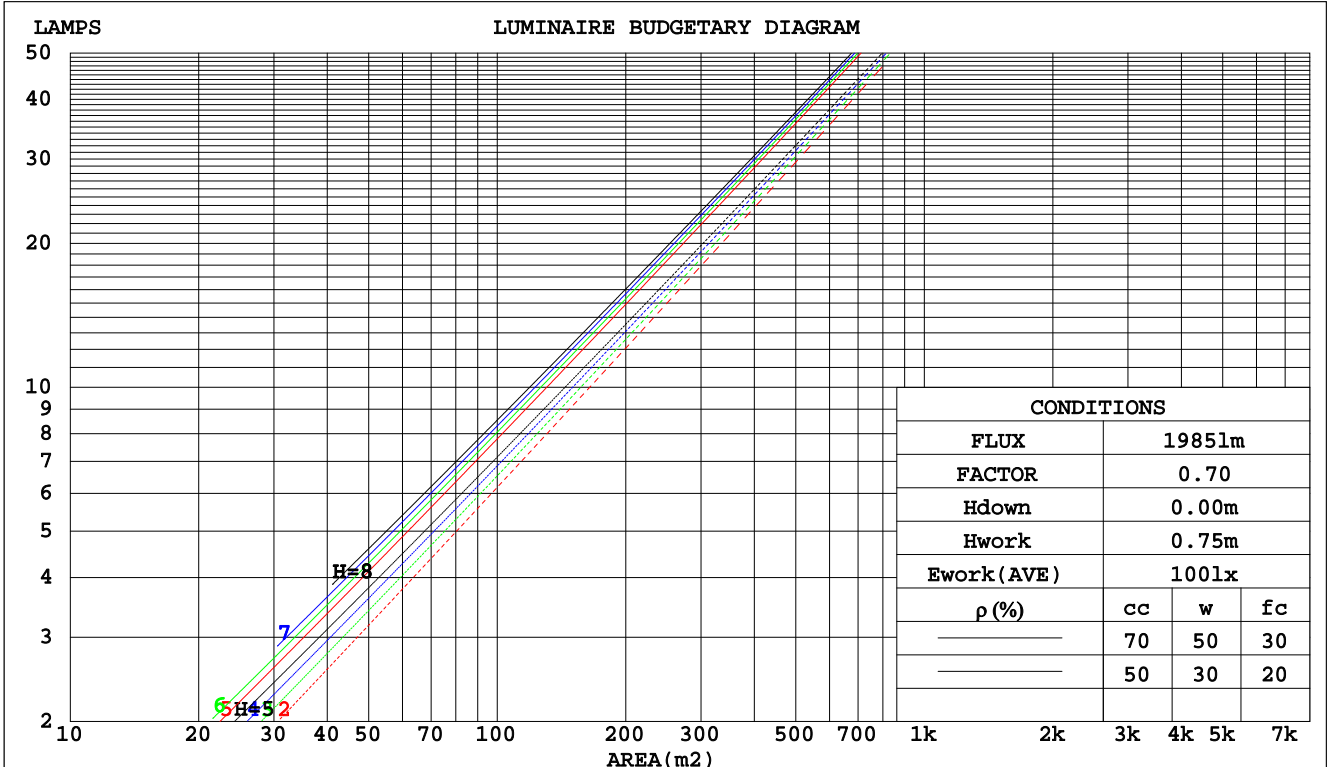
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Humidity: 52%
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Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.7V I:0.0992A P:20.56W PF:0.9392 Lamp Flux:1984.5x1 lm		
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SPEC.:3000K	DIM.: φ70mm*H138mm	
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															
	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	1.13	1.11	1.10	1.11	1.09	1.08	1.07	1.06	1.05	1.03	1.02	1.01	.00	.99	.99	.97
2.0	1.08	1.05	1.03	1.06	1.04	1.01	1.03	1.01	.99	1.00	.99	.97	.98	.96	.95	.94
3.0	1.04	1.00	.97	1.02	.99	.97	.00	.97	.95	.98	.95	.94	.95	.94	.92	.91
4.0	.00	.96	.93	.99	.95	.93	.97	.94	.92	.95	.93	.91	.93	.91	.90	.88
5.0	.96	.93	.90	.96	.92	.89	.94	.91	.88	.93	.90	.88	.91	.89	.87	.86
6.0	.93	.89	.87	.93	.89	.86	.91	.88	.86	.90	.87	.85	.89	.87	.85	.84
7.0	.91	.87	.84	.90	.86	.84	.89	.86	.83	.88	.85	.83	.87	.85	.83	.82
8.0	.88	.84	.82	.88	.84	.82	.87	.84	.81	.86	.83	.81	.85	.83	.81	.80
9.0	.86	.82	.80	.86	.82	.80	.85	.82	.79	.84	.81	.79	.84	.81	.79	.78
10.0	.84	.80	.78	.84	.80	.78	.83	.80	.78	.82	.79	.77	.82	.79	.77	.76



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WEC AND CCEC

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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	.134	.076	.024	.127	.072	.023	.115	.066	.021	.103	.060	.019	.093	.054	.017	
2.0	.124	.068	.021	.118	.065	.020	.108	.060	.019	.099	.055	.017	.090	.051	.016	
3.0	.115	.061	.018	.110	.059	.018	.102	.055	.017	.094	.051	.016	.087	.048	.015	
4.0	.107	.056	.016	.103	.054	.016	.096	.051	.015	.090	.048	.014	.083	.045	.014	
5.0	.100	.051	.015	.097	.050	.015	.091	.047	.014	.085	.045	.013	.080	.043	.013	
6.0	.094	.047	.014	.092	.046	.013	.087	.044	.013	.082	.042	.012	.077	.041	.012	
7.0	.089	.044	.013	.087	.043	.012	.082	.042	.012	.078	.040	.012	.074	.039	.011	
8.0	.085	.041	.012	.083	.041	.012	.079	.039	.011	.075	.038	.011	.072	.037	.011	
9.0	.081	.039	.011	.079	.038	.011	.075	.037	.011	.072	.036	.010	.069	.035	.010	
10.0	.077	.037	.010	.075	.036	.010	.072	.035	.010	.070	.035	.010	.067	.034	.010	

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	.168	.158	.148	.144	.135	.128	.098	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.150	.133	.118	.128	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.135	.113	.096	.115	.098	.083	.079	.068	.059	.046	.040	.035	.015	.013	.011	
4.0	.122	.098	.079	.105	.085	.069	.072	.059	.049	.042	.035	.029	.013	.011	.009	
5.0	.111	.085	.067	.095	.074	.058	.066	.052	.041	.038	.030	.024	.012	.010	.008	
6.0	.102	.075	.056	.088	.065	.049	.060	.046	.035	.035	.027	.021	.011	.009	.007	
7.0	.094	.067	.048	.081	.058	.042	.056	.041	.030	.032	.024	.018	.010	.008	.006	
8.0	.087	.060	.042	.075	.052	.036	.052	.037	.026	.030	.022	.015	.010	.007	.005	
9.0	.082	.054	.036	.070	.047	.032	.049	.033	.022	.028	.020	.013	.009	.006	.004	
10.0	.076	.050	.032	.066	.043	.028	.046	.030	.020	.027	.018	.012	.009	.006	.004	

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 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity:52%
 Test Distance:5.850m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

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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	13.5	14.1	13.7	14.2	14.4	13.2	13.9	13.4	14.0	14.2
3H	13.6	14.2	13.9	14.4	14.6	13.3	13.9	13.5	14.1	14.2
4H	13.6	14.1	13.8	14.3	14.5	13.2	13.8	13.5	14.0	14.2
6H	13.5	14.0	13.7	14.2	14.5	13.1	13.7	13.4	13.9	14.1
8H	13.4	13.9	13.7	14.2	14.4	13.1	13.6	13.4	13.8	14.1
12H	13.4	13.9	13.7	14.1	14.4	13.0	13.5	13.4	13.8	14.1
4H 2H	13.7	14.2	13.9	14.4	14.6	13.4	14.0	13.7	14.2	14.4
3H	13.8	14.3	14.1	14.5	14.8	13.5	14.0	13.8	14.2	14.5
4H	13.7	14.1	14.0	14.4	14.7	13.4	13.8	13.7	14.1	14.4
6H	13.6	14.0	13.9	14.3	14.6	13.3	13.7	13.6	14.0	14.3
8H	13.5	13.9	13.9	14.2	14.6	13.2	13.6	13.6	13.9	14.3
12H	13.5	13.8	13.9	14.2	14.6	13.2	13.5	13.6	13.9	14.3
8H 4H	13.5	13.9	13.9	14.3	14.6	13.2	13.6	13.6	14.0	14.3
6H	13.4	13.7	13.8	14.1	14.5	13.1	13.4	13.5	13.8	14.2
8H	13.4	13.6	13.8	14.0	14.5	13.1	13.3	13.5	13.7	14.2
12H	13.3	13.5	13.8	14.0	14.4	13.0	13.2	13.5	13.7	14.1
12H 4H	13.5	13.8	13.9	14.2	14.6	13.2	13.5	13.6	13.9	14.3
6H	13.4	13.6	13.8	14.0	14.5	13.1	13.3	13.5	13.7	14.2
8H	13.3	13.5	13.8	14.0	14.4	13.0	13.2	13.5	13.7	14.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.8 / - 1.2					+ 0.8 / - 1.2				
1.5H	+ 0.4 / - 0.7					+ 0.3 / - 0.8				
2.0H	+ 1.2 / - 2.3					+ 1.4 / - 2.6				

CIE Pub.117 Corrected 1985 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.4)

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 Remarks:

UTILIZATION FACTORS TABLE

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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	80	89	83	80	88	83	79	76
0.80	96	91	87	96	91	87	95	90	87	83
1.00	100	95	92	100	95	91	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	101	105	102	100	95
2.50	111	107	104	109	106	103	106	104	102	96
3.00	112	109	106	110	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			

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ISOCANDELA DIAGRAM

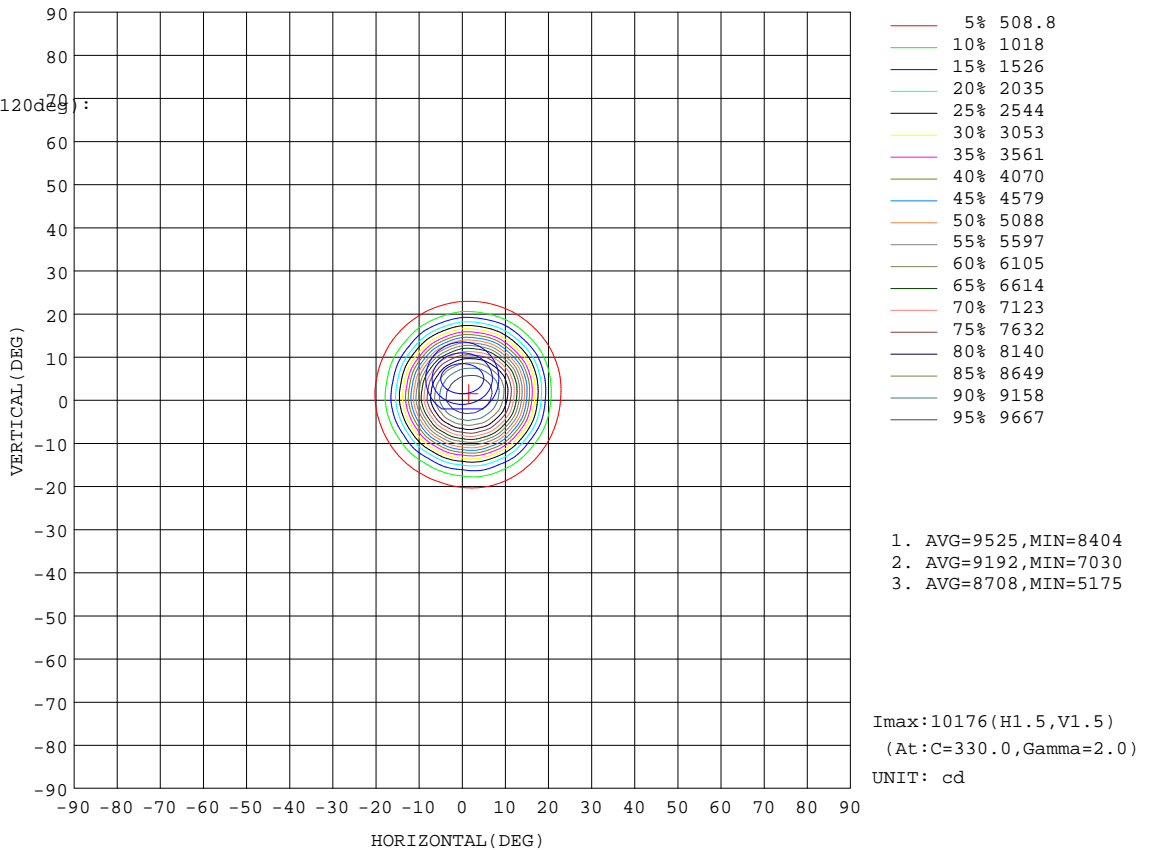
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Conical surface Flux(90deg):

1930.4 lm
%lum = 97.3%
%lamp = 97.3%

Conical surface Flux(120deg):

1973.1 lm
%lum = 99.4%
%lamp = 99.4%



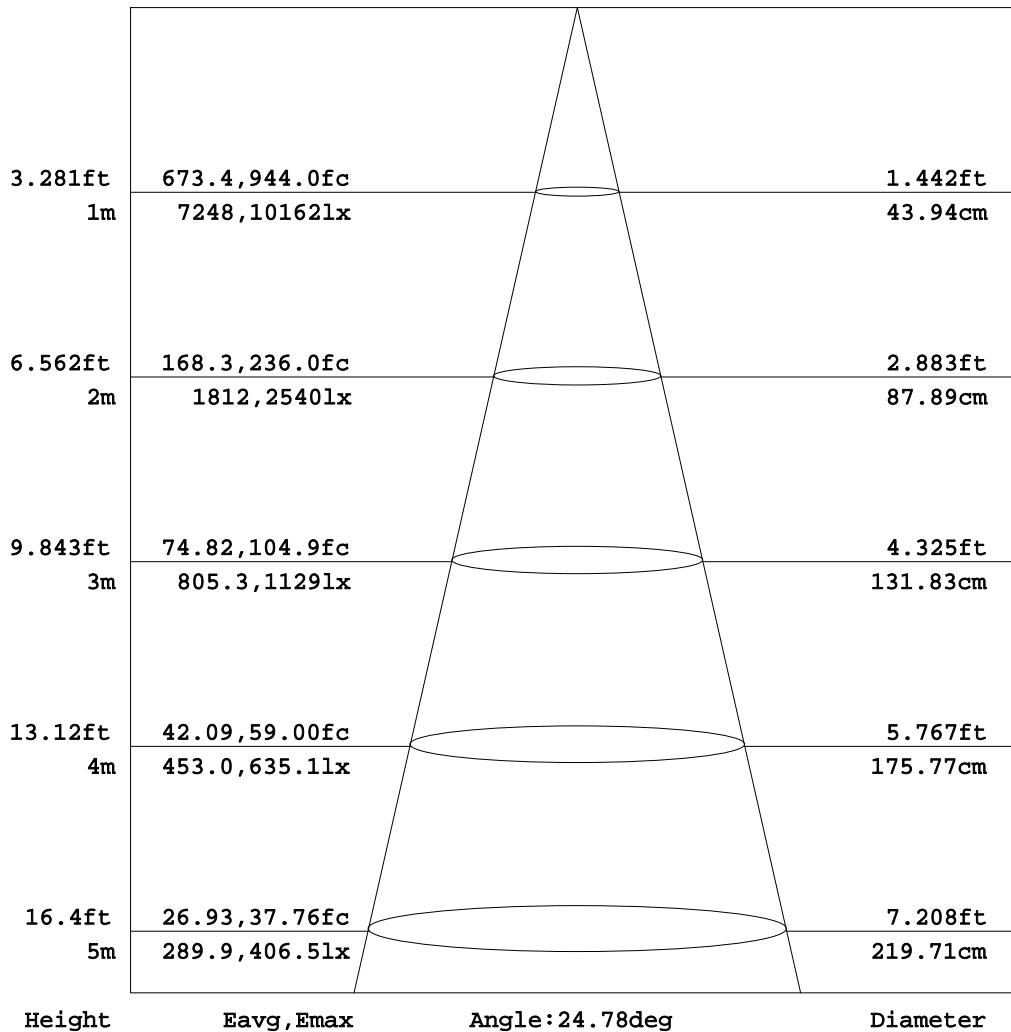
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AAI Figure

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Flux out:1214 lm



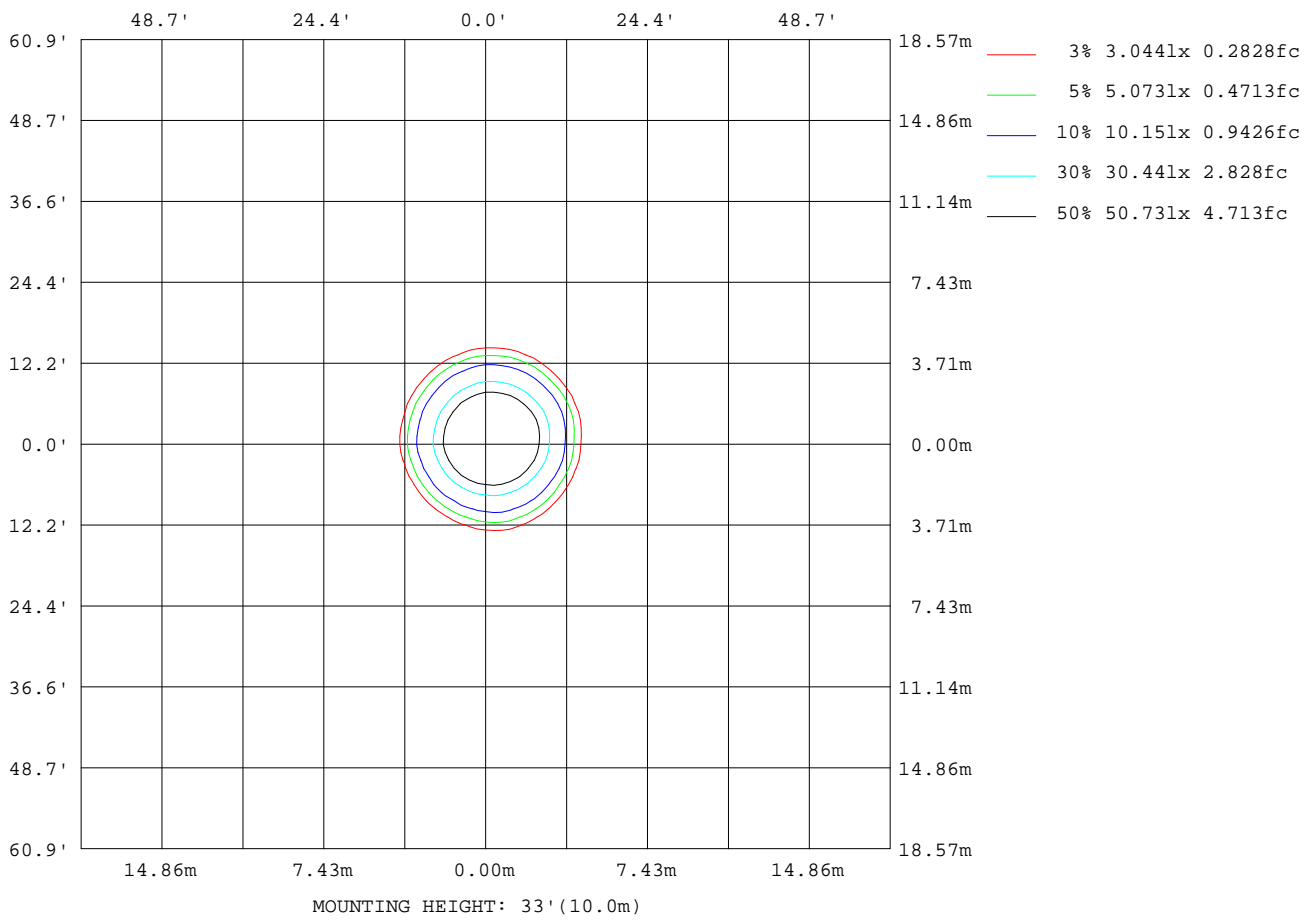
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

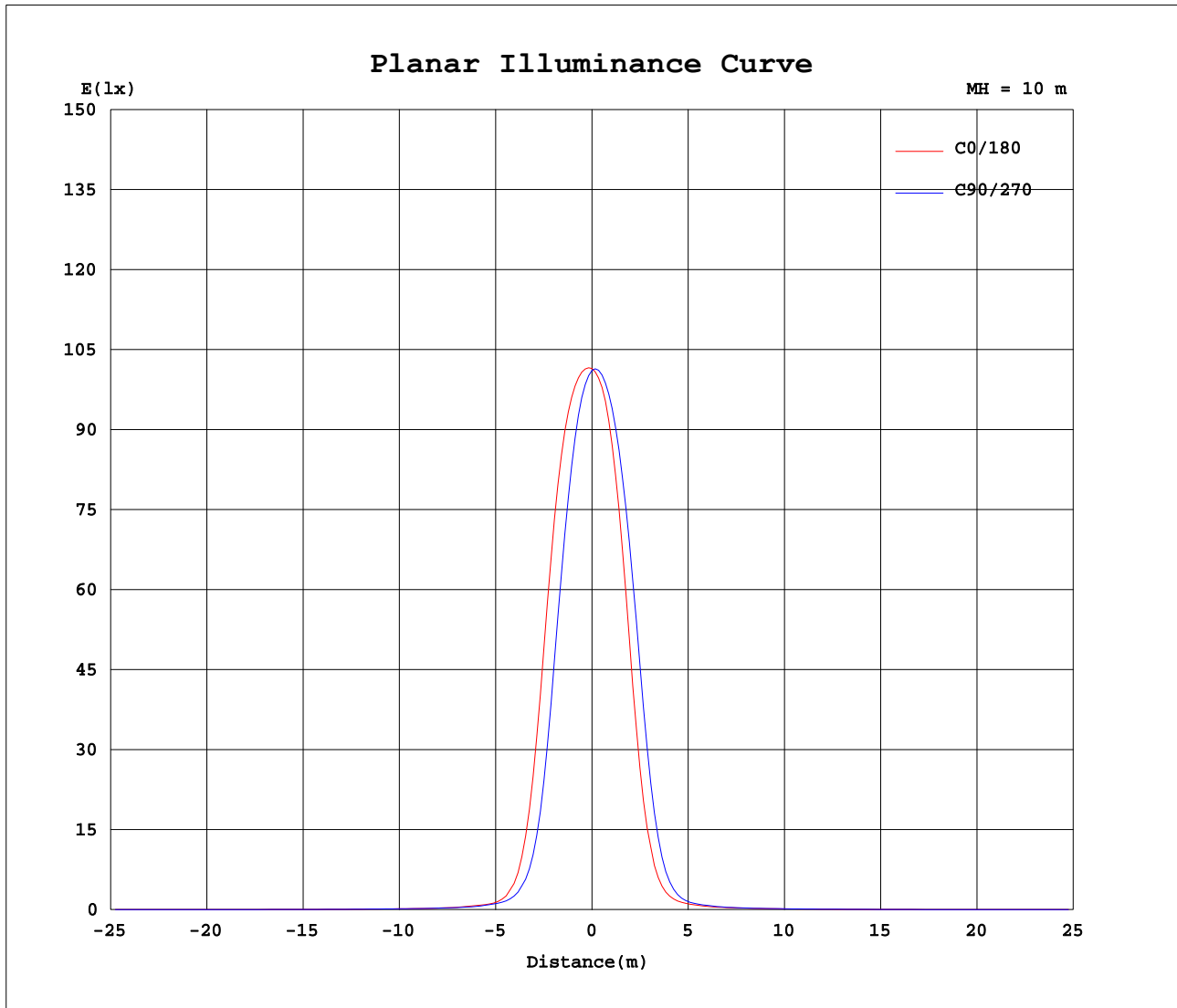
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Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

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Table--1

UNIT: ×10cd

C (DEG) \ γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1015	1013	1013	1012	1012	1012	1011	1012	1011	1012	1011	1012	1015	1013	1013	1012	1012	1012	1011
5	993	980	961	945	923	912	894	892	886	896	898	912	927	930	940	945	958	966	978
10	835	803	747	707	653	619	577	565	549	562	562	589	622	633	669	691	731	754	789
15	448	413	353	314	265	240	205	192	178	186	188	205	227	236	269	292	339	371	421
20	119	105	85.3	76.7	66.9	61.8	54.0	46.3	42.5	43.1	42.9	47.2	53.4	58.9	65.2	72.0	87.1	99.4	119
25	26.5	24.5	22.2	21.5	21.0	20.7	18.9	17.2	15.9	16.2	16.3	17.2	18.4	18.5	19.8	20.8	23.2	25.4	29.0
30	13.2	13.0	12.7	12.5	12.4	12.0	10.9	10.3	9.48	9.84	10.0	10.3	10.9	11.1	11.5	11.7	12.3	13.1	13.9
35	8.38	8.22	7.91	7.88	7.67	7.58	7.39	7.13	6.68	6.95	7.04	7.11	7.27	7.33	7.53	7.72	7.95	8.14	8.41
40	6.01	5.96	5.73	5.84	5.74	5.73	5.66	5.45	5.08	5.35	5.48	5.52	5.64	5.60	5.62	5.78	5.95	5.96	6.09
45	4.82	4.74	4.54	4.73	4.69	4.71	4.68	4.52	4.19	4.42	4.52	4.54	4.64	4.58	4.56	4.68	4.87	4.86	4.97
50	3.79	3.77	3.67	3.72	3.76	3.82	3.75	3.62	3.34	3.47	3.54	3.60	3.73	3.74	3.79	3.73	3.89	3.91	4.00
55	2.90	2.98	2.94	2.88	2.91	2.94	2.86	2.77	2.60	2.63	2.66	2.72	2.84	2.87	2.96	2.87	2.96	3.01	3.09
60	2.02	2.09	2.03	2.00	1.96	1.96	1.89	1.84	1.75	1.75	1.74	1.80	1.90	1.94	2.01	1.99	2.06	2.10	2.17
65	1.10	1.12	1.06	1.04	0.98	0.97	0.92	0.89	0.84	0.84	0.82	0.87	0.95	0.97	1.03	1.04	1.11	1.14	1.21
70	0.37	0.37	0.32	0.31	0.27	0.25	0.22	0.21	0.18	0.18	0.18	0.20	0.24	0.26	0.30	0.32	0.36	0.39	0.43
75	0.03	0.03	0.03	0.02	0.03	0.02	0.03	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
80	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.01	0.02	0.01	0.02	0.01	0.02	0.01
85	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
90	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-05-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity:52%
 Test Distance:5.850m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:0.0992A P:20.56W PF:0.9392 Lamp Flux:1984.5x1 lm		
NAME: PURE S-21W-830-25	TYPE:Tracklight	SERIAL No.:
SPEC.:3000K	DIM.: φ70mm*H138mm	
MFR.: NEKO LIGHTING AG		

Table--2

UNIT: x10cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	1012	1011	1012	1011	1012													
5	985	995	1001	1006	1002													
10	811	844	858	877	868													
15	443	486	497	518	495													
20	128	149	148	161	142													
25	30.5	32.7	32.4	32.6	29.9													
30	14.2	14.2	13.7	13.7	13.5													
35	8.55	8.55	8.69	8.72	8.62													
40	6.03	5.92	6.00	6.13	6.05													
45	4.86	4.65	4.76	4.88	4.85													
50	3.91	3.71	3.81	3.91	3.84													
55	3.03	2.91	2.93	3.02	2.95													
60	2.16	2.14	2.11	2.13	2.07													
65	1.21	1.24	1.20	1.20	1.15													
70	0.43	0.45	0.44	0.44	0.41													
75	0.03	0.03	0.03	0.03	0.03													
80	0.02	0.01	0.02	0.01	0.02													
85	0.01	0.01	0.01	0.01	0.01													
90	0.01	0.01	0.01	0.01	0.01													

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-05-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity:52%
 Test Distance:5.850m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

G/C	0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0
0.0	10146	10135	10130	10125	10119	10121	10111	10118	10108	10116
3.0	10120	10050	9949	9883	9775	9724	9640	9641	9607	9659
6.0	9768	9601	9343	9135	8841	8693	8460	8423	8353	8457
9.0	8845	8567	8071	7735	7229	6941	6536	6451	6294	6439
12.0	7034	6658	6014	5546	4950	4593	4129	4003	3824	3926
15.0	4480	4134	3526	3139	2654	2396	2046	1922	1777	1857
18.0	2190	1960	1609	1473	1191	1076	893.0	804.7	736.1	766.5
21.0	854.7	755.6	620.6	567.9	529.5	475.0	404.6	360.9	331.1	332.9
24.0	341.1	312.6	275.6	263.0	249.8	244.0	218.2	198.1	183.0	185.6
27.0	177.3	169.3	161.0	161.7	162.8	163.7	153.0	138.9	126.5	132.8
30.0	131.8	129.9	127.0	125.4	123.6	119.7	109.4	103.1	94.83	98.39
33.0	102.4	99.59	94.55	92.57	89.14	87.11	83.68	80.82	75.69	78.06
36.0	77.51	76.31	73.81	73.79	72.02	71.27	69.87	67.24	63.01	65.76
39.0	64.06	63.25	60.81	61.70	60.43	60.25	59.26	57.18	53.28	56.20
42.0	54.50	54.13	51.89	53.39	52.64	52.70	52.39	50.40	46.92	49.49
45.0	48.15	47.44	45.41	47.31	46.86	47.07	46.77	45.25	41.93	44.19
48.0	42.23	41.54	40.11	41.27	41.36	41.84	41.31	39.97	36.93	38.70
51.0	36.02	36.16	35.28	35.49	35.86	36.42	35.74	34.53	31.83	32.93
54.0	30.71	31.49	30.96	30.53	30.80	31.27	30.42	29.41	27.47	27.95
57.0	25.53	26.38	25.90	25.43	25.44	25.67	24.79	24.11	22.77	22.88
60.0	20.22	20.87	20.27	20.01	19.62	19.63	18.85	18.42	17.52	17.53
63.0	14.72	15.01	14.38	14.12	13.55	13.45	12.76	12.49	11.86	11.79
66.0	9.409	9.518	8.937	8.740	8.189	8.007	7.509	7.317	6.814	6.802
69.0	4.989	4.976	4.481	4.277	3.853	3.720	3.315	3.191	2.903	2.883
72.0	1.587	1.538	1.232	1.045	0.7934	0.7277	0.5722	0.5366	0.5039	0.4996
75.0	0.2817	0.2555	0.2590	0.2403	0.2542	0.2381	0.2543	0.2446	0.2607	0.2403
78.0	0.1992	0.1704	0.1904	0.1682	0.1861	0.1682	0.1883	0.1682	0.1839	0.1638
81.0	0.1488	0.1201	0.1401	0.1158	0.1357	0.1136	0.1379	0.1157	0.1336	0.1158
84.0	0.1116	0.0830	0.1029	0.0808	0.1007	0.0808	0.1028	0.0787	0.1029	0.0830
87.0	0.0832	0.0656	0.0832	0.0678	0.0831	0.0700	0.0853	0.0700	0.0832	0.0722
90.0	0.0678	0.0656	0.0678	0.0678	0.0700	0.0700	0.0743	0.0743	0.0743	0.0743
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	10108	10115	10146	10135	10130	10125	10119	10121	10111	10118
3.0	9672	9744	9831	9845	9894	9913	9972	10006	10064	10097
6.0	8484	8665	8849	8897	9034	9108	9282	9391	9551	9653
9.0	6447	6726	7013	7113	7414	7598	7926	8119	8416	8621
12.0	3924	4178	4481	4607	5027	5328	5825	6126	6592	6823
15.0	1879	2055	2266	2357	2688	2922	3390	3706	4207	4435
18.0	769.5	852.1	962.9	1019	1192	1311	1634	1786	2111	2255
21.0	329.3	361.1	407.2	426.1	489.6	563.4	643.7	735.1	878.7	940.5
24.0	184.0	196.6	213.9	216.9	237.3	253.4	288.2	318.5	372.5	392.9
27.0	134.1	139.3	146.9	146.4	151.5	154.8	167.6	179.3	196.7	203.6
30.0	100.1	103.1	108.6	110.6	115.0	116.6	123.0	130.5	139.1	142.0
33.0	78.91	80.04	82.41	83.43	86.80	89.27	92.96	96.74	101.7	104.9
36.0	66.79	67.36	68.79	69.22	70.77	72.53	74.51	75.73	77.88	78.73
39.0	57.37	57.96	59.13	58.91	59.38	61.00	62.76	63.23	64.45	64.44
42.0	50.71	50.96	51.94	51.34	51.09	52.71	54.35	54.38	55.37	54.41
45.0	45.22	45.38	46.39	45.80	45.60	46.85	48.68	48.59	49.72	48.64
48.0	39.63	40.09	41.22	41.07	41.38	41.45	43.32	43.36	44.37	43.46
51.0	33.62	34.20	35.51	35.68	36.24	35.50	36.87	37.13	38.07	37.28
54.0	28.38	28.98	30.23	30.53	31.37	30.48	31.39	31.83	32.66	32.06
57.0	23.00	23.56	24.72	25.14	25.96	25.32	26.09	26.57	27.28	26.92
60.0	17.42	17.97	18.99	19.40	20.13	19.87	20.60	21.03	21.75	21.56
63.0	11.70	12.23	13.12	13.47	14.16	14.14	14.91	15.29	16.00	15.96
66.0	6.691	7.096	7.850	8.100	8.654	8.797	9.426	9.727	10.37	10.38
69.0	2.782	3.087	3.566	3.751	4.224	4.407	4.923	5.147	5.621	5.683
72.0	0.5298	0.5193	0.6188	0.7099	1.019	1.114	1.471	1.648	1.961	2.001
75.0	0.2564	0.2512	0.2598	0.2848	0.2815	0.2960	0.2924	0.3054	0.3228	0.3298
78.0	0.1926	0.1726	0.1748	0.1969	0.1769	0.1970	0.1791	0.2013	0.1835	0.2014
81.0	0.1401	0.1223	0.1288	0.1488	0.1288	0.1488	0.1310	0.1488	0.1354	0.1488
84.0	0.1051	0.0917	0.0917	0.1159	0.0917	0.1137	0.0939	0.1116	0.0961	0.1160
87.0	0.0832	0.0765	0.0743	0.0897	0.0700	0.0853	0.0678	0.0875	0.0722	0.0919
90.0	0.0765	0.0765	0.0765	0.0743	0.0700	0.0700	0.0700	0.0743	0.0722	0.0722
G/C	300.0	315.0	330.0	345.0						
0.0	10108	10116	10108	10115						
3.0	10139	10160	10171	10153						
6.0	9789	9865	9941	9897						
9.0	8899	9029	9188	9114						
12.0	7213	7391	7605	7459						
15.0	4858	4969	5178	4953						
18.0	2526	2596	2732	2544						
21.0	1058	1086	1137	1029						

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: Meng Yongjian

Test Date: 2017-05-19

γ Range: 0 - 90DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288

Humidity: 52%

Test Distance: 5.850m [K=1.0000]

Remarks:

Photometric Data Table [cd]

24.0	428.5	427.1	437.2	396.3
27.0	210.9	203.6	203.1	192.4
30.0	142.1	137.0	137.1	135.0
33.0	105.6	106.6	105.8	105.5
36.0	78.19	79.33	79.91	78.88
39.0	63.21	64.32	65.12	64.61
42.0	53.02	53.93	55.38	54.99
45.0	46.55	47.57	48.77	48.48
48.0	41.27	42.23	43.36	42.82
51.0	35.36	36.23	37.22	36.52
54.0	30.66	31.02	31.95	31.23
57.0	26.13	26.05	26.70	26.00
60.0	21.38	21.07	21.30	20.65
63.0	16.12	15.74	15.78	15.24
66.0	10.61	10.31	10.31	9.888
69.0	5.910	5.701	5.742	5.407
72.0	2.186	2.090	2.142	1.917
75.0	0.3465	0.3212	0.3205	0.2904
78.0	0.1791	0.2013	0.1791	0.1969
81.0	0.1288	0.1532	0.1310	0.1466
84.0	0.0960	0.1160	0.0960	0.1116
87.0	0.0722	0.0897	0.0700	0.0919
90.0	0.0722	0.0722	0.0700	0.0765

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-05-19

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 52%
Test Distance: 5.850m [K=1.0000]
Remarks: