

GONIOPHOTOMETERS SYSTEM TEST REPORT

LED Downlight SENSE Series LE- S45S1-4W-930-15&30D



Light Output Ratio:	100.0%	
Luminaire Power:	4.06 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: 2017-08-14

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:

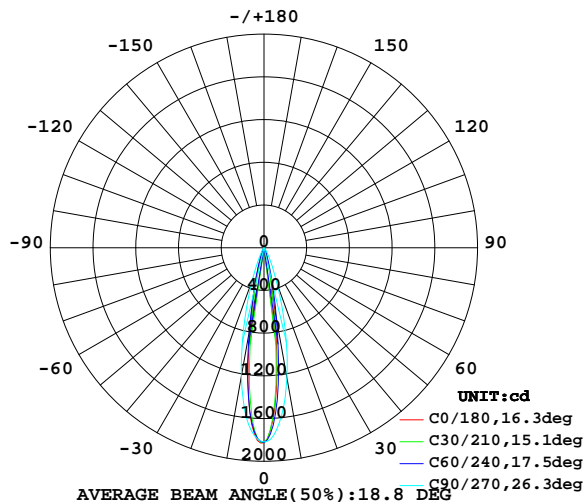
GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

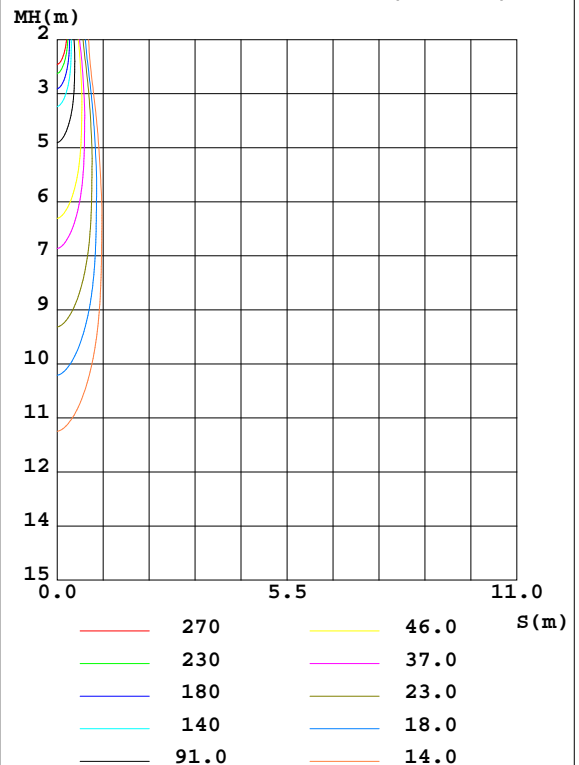
Test:U:11.60V I:0.3500A P:4.060W PF:1.000 Lamp Flux:333.616x1 lm		
NAME: S45S1-4W-930-15&30D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L55mm*W55mm*H60mm	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 82.17 lm/W			
MODEL	CREE-3000K	I _{max} (cd)	1828	S/MH(C0/180)	0.30
NOMINAL POWER(W)	4	LOR(%)	100.0	S/MH(C90/270)	0.44
RATED VOLTAGE(V)	12.0	TOTAL FLUX(lm)	333.62	η UP,DN(C0-180)	0.0,52.3
NOMINAL FLUX(lm)	333.616	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,47.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	11.6	η down(%)	100.0	CIBSE SHR MAX	1.00

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:Meng Yongjian
Test Date:2017-08-14

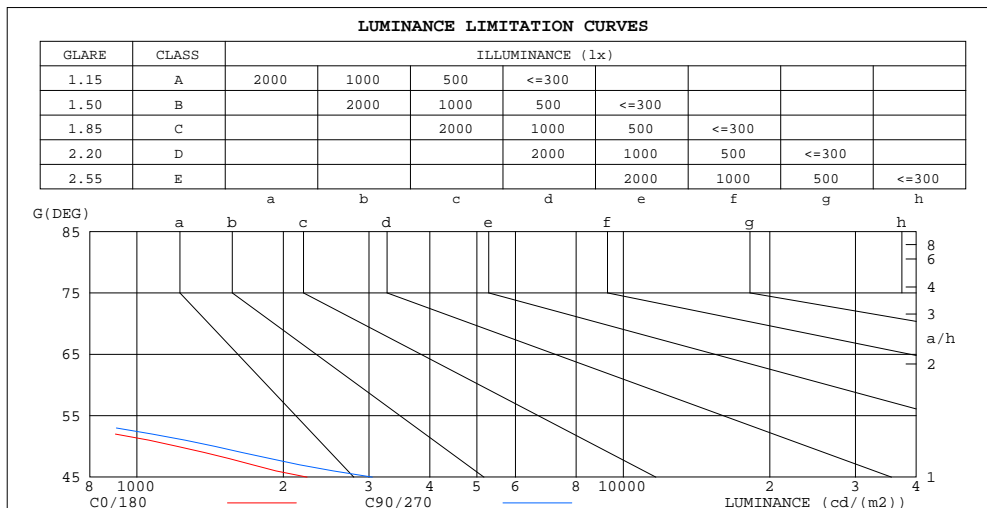
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
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Remarks:

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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	Φ lum, lamp
10	540.6	537.9	1237	1382	729.6	640.1	1223	1133	0- 10	125.3	125.3	37.6,37.6
20	72.52	76.51	357.5	490.1	95.35	82.26	313.0	297.4	10- 20	133.5	258.8	77.6,77.6
30	23.24	23.83	74.06	99.06	27.19	24.46	52.88	55.51	20- 30	50.88	309.7	92.8,92.8
40	10.52	10.60	17.09	22.34	11.66	10.96	13.89	13.76	30- 40	17.33	327.0	98,98
50	2.355	2.485	2.815	3.253	2.753	2.636	2.752	2.784	40- 50	5.263	332.3	99.6,99.6
60	0.3588	0.3256	0.3216	0.3059	0.3015	0.3347	0.3342	0.3631	50- 60	1.012	333.3	99.9,99.9
70	0.1357	0.1114	0.1335	0.1158	0.1180	0.1444	0.1310	0.1466	60- 70	0.2119	333.5	100,100
80	0.0503	0.0306	0.0547	0.0349	0.0349	0.0569	0.0349	0.0525	70- 80	0.0866	333.6	100,100
90	0.0109	0.0087	0.0109	0.0131	0.0087	0.0087	0.0087	0.0087	80- 90	0.0248	333.6	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		



LUMINANCE cd/(m2)		
G(°)	C0/180	C90/270
85	91	116
80	96	104
75	103	126
70	131	129
65	166	154
60	237	213
55	451	605
50	1211	1448
45	2238	3049

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-08-14

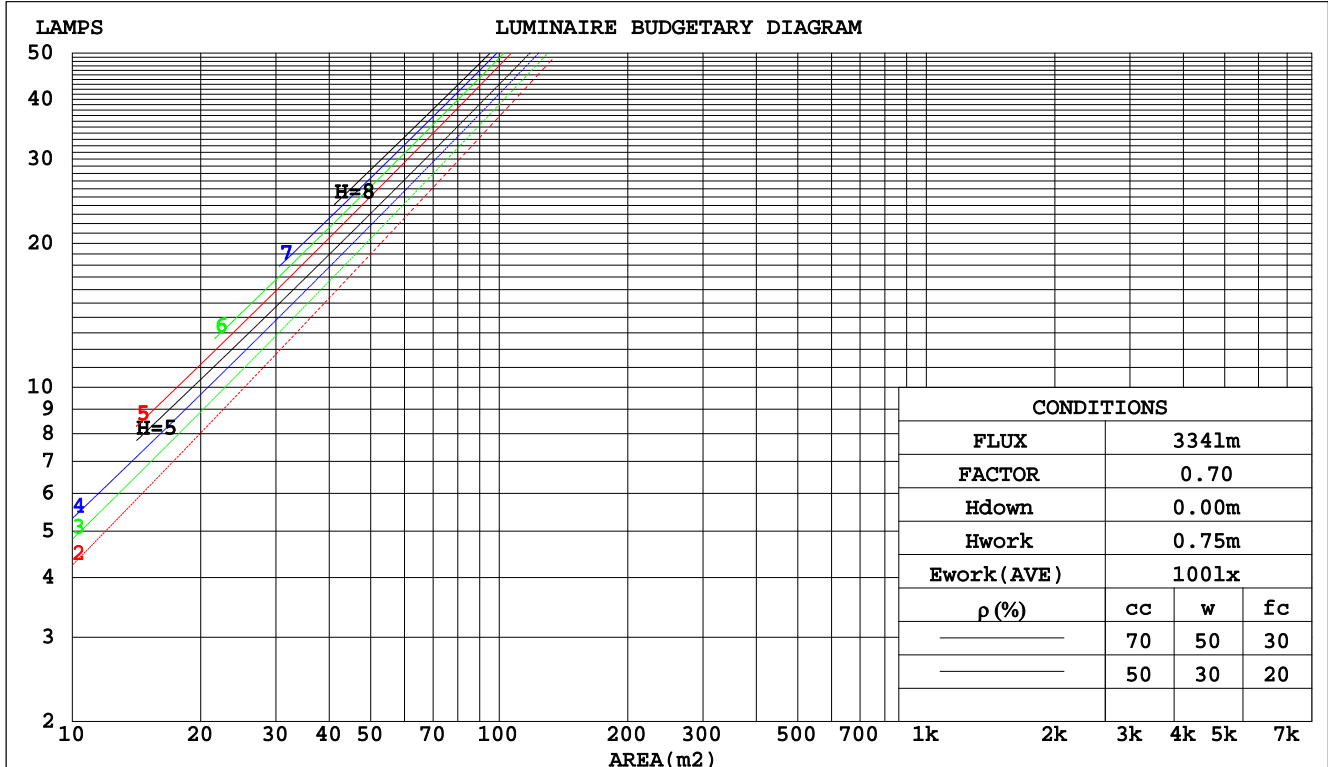
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity:52%
 Test Distance:5.850m [K=1.0000]
 Remarks:

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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:11.60V I:0.3500A P:4.060W PF:1.000 Lamp Flux:333.616x1 lm		
NAME: S45S1-4W-930-15&30D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L55mm*W55mm*H60mm	
MFR.:		

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	1.19	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	1.09	1.11	1.09	1.08	1.07	1.05	1.04	1.03	1.02	1.01	.00	.99	.98	.97
2.0	1.08	1.05	1.02	1.06	1.03	1.01	1.03	1.01	.99	.00	.98	.97	.97	.96	.95	.93
3.0	1.03	.99	.96	1.02	.98	.96	.99	.96	.94	.97	.95	.93	.95	.93	.91	.90
4.0	.99	.95	.92	.98	.94	.91	.96	.93	.90	.94	.91	.89	.92	.90	.88	.87
5.0	.95	.91	.88	.94	.91	.88	.93	.89	.87	.91	.88	.86	.90	.87	.85	.84
6.0	.92	.88	.85	.91	.87	.84	.90	.86	.84	.89	.86	.83	.87	.85	.83	.82
7.0	.89	.85	.82	.88	.84	.82	.87	.84	.81	.86	.83	.81	.85	.83	.80	.79
8.0	.86	.82	.79	.86	.82	.79	.85	.81	.79	.84	.81	.78	.83	.80	.78	.77
9.0	.84	.80	.77	.83	.79	.77	.82	.79	.77	.82	.79	.76	.81	.78	.76	.75
10.0	.81	.77	.75	.81	.77	.75	.80	.77	.74	.80	.77	.74	.79	.76	.74	.73



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γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity:52%
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WEC AND CCEC

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SPEC.:3000K			DIM.: L55mm*W55mm*H60mm		
MFR.:					

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	.137	.078	.025	.131	.074	.024	.118	.068	.022	.107	.062	.020	.096	.056	.018	
2.0	.127	.070	.021	.122	.067	.021	.112	.062	.019	.102	.057	.018	.094	.053	.017	
3.0	.119	.063	.019	.114	.061	.018	.106	.057	.017	.098	.054	.016	.091	.050	.016	
4.0	.112	.058	.017	.108	.056	.017	.101	.053	.016	.094	.050	.015	.088	.048	.015	
5.0	.105	.054	.016	.102	.052	.015	.096	.050	.015	.090	.048	.014	.085	.045	.014	
6.0	.100	.050	.014	.097	.049	.014	.091	.047	.014	.087	.045	.013	.082	.043	.013	
7.0	.095	.047	.013	.092	.046	.013	.087	.044	.013	.083	.043	.012	.079	.041	.012	
8.0	.090	.044	.012	.088	.043	.012	.084	.042	.012	.080	.041	.012	.077	.039	.011	
9.0	.086	.042	.012	.084	.041	.012	.081	.040	.011	.077	.039	.011	.074	.038	.011	
10.0	.082	.039	.011	.081	.039	.011	.078	.038	.011	.075	.037	.011	.072	.036	.010	

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	.168	.158	.148	.144	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.150	.133	.118	.129	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.135	.113	.096	.116	.098	.083	.080	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.123	.098	.079	.105	.085	.068	.073	.059	.048	.042	.035	.029	.014	.011	.009	
5.0	.112	.086	.066	.097	.074	.057	.067	.052	.040	.039	.030	.024	.012	.010	.008	
6.0	.104	.076	.056	.089	.066	.048	.061	.046	.034	.036	.027	.020	.012	.009	.007	
7.0	.096	.067	.047	.083	.058	.041	.057	.041	.029	.033	.024	.017	.011	.008	.006	
8.0	.090	.061	.041	.077	.053	.036	.053	.037	.025	.031	.022	.015	.010	.007	.005	
9.0	.084	.055	.036	.072	.048	.031	.050	.034	.022	.029	.020	.013	.009	.007	.004	
10.0	.079	.050	.031	.068	.044	.027	.047	.031	.019	.028	.018	.012	.009	.006	.004	

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

GONIOPHOTOMETERS SYSTEM TEST REPORT

UGR(Unified Glare Rating) Table

Test:U:11.60V I:0.3500A P:4.060W PF:1.000 Lamp Flux:333.616x1 lm		
NAME: S45S1-4W-930-15&30D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L55mm*W55mm*H60mm	
MFR.:		

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	4.6	5.2	4.8	5.4	5.5	6.6	7.3	6.8	7.4	7.6
3H	4.4	5.0	4.7	5.2	5.4	6.5	7.1	6.7	7.3	7.4
4H	4.4	4.9	4.6	5.1	5.4	6.4	7.0	6.6	7.2	7.4
6H	4.3	4.8	4.6	5.1	5.3	6.3	6.9	6.6	7.1	7.3
8H	4.2	4.8	4.5	5.0	5.3	6.3	6.8	6.6	7.0	7.3
12H	4.2	4.7	4.5	5.0	5.2	6.2	6.7	6.5	7.0	7.3
4H 2H	4.4	4.9	4.6	5.1	5.4	6.4	7.0	6.6	7.2	7.4
3H	4.2	4.7	4.5	5.0	5.2	6.2	6.7	6.5	7.0	7.3
4H	4.1	4.6	4.5	4.9	5.2	6.1	6.6	6.5	6.9	7.2
6H	4.0	4.4	4.4	4.8	5.1	6.0	6.5	6.4	6.8	7.1
8H	4.0	4.4	4.4	4.7	5.1	6.0	6.4	6.4	6.7	7.1
12H	3.9	4.3	4.3	4.6	5.0	5.9	6.3	6.3	6.7	7.0
8H 4H	4.0	4.4	4.4	4.7	5.1	6.0	6.4	6.4	6.7	7.1
6H	3.9	4.2	4.3	4.6	5.0	5.9	6.2	6.3	6.6	7.0
8H	3.8	4.1	4.2	4.5	4.9	5.8	6.1	6.3	6.5	7.0
12H	3.7	4.0	4.2	4.4	4.9	5.8	6.0	6.2	6.4	6.9
12H 4H	3.9	4.3	4.3	4.6	5.0	5.9	6.3	6.3	6.7	7.0
6H	3.8	4.1	4.2	4.5	4.9	5.8	6.1	6.3	6.5	7.0
8H	3.7	4.0	4.2	4.4	4.9	5.8	6.0	6.2	6.4	6.9
Variations with the observer position at spacings:										
S = 1.0H	+ 2.5 / -11.6					+ 5.0 / -13.7				
1.5H	+ 4.2 / - 9.8					+ 7.1 / -10.3				
2.0H	+ 5.8 / - 8.1					+ 7.3 / - 8.6				

CIE Pub.117 Corrected 333.6 lm Total Lamp Luminous Flux.(8log(F/F0) = -3.8)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-08-14

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:

GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Test:U:11.60V I:0.3500A P:4.060W PF:1.000 Lamp Flux:333.616x1 lm		
NAME: S45S1-4W-930-15&30D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L55mm*W55mm*H60mm	
MFR.:		

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	90	84	81	90	84	81	89	84	81	78
0.80	97	92	89	97	92	89	96	91	88	85
1.00	101	96	93	100	96	93	99	95	92	88
1.25	105	100	97	104	100	97	102	98	96	92
1.50	107	103	100	106	102	100	104	101	98	94
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	106	104	107	104	102	96
3.00	113	109	107	111	108	106	107	105	104	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	114	112	113	112	110	110	108	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
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 Humidity:52%
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ISOCANDELA DIAGRAM

Test:U:11.60V I:0.3500A P:4.060W PF:1.000 Lamp Flux:333.616x1 lm		
NAME: S45S1-4W-930-15&30D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L55mm*W55mm*H60mm	
MFR.:		

Conical surface Flux(90deg):

330.65 lm

%lum = 99.1%

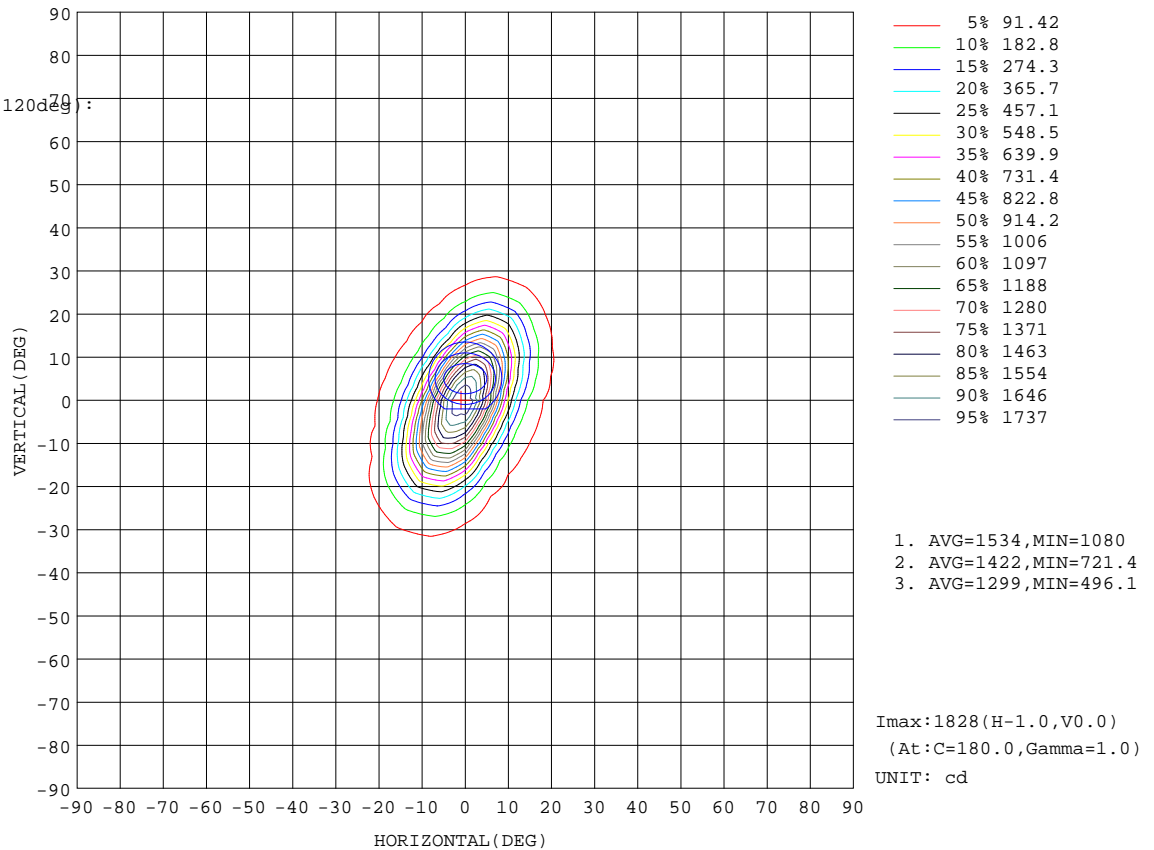
%lamp = 99.1%

Conical surface Flux(120deg):

333.29 lm

%lum = 99.9%

%lamp = 99.9%



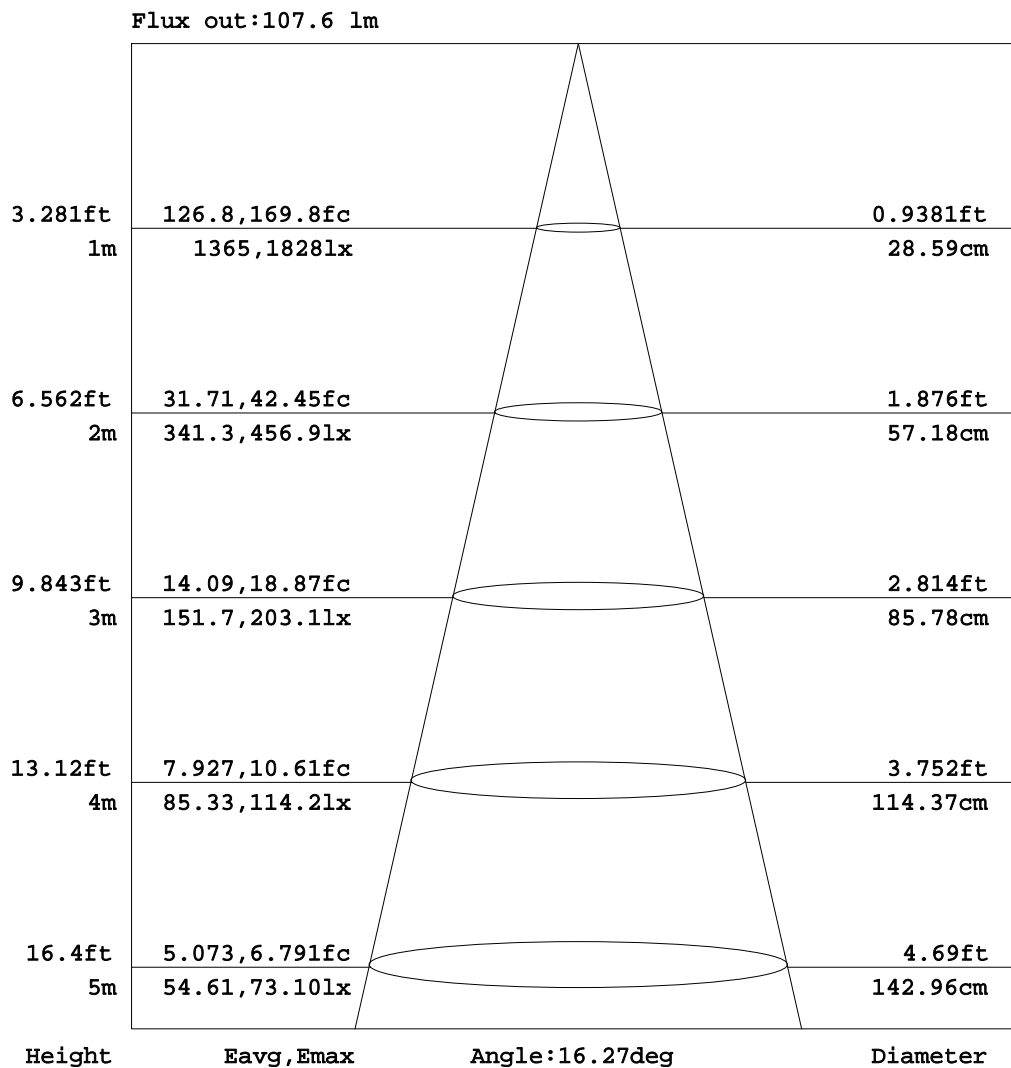
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AAI Figure

Test:U:11.60V I:0.3500A P:4.060W PF:1.000 Lamp Flux:333.616x1 lm		
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SPEC.:3000K	DIM.: L55mm*W55mm*H60mm	
MFR.:		



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

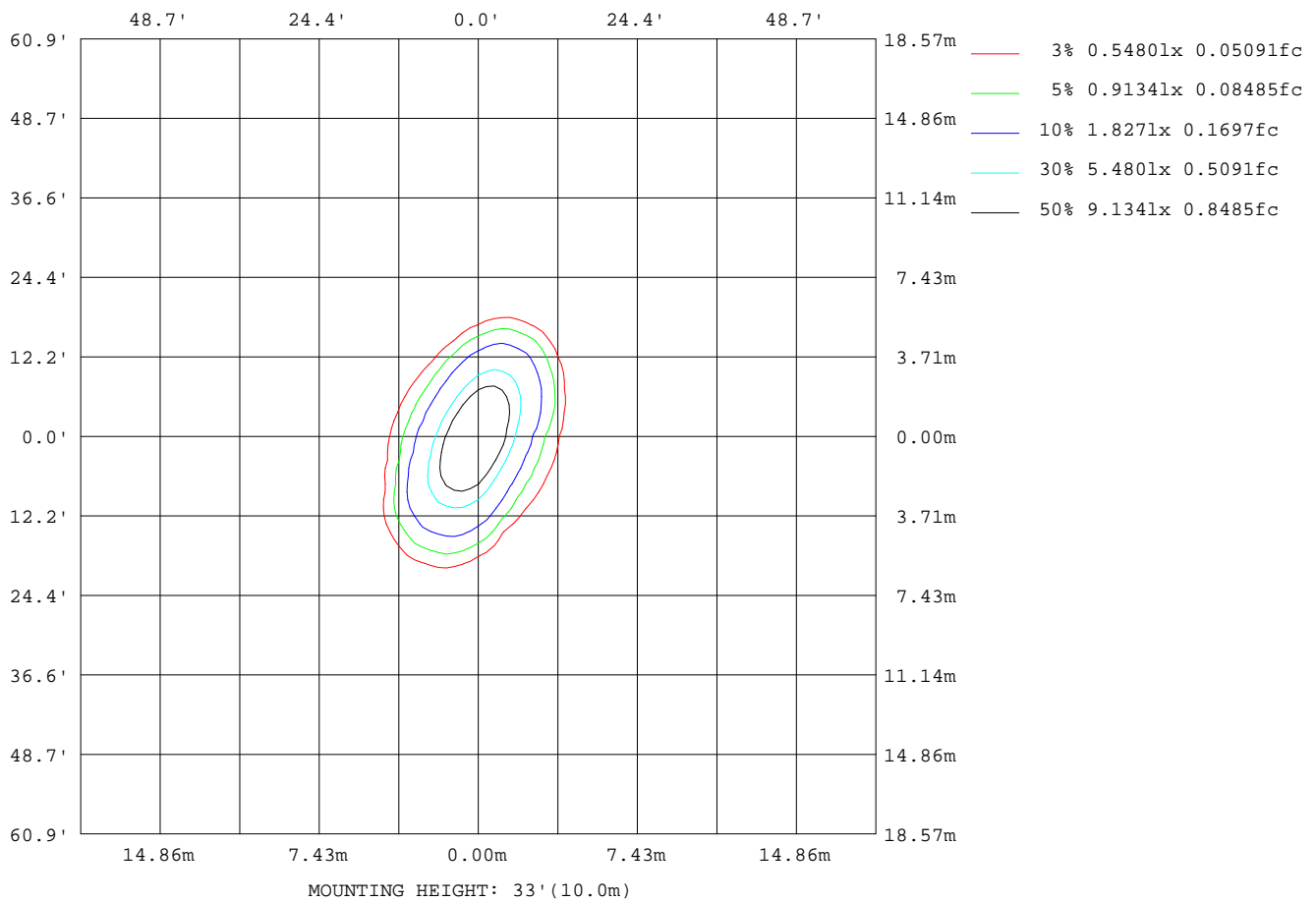
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GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

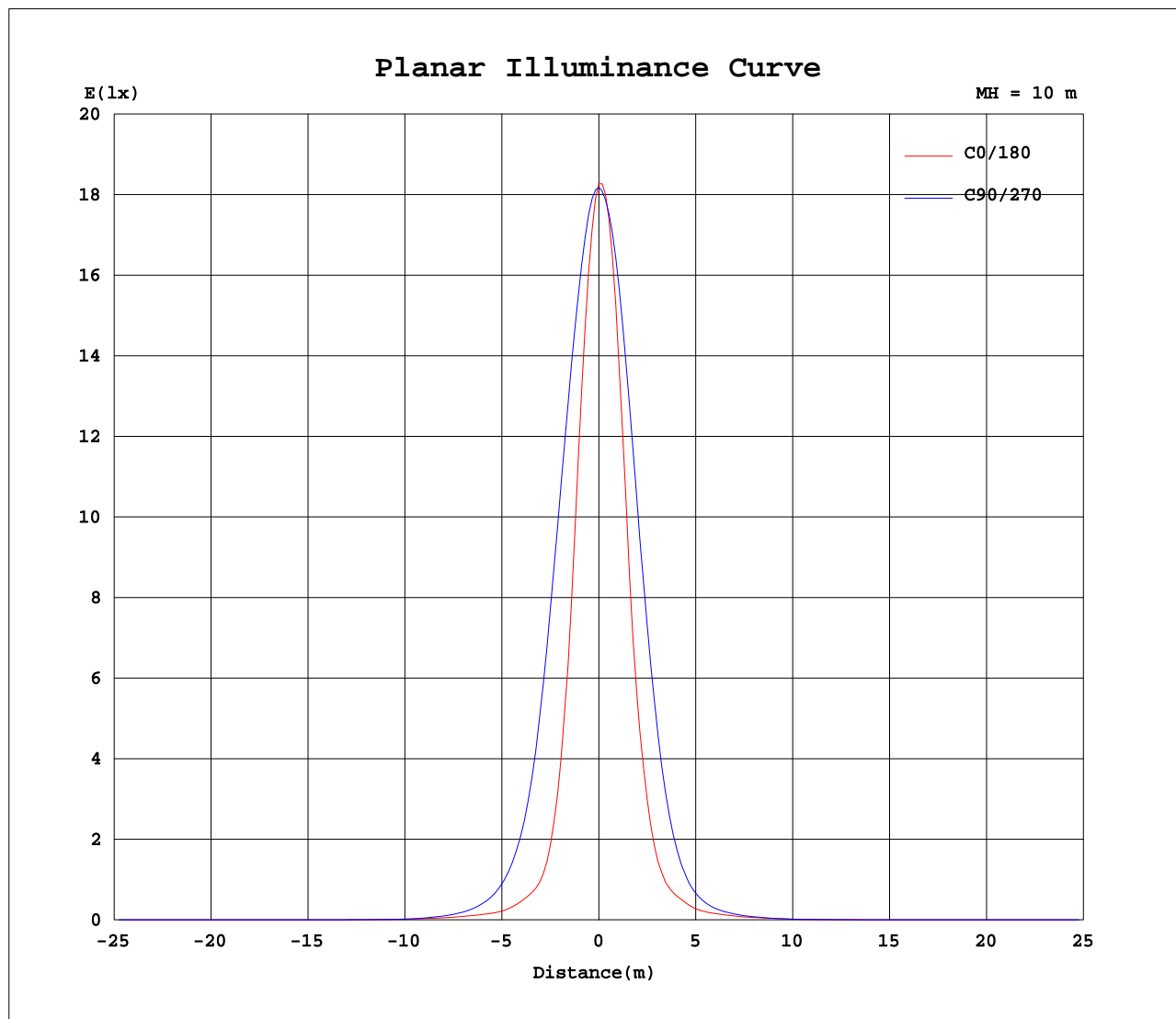
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Humidity:52%
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Remarks:

Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:11.60V I:0.3500A P:4.060W PF:1.000 Lamp Flux:333.616x1 lm		
NAME: S45S1-4W-930-15&30D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L55mm*W55mm*H60mm	
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Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-08-14

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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:

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UNIT: cd

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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:

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GONIOPHOTOMETERS SYSTEM TEST REPORT

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	1827	1828	1825	1825	1824	1823	1818	1792	1790	1788
3.0	1613	1610	1595	1633	1661	1718	1757	1744	1766	1778
6.0	1171	1132	1103	1189	1286	1437	1579	1629	1681	1665
9.0	658.0	608.0	599.2	668.2	805.2	1071	1331	1459	1529	1461
12.0	335.1	294.8	284.8	342.5	453.8	686.0	1045	1248	1326	1205
15.0	160.0	145.1	136.2	164.0	234.8	411.7	749.9	1001	1082	921.6
18.0	92.02	87.78	88.41	96.58	123.0	235.2	490.9	746.8	821.2	650.2
21.0	64.60	60.98	60.60	68.32	79.20	133.8	303.1	518.2	584.0	421.9
24.0	43.13	37.96	37.35	44.31	55.78	78.20	188.4	337.3	384.3	263.0
27.0	29.64	27.94	27.84	30.05	38.25	51.34	116.8	205.8	238.2	159.4
30.0	23.24	22.46	22.41	23.83	27.29	37.83	74.06	131.6	146.1	99.06
33.0	19.10	18.50	18.29	19.31	20.99	27.83	47.72	84.46	93.15	62.84
36.0	14.82	14.61	14.49	14.97	15.86	19.07	31.07	54.06	57.99	41.16
39.0	11.52	11.35	11.30	11.54	12.02	13.48	20.00	34.11	35.28	26.45
42.0	8.330	8.794	8.766	8.666	8.552	9.212	12.18	18.95	19.27	15.33
45.0	4.787	5.038	4.889	5.159	4.886	5.297	6.522	8.763	8.562	7.706
48.0	3.131	3.381	3.385	3.294	3.068	3.243	4.651	4.651	4.801	4.466
51.0	2.016	2.122	2.088	2.131	2.033	2.105	2.391	2.831	2.943	2.757
54.0	1.033	1.093	1.073	1.154	1.166	1.262	1.337	1.449	1.472	1.504
57.0	0.4338	0.4108	0.4277	0.4194	0.4311	0.4496	0.4540	0.4995	0.4631	0.5841
60.0	0.3588	0.3343	0.3501	0.3256	0.3369	0.3103	0.3216	0.3059	0.3260	0.3059
63.0	0.2693	0.2468	0.2628	0.2402	0.2583	0.2359	0.2474	0.2337	0.2539	0.2337
66.0	0.1991	0.1661	0.1882	0.1682	0.1817	0.1617	0.1795	0.1638	0.1839	0.1638
69.0	0.1511	0.1310	0.1488	0.1289	0.1467	0.1289	0.1466	0.1267	0.1466	0.1267
72.0	0.1116	0.0852	0.1116	0.0917	0.1138	0.0961	0.1117	0.0939	0.1182	0.0961
75.0	0.0810	0.0612	0.0832	0.0612	0.0875	0.0786	0.0984	0.0655	0.0919	0.0699
78.0	0.0613	0.0371	0.0591	0.0393	0.0635	0.0437	0.0678	0.0480	0.0701	0.0480
81.0	0.0460	0.0261	0.0438	0.0305	0.0460	0.0262	0.0525	0.0284	0.0547	0.0306
84.0	0.0285	0.0087	0.0306	0.0087	0.0307	0.0109	0.0350	0.0174	0.0373	0.0175
87.0	0.0154	0.0087	0.0175	0.0087	0.0175	0.0087	0.0241	0.0109	0.0263	0.0131
90.0	0.0109	0.0087	0.0087	0.0087	0.0087	0.0087	0.0109	0.0109	0.0153	0.0131
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	1790	1786	1827	1825	1825	1825	1824	1823	1818	1792
3.0	1764	1743	1745	1710	1710	1701	1725	1743	1759	1746
6.0	1565	1454	1392	1307	1308	1316	1400	1496	1593	1633
9.0	1254	1047	887.7	757.7	757.2	789.5	946.3	1139	1326	1442
12.0	907.2	649.0	497.7	408.4	405.5	429.5	538.2	744.5	1007	1177
15.0	598.6	355.9	261.7	199.7	196.0	214.4	295.7	428.7	704.8	898.1
18.0	355.4	181.9	137.4	108.3	105.4	110.8	153.3	247.1	444.2	638.8
21.0	200.4	101.4	83.65	72.06	70.12	72.65	85.42	138.7	260.3	417.0
24.0	113.3	67.47	57.60	45.22	43.76	47.64	55.67	78.80	149.6	251.3
27.0	68.69	47.12	36.82	31.09	30.42	31.81	39.19	49.45	86.24	143.9
30.0	46.37	34.24	27.19	24.48	24.03	24.46	27.67	34.57	52.88	82.83
33.0	33.25	24.82	21.60	19.74	19.53	19.80	21.27	25.70	35.15	49.49
36.0	23.69	18.27	16.51	15.51	15.45	15.28	16.21	18.29	23.80	30.02
39.0	16.59	13.78	12.67	12.00	11.91	11.93	12.33	13.02	16.00	19.21
42.0	10.70	9.693	9.474	9.378	9.365	8.906	8.787	8.645	10.08	11.73
45.0	5.962	5.644	5.748	5.744	5.792	5.317	5.127	5.030	5.852	7.025
48.0	3.670	3.468	3.566	3.679	3.727	3.451	3.227	3.185	3.663	4.499
51.0	2.386	2.319	2.384	2.342	2.374	2.271	2.176	2.072	2.328	2.653
54.0	1.370	1.399	1.418	1.323	1.331	1.236	1.254	1.181	1.215	1.237
57.0	0.5109	0.5624	0.5682	0.4769	0.4818	0.4372	0.4278	0.4237	0.4215	0.4433
60.0	0.3260	0.3059	0.3015	0.3238	0.3124	0.3347	0.3190	0.3435	0.3342	0.3653
63.0	0.2583	0.2403	0.2358	0.2560	0.2402	0.2583	0.2445	0.2648	0.2533	0.2801
66.0	0.1861	0.1682	0.1638	0.1839	0.1682	0.1904	0.1704	0.1948	0.1770	0.2144
69.0	0.1510	0.1354	0.1310	0.1531	0.1354	0.1575	0.1333	0.1619	0.1420	0.1728
72.0	0.1226	0.1027	0.0983	0.1204	0.1004	0.1204	0.1004	0.1225	0.1026	0.1291
75.0	0.0941	0.0721	0.0742	0.0941	0.0699	0.0919	0.0721	0.0941	0.0742	0.0985
78.0	0.0679	0.0480	0.0480	0.0679	0.0480	0.0700	0.0480	0.0679	0.0480	0.0722
81.0	0.0504	0.0328	0.0306	0.0504	0.0306	0.0503	0.0284	0.0503	0.0305	0.0525
84.0	0.0351	0.0174	0.0131	0.0350	0.0131	0.0350	0.0152	0.0350	0.0131	0.0350
87.0	0.0241	0.0109	0.0087	0.0219	0.0087	0.0219	0.0044	0.0241	0.0087	0.0197
90.0	0.0109	0.0109	0.0087	0.0087	0.0087	0.0087	0.0044	0.0087	0.0087	0.0087
G/C	300.0	315.0	330.0	345.0						
0.0	1790	1788	1790	1786						
3.0	1724	1683	1649	1592						
6.0	1595	1490	1368	1206						
9.0	1400	1233	1001	770.3						
12.0	1143	929.4	651.6	454.4						
15.0	871.8	647.8	393.5	262.6						
18.0	621.6	415.9	240.1	143.3						
21.0	410.8	249.4	145.0	84.21						

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-08-14

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:

GONIOPHOTOMETERS SYSTEM TEST REPORT

Photometric Data Table [cd]

24.0	249.9	146.3	82.86	54.64
27.0	146.4	88.88	51.69	38.05
30.0	83.57	55.51	35.85	27.17
33.0	50.90	36.70	26.74	20.89
36.0	31.15	24.06	18.92	15.89
39.0	19.70	15.89	13.05	11.90
42.0	11.97	10.06	8.719	8.429
45.0	7.215	5.981	5.259	5.000
48.0	4.593	3.780	3.336	3.111
51.0	2.711	2.322	2.152	2.030
54.0	1.275	1.149	1.182	1.126
57.0	0.4282	0.4452	0.4195	0.4384
60.0	0.3430	0.3631	0.3429	0.3609
63.0	0.2599	0.2779	0.2576	0.2736
66.0	0.1901	0.2079	0.1835	0.2013
69.0	0.1506	0.1663	0.1398	0.1510
72.0	0.1048	0.1226	0.0982	0.1138
75.0	0.0721	0.0919	0.0677	0.0854
78.0	0.0458	0.0679	0.0436	0.0613
81.0	0.0284	0.0481	0.0262	0.0438
84.0	0.0131	0.0329	0.0087	0.0285
87.0	0.0087	0.0175	0.0087	0.0154
90.0	0.0087	0.0087	0.0087	0.0087

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