

LED Downlight SENSE Series S150R3-25W-930



Light Output Ratio:	100.0%	
Luminaire Power:	27.6 W	
SHR Nominal:	1.00	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: 2017-06-17

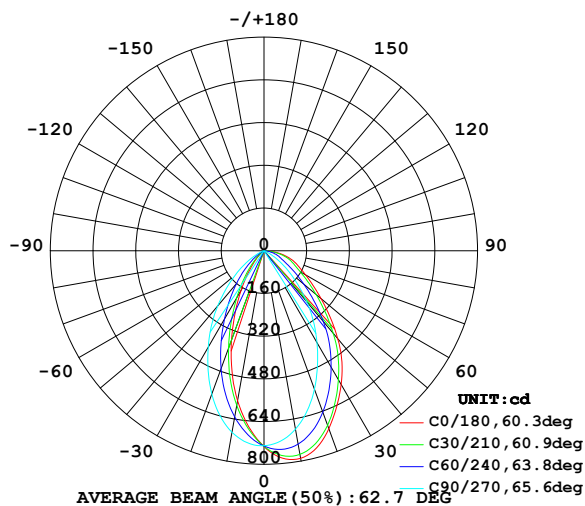
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

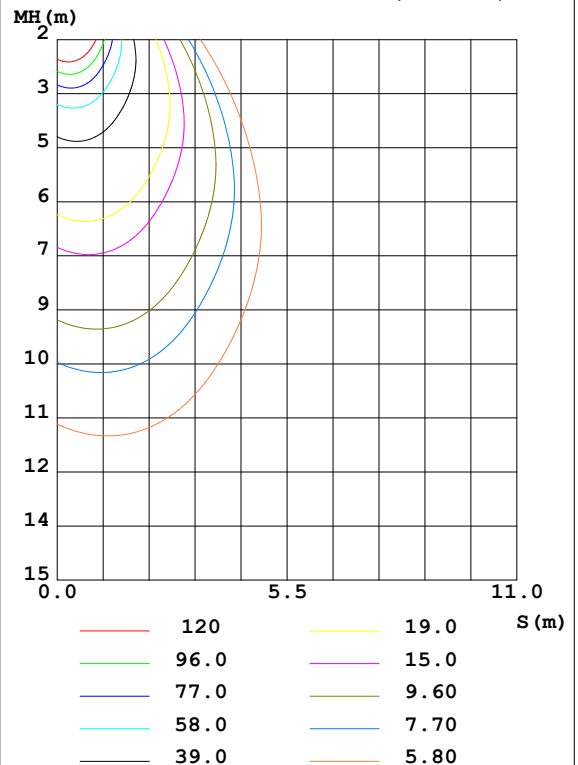
Test:U:220.7V I:0.1310A P:27.60W PF:0.9540 Lamp Flux:984.525x1 lm		
NAME: S150R3-25W-930	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*H188mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 35.67 lm/W			
MODEL	CITIZEN-3000K	I <sub>max</sub> (cd)	790.3	S/MH (C0/180)	0.62
NOMINAL POWER (W)	28	LOR (%)	100.0	S/MH (C90/270)	0.94
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	984.53	$\eta$ UP,DN (C0-180)	0.0, 51.6
NOMINAL FLUX (lm)	984.525	CIE CLASS	DIRECT	$\eta$ UP,DN (C180-360)	0.0, 48.4
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



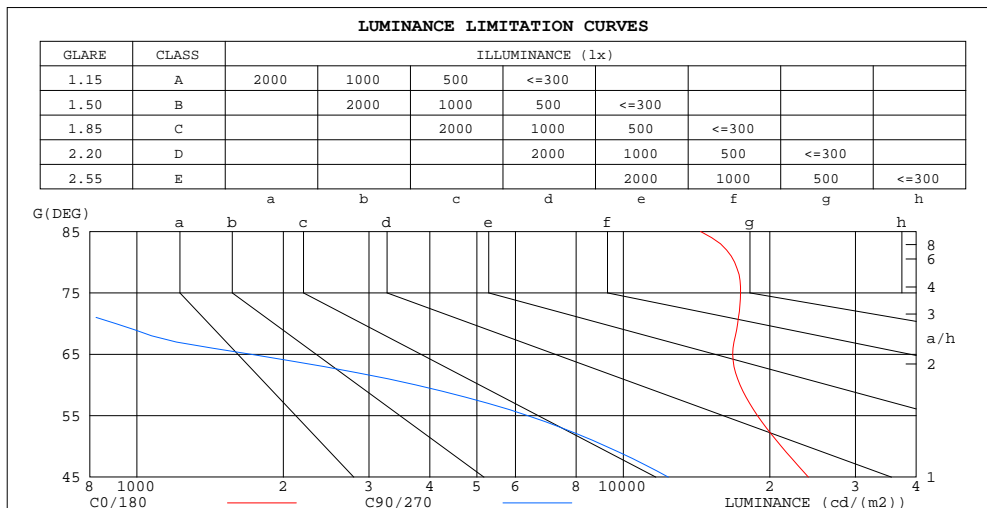
C Range: 0 - 360DEG  
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Test Speed: HIGH  
Temperature: 25.3DEG  
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$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

**ZONAL FLUX DIAGRAM  
AND LUMINANCE LIMITATION CURVES**

**ZONAL FLUX DIAGRAM:**

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	789.4	758.3	678.8	598.7	570.4	605.9	690.3	765.0	0- 10	67.44	67.44	6.85,6.85
20	709.7	676.4	552.2	411.5	356.0	422.8	571.2	686.8	10- 20	173.8	241.2	24.5,24.5
30	578.3	538.0	397.3	231.7	173.1	241.9	418.1	549.7	20- 30	214.8	456.0	46.3,46.3
40	429.7	379.5	248.9	105.4	63.26	113.3	269.7	394.6	30- 40	199.5	655.4	66.6,66.6
50	279.7	229.2	122.2	32.96	16.99	36.97	139.0	244.7	40- 50	146.7	802.1	81.5,81.5
60	179.0	132.3	38.59	5.921	4.328	5.759	49.15	144.5	50- 60	89.80	891.9	90.6,90.6
70	121.1	84.33	6.379	2.036	1.728	1.974	10.53	92.47	60- 70	52.41	944.3	95.9,95.9
80	60.57	37.83	0.9167	0.8456	0.7821	0.8030	1.962	42.59	70- 80	31.60	975.9	99.1,99.1
90	0.2012	0.1640	0.2296	0.4307	0.4132	0.3673	0.1705	0.1531	80- 90	8.632	984.5	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		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	14412	220
80	16931	256
75	17412	541
70	17183	905
65	16786	1712
60	17375	3747
55	18868	6363
50	21124	9224
45	24010	12371

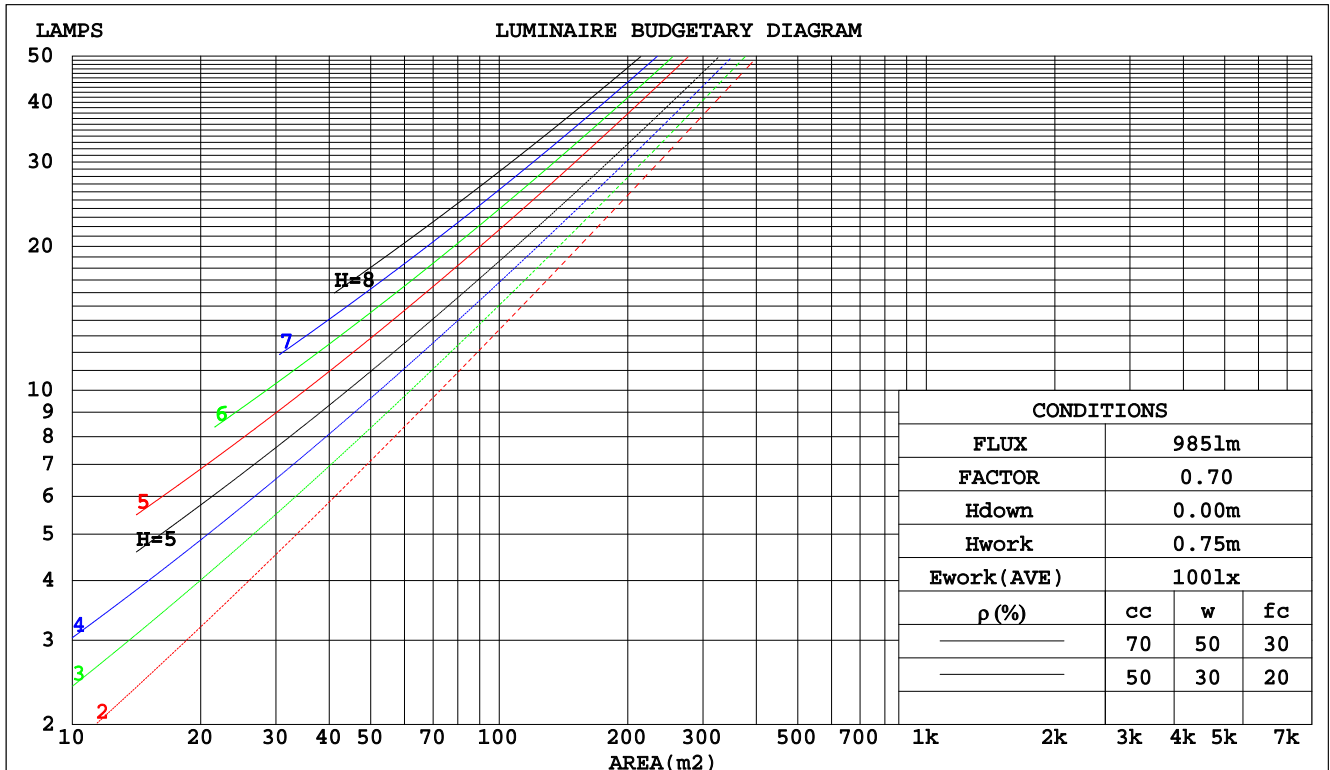
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-17

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:220.7V I:0.1310A P:27.60W PF:0.9540 Lamp Flux:984.525x1 lm		
NAME: S150R3-25W-930	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*H188mm	
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						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	1.07	1.04	1.01	1.05	1.02	.99	1.01	.99	.96	.97	.95	.93	.94	.92	.91	.89
2.0	.97	.91	.87	.95	.90	.86	.92	.87	.84	.88	.85	.82	.86	.83	.80	.78
3.0	.88	.81	.76	.86	.80	.75	.83	.78	.74	.81	.76	.73	.78	.75	.72	.70
4.0	.80	.73	.67	.79	.72	.67	.76	.70	.66	.74	.69	.65	.72	.68	.64	.62
5.0	.73	.66	.60	.72	.65	.60	.70	.64	.59	.68	.63	.59	.67	.62	.58	.56
6.0	.67	.60	.54	.66	.59	.54	.65	.58	.54	.63	.57	.53	.62	.57	.53	.51
7.0	.62	.55	.49	.61	.54	.49	.60	.54	.49	.59	.53	.49	.57	.52	.48	.47
8.0	.58	.50	.45	.57	.50	.45	.56	.49	.45	.55	.49	.45	.54	.48	.44	.43
9.0	.54	.46	.42	.53	.46	.42	.52	.46	.41	.51	.45	.41	.50	.45	.41	.39
10.0	.50	.43	.39	.50	.43	.39	.49	.43	.38	.48	.42	.38	.47	.42	.38	.37



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
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 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

WEC AND CCEC

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NAME: S150R3-25W-930	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*H188mm	
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$\rho_{cc}$	80%			70%			50%			30%			10%			0	
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
$\rho_{fc}$	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.242	.138	.044	.235	.134	.043	.222	.128	.041	.210	.121	.039	.200	.116	.037		
2.0	.231	.126	.039	.225	.124	.038	.214	.119	.037	.203	.114	.036	.194	.110	.035		
3.0	.217	.115	.035	.212	.113	.034	.202	.109	.033	.193	.106	.032	.185	.102	.032		
4.0	.203	.106	.031	.199	.104	.031	.190	.101	.030	.182	.098	.030	.175	.095	.029		
5.0	.191	.097	.028	.187	.096	.028	.179	.093	.027	.172	.091	.027	.166	.088	.027		
6.0	.179	.090	.026	.176	.089	.026	.169	.087	.025	.163	.085	.025	.157	.083	.025		
7.0	.169	.083	.024	.166	.082	.024	.160	.081	.023	.154	.079	.023	.149	.077	.023		
8.0	.159	.078	.022	.156	.077	.022	.151	.076	.022	.146	.074	.021	.142	.073	.021		
9.0	.151	.073	.020	.148	.072	.020	.143	.071	.020	.139	.070	.020	.135	.068	.020		
10.0	.143	.069	.019	.141	.068	.019	.136	.067	.019	.132	.066	.019	.129	.065	.019		

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	.176	.157	.140	.150	.135	.120	.103	.093	.083	.059	.054	.048	.019	.017	.016	
2.0	.164	.132	.105	.141	.114	.091	.096	.079	.064	.056	.046	.037	.018	.015	.012	
3.0	.154	.114	.082	.132	.098	.071	.091	.068	.050	.052	.040	.029	.017	.013	.010	
4.0	.145	.100	.065	.125	.086	.057	.086	.060	.040	.050	.035	.024	.016	.011	.008	
5.0	.138	.089	.053	.118	.077	.046	.081	.054	.033	.047	.032	.019	.015	.010	.006	
6.0	.131	.080	.044	.112	.069	.038	.077	.049	.027	.045	.029	.016	.014	.009	.005	
7.0	.124	.073	.037	.107	.063	.033	.074	.044	.023	.043	.026	.014	.014	.009	.005	
8.0	.118	.067	.032	.102	.058	.028	.070	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.113	.062	.028	.097	.054	.024	.067	.038	.017	.039	.022	.010	.013	.007	.003	
10.0	.107	.058	.025	.093	.050	.022	.064	.035	.015	.037	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-06-17

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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

Test:U:220.7V I:0.1310A P:27.60W PF:0.9540 Lamp Flux:984.525x1 lm										
NAME: S150R3-25W-930					TYPE:Downlight			SERIAL No.:		
SPEC.:3000K					DIM.: $\phi$ 162mm*H188mm					
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	23.9	25.1	24.1	25.3	25.5	20.3	21.6	20.6	21.8	22.0
3H	25.3	26.5	25.6	26.7	26.9	20.4	21.6	20.7	21.8	22.0
4H	26.1	27.2	26.4	27.4	27.6	20.4	21.5	20.7	21.8	22.0
6H	26.7	27.7	27.0	28.0	28.2	20.4	21.4	20.7	21.6	21.9
8H	26.9	27.9	27.2	28.2	28.4	20.3	21.3	20.6	21.6	21.8
12H	27.0	28.0	27.4	28.3	28.6	20.3	21.2	20.6	21.5	21.8
4H 2H	24.1	25.1	24.4	25.4	25.6	21.2	22.3	21.5	22.6	22.8
3H	25.8	26.8	26.2	27.0	27.3	21.7	22.7	22.0	22.9	23.2
4H	26.7	27.6	27.1	27.9	28.2	21.8	22.7	22.2	23.0	23.3
6H	27.6	28.3	27.9	28.7	29.0	21.8	22.6	22.2	22.9	23.3
8H	27.9	28.6	28.3	28.9	29.3	21.8	22.5	22.2	22.8	23.2
12H	28.0	28.7	28.5	29.1	29.5	21.7	22.4	22.2	22.8	23.2
8H 4H	26.9	27.6	27.3	27.9	28.3	22.6	23.3	23.0	23.7	24.1
6H	27.8	28.4	28.3	28.8	29.2	22.8	23.4	23.2	23.8	24.2
8H	28.2	28.7	28.7	29.2	29.6	22.8	23.3	23.2	23.7	24.2
12H	28.5	29.0	29.0	29.4	29.9	22.8	23.2	23.2	23.6	24.1
12H 4H	26.8	27.5	27.2	27.9	28.3	22.8	23.4	23.2	23.8	24.2
6H	27.8	28.3	28.3	28.8	29.2	23.0	23.6	23.5	24.0	24.4
8H	28.3	28.7	28.7	29.1	29.6	23.1	23.5	23.6	24.0	24.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.7 / - 0.8				
1.5H	+ 0.1 / - 0.2					+ 0.4 / - 0.9				
2.0H	+ 0.4 / - 0.4					+ 0.9 / - 1.6				

CIE Pub.117 Corrected 984.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.1)

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Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.7V I:0.1310A P:27.60W PF:0.9540 Lamp Flux:984.525x1 lm		
NAME: S150R3-25W-930	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*H188mm	
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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) $k(RI) \times RCR = 5$									
$k = 0.60$	71	61	56	70	61	56	69	61	56	50
0.80	80	71	65	79	71	65	78	70	65	59
1.00	87	78	73	86	78	73	84	79	72	66
1.25	93	85	79	92	84	79	89	83	78	72
1.50	97	89	84	95	89	84	93	87	83	77
2.00	102	95	91	100	94	90	97	92	88	82
2.50	104	99	94	103	97	93	99	95	91	84
3.00	107	102	98	105	100	97	101	98	94	87
4.00	110	106	102	108	104	101	104	101	98	90
5.00	112	108	105	109	106	103	105	103	100	92
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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# ISOCANDELA DIAGRAM

Test:U:220.7V I:0.1310A P:27.60W PF:0.9540 Lamp Flux:984.525x1 lm		
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Conical surface Flux(90deg):

736.51 lm

%lum = 74.8%

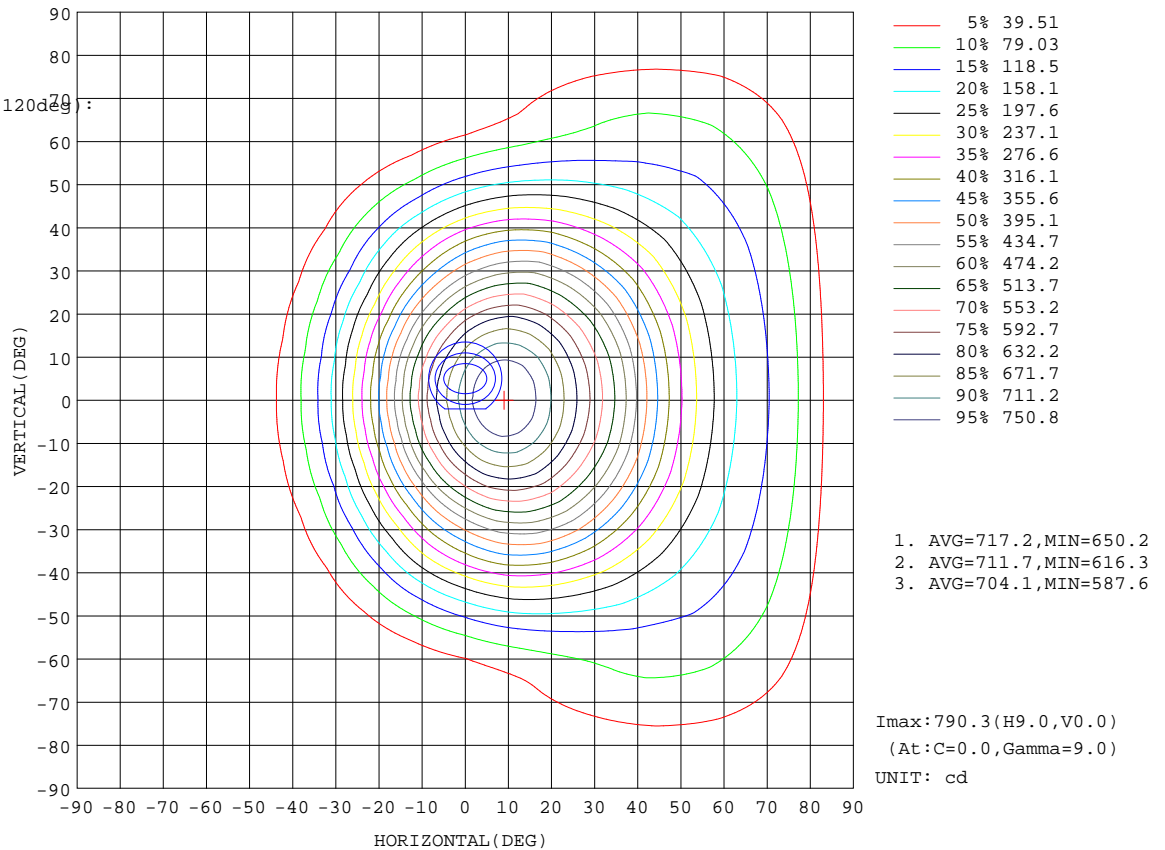
%lamp = 74.8%

Conical surface Flux(120deg):

891.89 lm

%lum = 90.6%

%lamp = 90.6%



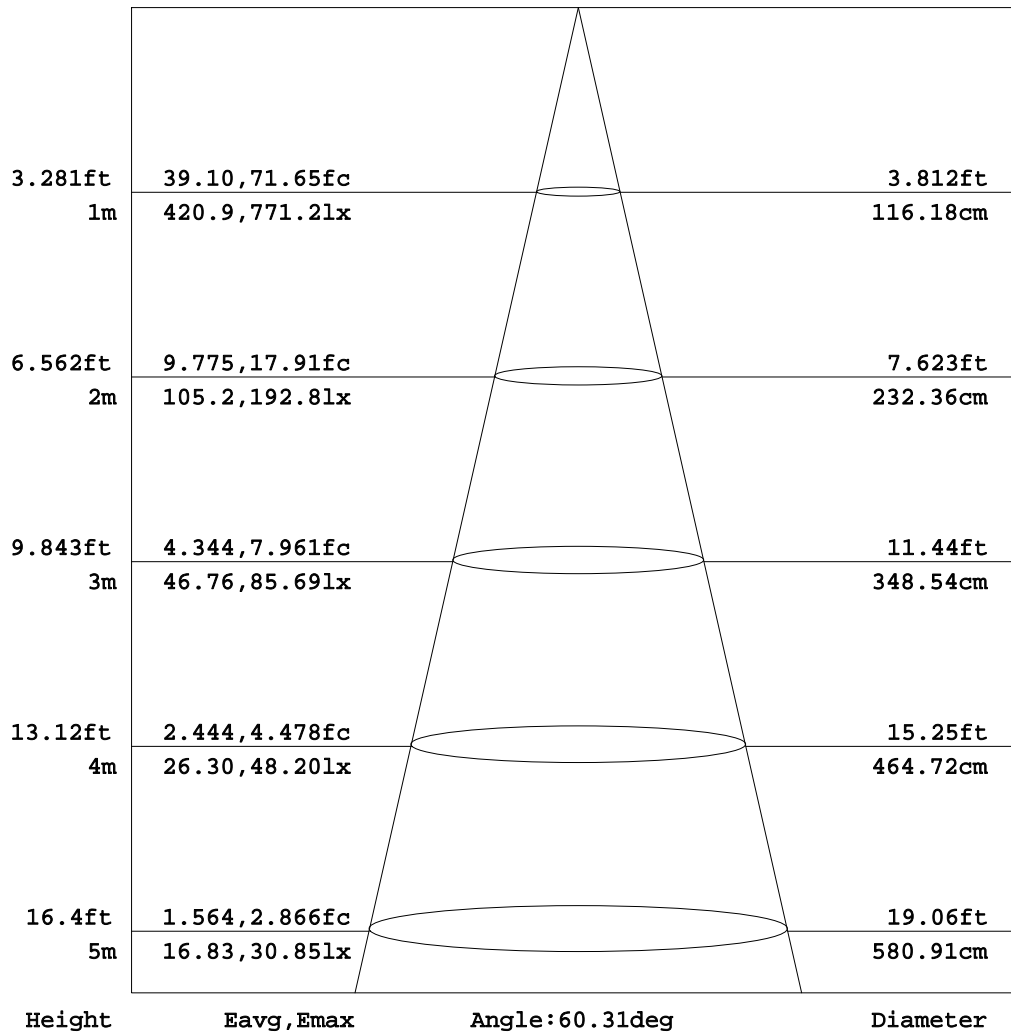
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**AAI Figure**

Test:U:220.7V I:0.1310A P:27.60W PF:0.9540 Lamp Flux:984.525x1 lm		
NAME: S150R3-25W-930	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*H188mm	
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Flux out:477.3 lm



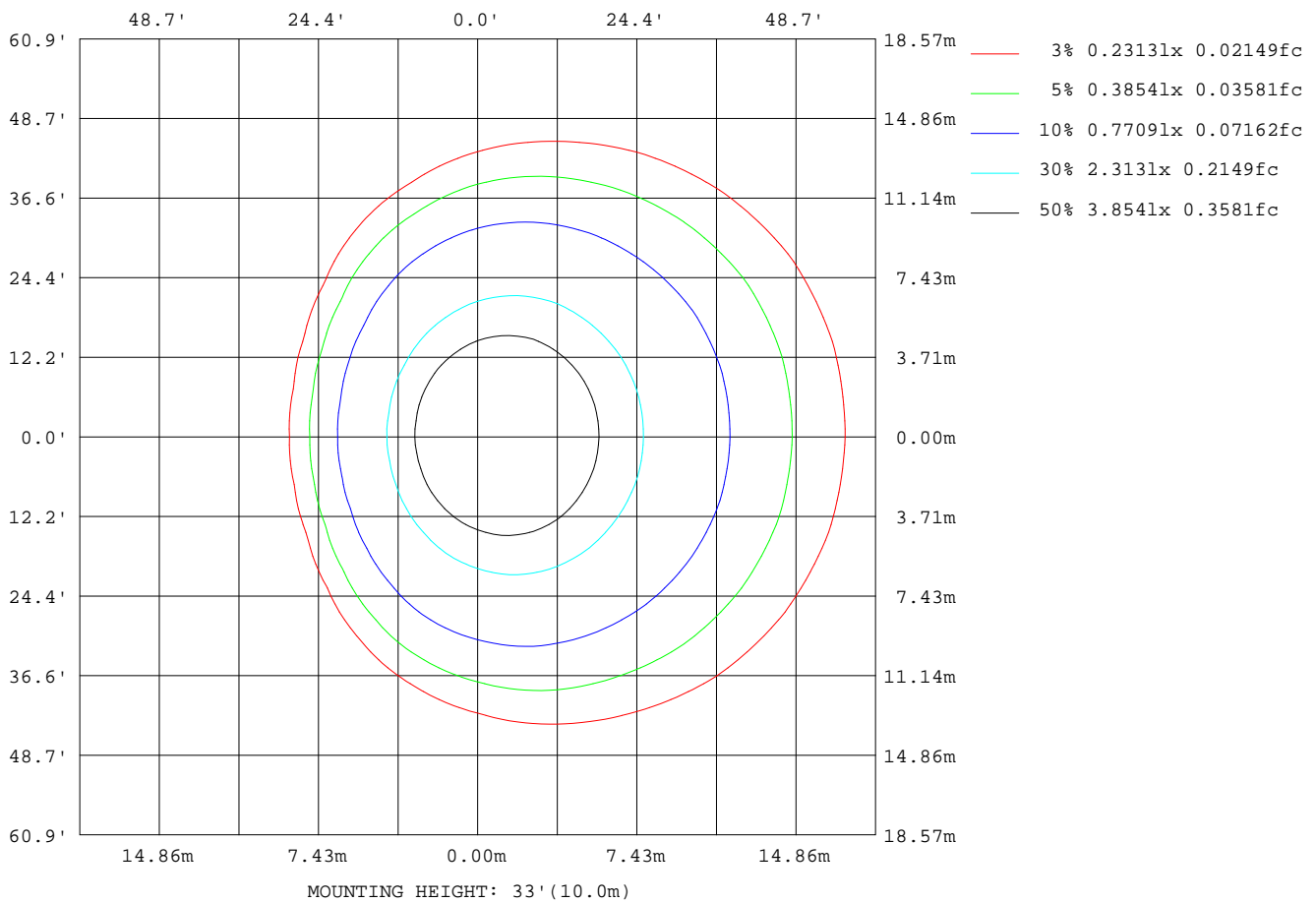
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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**ISOLUX DIAGRAM**

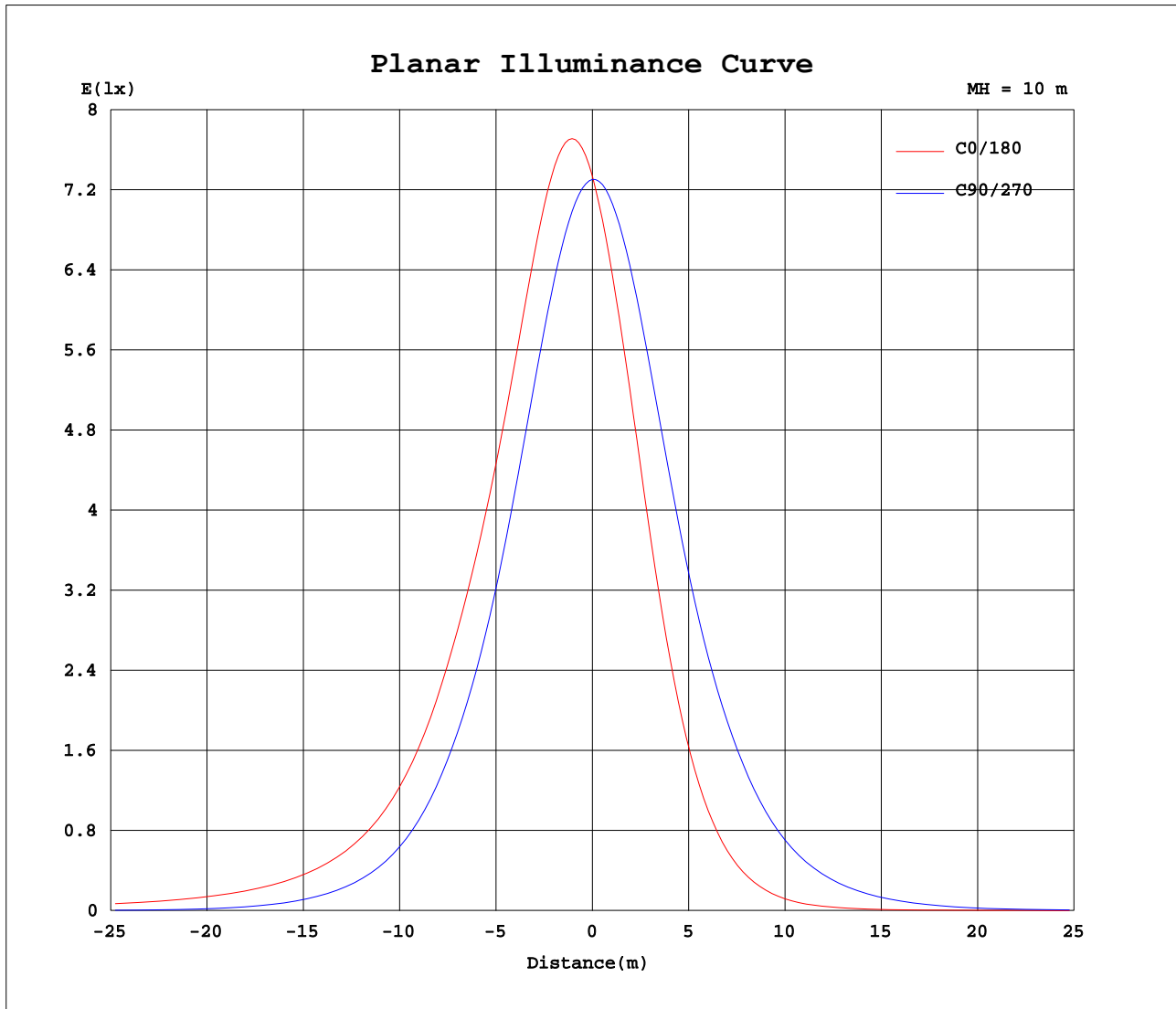
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### Planar Illuminance Curve



C Range: 0 - 360DEG  
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

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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:

```

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	733.5	731.9	732.7	731.2	731.4	730.6	730.4	730.4	729.9	730.9
3.0	764.7	762.0	758.4	751.5	743.8	734.3	724.2	715.1	705.6	699.3
6.0	784.0	780.4	773.2	761.6	746.6	729.3	710.0	692.0	673.6	660.3
9.0	790.3	786.2	776.2	760.9	739.9	715.8	687.8	661.7	635.0	615.2
12.0	783.2	779.2	767.3	749.6	723.8	693.8	658.4	624.9	590.8	564.7
15.0	763.8	760.1	747.6	728.6	699.2	664.6	622.7	582.6	541.7	509.7
18.0	733.9	731.1	718.8	699.5	667.7	629.3	581.8	536.1	489.3	451.5
21.0	696.8	695.0	683.3	664.2	630.7	589.2	537.0	486.6	435.0	391.8
24.0	657.3	654.8	643.3	624.4	590.2	546.0	490.3	436.4	380.8	334.4
27.0	617.9	613.7	600.7	582.1	547.2	501.3	443.3	387.4	328.4	280.7
30.0	578.3	572.6	557.4	538.0	503.1	456.3	397.3	340.3	279.7	231.7
33.0	537.5	531.0	513.9	492.9	458.5	411.5	352.6	295.7	235.0	187.8
36.0	494.4	488.0	469.2	446.7	412.4	366.2	308.4	253.4	194.4	149.4
39.0	446.6	440.2	420.6	396.7	362.6	318.4	263.8	212.1	157.8	115.5
42.0	397.1	390.5	371.0	345.9	311.9	270.6	220.4	173.3	125.4	86.97
45.0	349.8	343.4	323.8	298.4	264.2	226.4	180.2	138.6	96.77	63.24
48.0	306.2	299.8	281.0	255.1	221.1	185.8	144.1	106.6	72.10	43.65
51.0	267.4	261.2	242.9	217.0	183.2	149.9	111.9	79.69	51.16	28.24
54.0	233.2	227.4	209.7	184.2	150.5	117.9	83.81	56.72	34.20	16.62
57.0	204.1	198.1	181.0	156.1	122.7	90.40	59.14	37.59	20.95	8.887
60.0	179.0	173.0	156.6	132.3	99.63	67.48	38.59	22.43	11.43	5.921
63.0	157.9	152.5	137.0	112.7	81.58	50.04	22.67	11.49	5.640	4.104
66.0	140.8	136.1	122.1	99.10	69.13	38.31	11.97	4.976	3.502	2.978
69.0	126.2	121.4	109.3	88.29	60.14	31.60	7.302	2.811	2.476	2.233
72.0	110.2	105.9	95.00	75.92	50.47	25.19	4.780	1.929	1.852	1.706
75.0	92.84	89.11	79.29	62.43	40.04	18.55	2.882	1.383	1.390	1.329
78.0	74.09	71.12	62.19	47.97	29.24	12.03	1.500	0.9852	1.033	1.018
81.0	53.70	51.65	44.15	32.70	18.46	6.169	0.7214	0.7078	0.7726	0.7756
84.0	32.73	31.45	25.69	17.78	8.868	2.039	0.4424	0.5133	0.6041	0.6030
87.0	13.13	12.58	9.322	5.793	2.511	0.4167	0.3174	0.3846	0.4923	0.4808
90.0	0.2012	0.1946	0.1880	0.1640	0.1880	0.1793	0.2296	0.3105	0.4307	0.4307

G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	730.0	731.5	733.5	731.9	732.7	731.2	730.6	730.4	730.4	730.4
3.0	692.7	691.0	692.7	692.6	697.6	702.3	710.6	718.6	728.2	737.4
6.0	647.9	643.2	644.2	645.5	654.8	665.1	681.4	698.1	717.2	735.2
9.0	597.1	589.6	589.8	592.2	605.7	621.7	645.6	670.2	698.3	724.1
12.0	541.3	530.5	529.9	533.9	551.3	572.7	603.7	635.6	671.8	704.6
15.0	480.8	466.6	465.0	470.2	492.3	519.0	556.4	595.0	638.5	677.1
18.0	417.9	401.4	399.2	405.5	430.1	462.0	505.6	549.8	599.7	643.5
21.0	356.0	338.0	335.1	341.9	368.1	403.0	452.1	501.4	556.6	604.8
24.0	297.3	278.4	275.1	282.3	308.9	345.6	398.4	451.8	510.8	562.8
27.0	243.3	224.4	220.7	228.0	254.3	291.4	345.9	402.8	464.1	518.7
30.0	195.3	176.9	173.1	179.9	205.1	241.9	296.6	355.8	418.1	474.1
33.0	153.2	136.3	132.8	138.8	161.9	197.4	251.0	311.0	373.2	429.7
36.0	117.0	101.5	98.31	104.0	124.2	157.9	209.6	268.3	329.2	385.0
39.0	86.84	73.72	71.04	75.65	92.86	123.6	172.0	227.0	284.6	338.0
42.0	61.86	51.59	49.63	52.77	66.91	94.23	138.4	187.1	240.4	290.4
45.0	42.23	34.82	33.41	35.32	46.04	69.41	107.9	150.2	199.4	244.9
48.0	27.35	22.55	21.87	22.67	29.80	48.46	81.61	117.6	161.7	203.4
51.0	16.68	15.15	14.83	14.90	17.90	31.82	59.14	88.98	128.1	165.9
54.0	10.89	9.776	9.495	9.675	10.92	19.03	40.47	64.58	97.91	132.5
57.0	7.130	6.415	6.225	6.339	7.168	9.910	25.45	43.59	71.77	103.5
60.0	4.875	4.441	4.328	4.407	4.867	5.759	14.19	26.51	49.15	78.97
63.0	3.508	3.277	3.191	3.228	3.509	3.975	6.730	13.60	30.87	59.73
66.0	2.642	2.508	2.440	2.473	2.634	2.863	3.476	5.201	17.82	46.03
69.0	2.044	1.958	1.883	1.919	2.023	2.155	2.402	2.469	11.70	38.38
72.0	1.604	1.514	1.461	1.488	1.562	1.659	1.725	1.697	8.393	31.44
75.0	1.250	1.195	1.154	1.168	1.199	1.274	1.269	1.215	5.567	23.95
78.0	0.9957	0.9724	0.9219	0.9386	0.9284	0.9650	0.9326	0.8733	3.196	16.21
81.0	0.7834	0.7692	0.7274	0.7417	0.7187	0.7352	0.6813	0.6259	1.456	8.843
84.0	0.6303	0.6206	0.5767	0.5930	0.5570	0.5624	0.4914	0.4400	0.4663	3.225
87.0	0.5099	0.4919	0.4654	0.4705	0.4370	0.4463	0.3649	0.3130	0.2402	0.5449
90.0	0.4526	0.4613	0.4132	0.4176	0.3979	0.3673	0.3039	0.2296	0.1705	0.1531

G/C	300.0	315.0	330.0	345.0
0.0	729.9	730.9	730.0	731.5
3.0	746.0	753.7	758.5	762.5
6.0	752.1	765.9	775.6	781.9
9.0	748.4	767.1	780.7	788.4
12.0	735.0	757.3	773.6	781.9
15.0	712.8	737.4	755.3	763.1
18.0	683.0	709.2	727.5	734.2
21.0	647.5	674.6	692.7	698.1

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-06-17

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	608.0	635.5	653.4	658.4
27.0	565.8	593.4	611.4	618.1
30.0	522.2	549.7	568.9	577.9
33.0	477.8	505.1	526.3	537.2
36.0	432.5	459.8	483.0	494.5
39.0	383.8	411.3	436.1	447.4
42.0	333.2	361.7	387.1	398.1
45.0	285.0	314.4	340.3	350.8
48.0	240.8	271.0	296.7	307.0
51.0	201.5	232.2	257.6	268.0
54.0	167.6	198.6	223.5	233.8
57.0	138.6	169.6	193.8	204.3
60.0	113.3	144.5	168.2	178.9
63.0	93.25	124.0	147.2	157.8
66.0	78.40	108.5	130.5	140.2
69.0	68.70	96.66	116.4	125.5
72.0	58.47	83.60	101.6	109.5
75.0	47.27	68.95	85.41	92.28
78.0	35.36	53.40	67.92	73.81
81.0	23.20	37.02	49.08	53.78
84.0	11.83	20.67	29.47	33.18
87.0	3.566	6.919	11.36	13.51
90.0	0.1443	0.1531	0.1509	0.2033

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-06-17

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: