

LED Downlight SENSE Series S125R3-18W-930



Light Output Ratio:	100.0%	
Luminaire Power:	19.49 W	
SHR Nominal:	0.75	Calculated using the TM5
SHR Maximum:	0.95	fine grid method.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-07-14

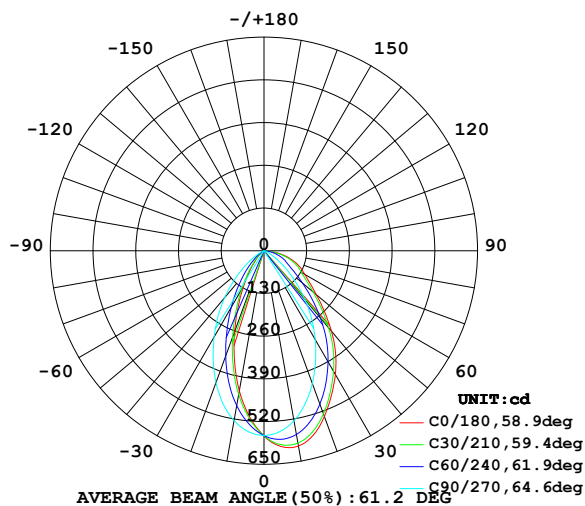
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

**LUMINAIRE PHOTOMETRIC TEST REPORT**

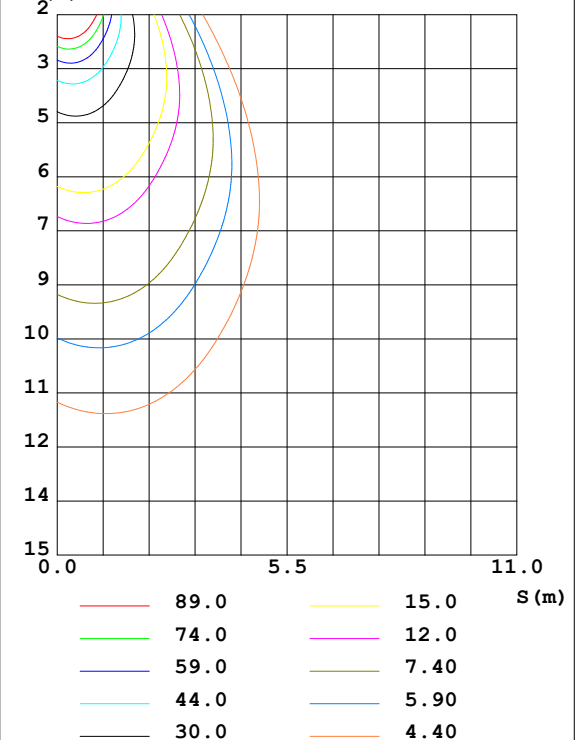
Test:U:220.7V I:0.0937A P:19.49W PF:0.9423 Lamp Flux:738.946x1 lm		
NAME: S125R3-18W-930	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 135mm*H157mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 37.91 lm/W			
MODEL	CITIZEN-3000K	I <sub>max</sub> (cd)	604.8	S/MH (C0/180)	0.60
NOMINAL POWER (W)	21	LOR (%)	100.0	S/MH (C90/270)	0.91
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	738.95	$\eta$ UP,DN (C0-180)	0.0, 53.2
NOMINAL FLUX (lm)	738.946	CIE CLASS	DIRECT	$\eta$ UP,DN (C180-360)	0.0, 46.8
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	CIBSE SHR MAX	0.95

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



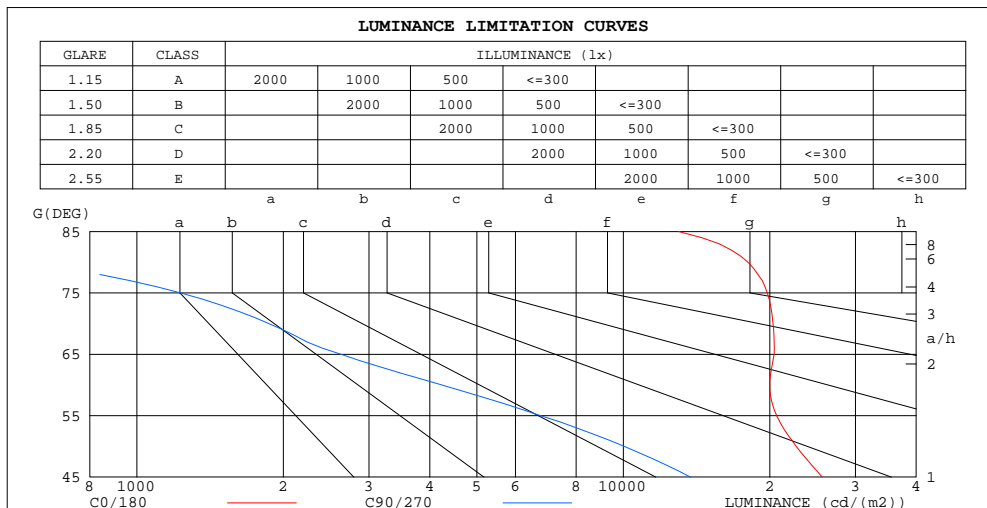
C Range: 0 - 360DEG  
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Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
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 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m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

# 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	603.5	583.6	525.4	460.5	432.7	457.3	525.0	585.4	0- 10	51.73	51.73	7,7
20	537.1	517.7	430.1	311.4	262.0	302.9	427.1	523.9	10- 20	132.0	183.7	24.9,24.9
30	434.6	412.1	312.0	171.6	124.1	160.3	304.2	418.4	20- 30	161.3	345.1	46.7,46.7
40	319.0	290.9	193.9	76.38	46.89	67.32	186.1	295.0	30- 40	147.9	492.9	66.7,66.7
50	208.5	178.6	92.35	25.03	15.94	20.55	85.15	175.1	40- 50	107.4	600.3	81.2,81.2
60	143.1	113.2	30.29	5.187	4.138	5.106	21.78	102.1	50- 60	65.96	666.3	90.2,90.2
70	99.39	77.40	9.142	1.660	1.527	1.720	1.932	68.76	60- 70	42.31	708.6	95.9,95.9
80	44.78	31.35	1.468	0.6467	0.6553	0.6761	0.5656	27.95	70- 80	24.67	733.3	99.2,99.2
90	0.0700	0.0875	0.1050	0.2033	0.2252	0.2252	0.1290	0.0787	80- 90	5.664	738.9	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	12975	223
80	18026	591
75	19762	1230
70	20312	1868
65	20417	2626
60	19999	4234
55	20671	6762
50	22668	10043
45	25637	13743

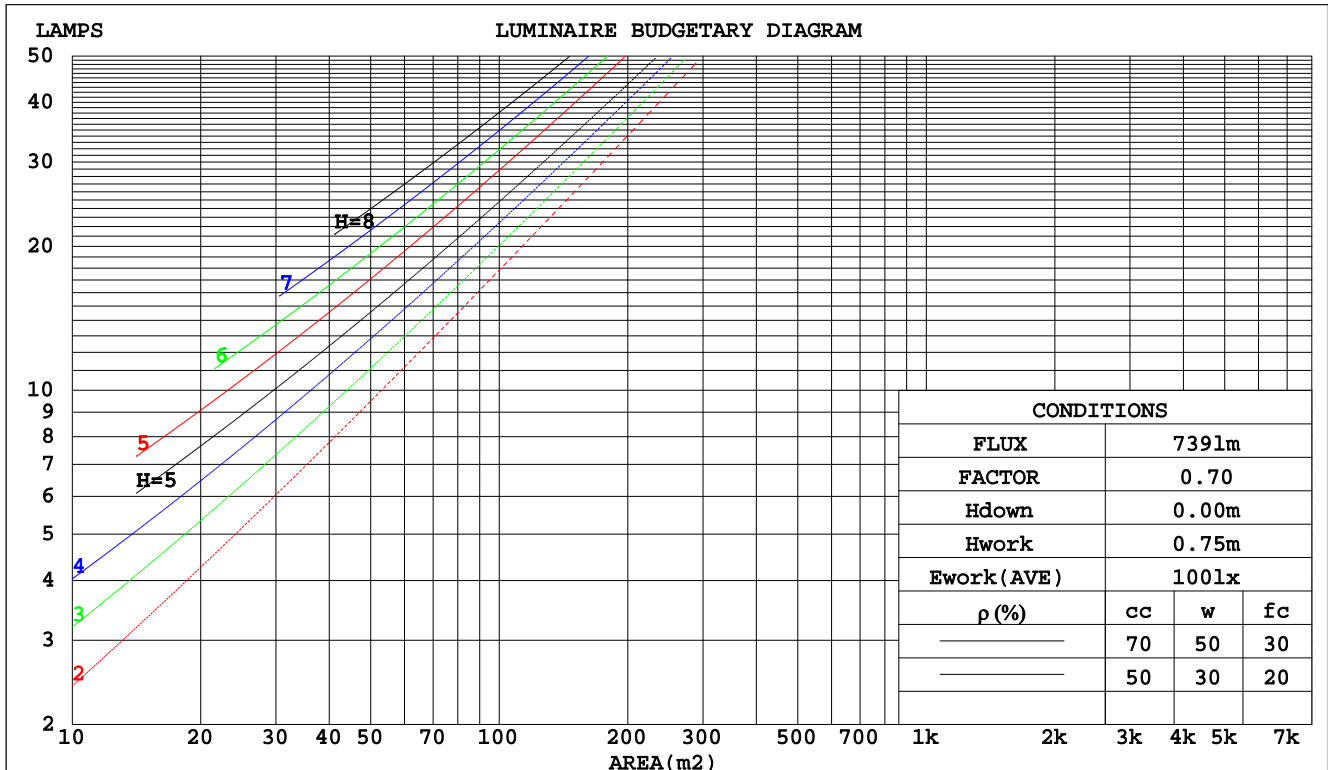
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-07-14

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Humidity:52%  
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Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:220.7V I:0.0937A P:19.49W PF:0.9423 Lamp Flux:738.946x1 lm		
NAME: S125R3-18W-930	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 135mm*H157mm	
MFR.: NEKO LIGHTING AG		

$\rho_{cc}$	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	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	.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	.58	.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	.50	.45	.55	.49	.45	.54	.48	.45	.43
9.0	.54	.47	.42	.53	.46	.42	.52	.46	.42	.51	.45	.41	.50	.45	.41	.40
10.0	.50	.43	.39	.50	.43	.39	.49	.43	.39	.48	.42	.38	.47	.42	.38	.37



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WEC AND CCEC

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$\rho_w$	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	.127	.041	.210	.121	.039	.199	.115	.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	.190	.097	.028	.186	.096	.028	.179	.093	.027	.172	.091	.027	.165	.088	.027		
6.0	.179	.090	.026	.175	.089	.025	.169	.086	.025	.162	.084	.025	.157	.082	.024		
7.0	.168	.083	.024	.165	.082	.023	.159	.081	.023	.154	.079	.023	.149	.077	.023		
8.0	.159	.078	.022	.156	.077	.022	.151	.075	.022	.146	.074	.021	.141	.073	.021		
9.0	.150	.073	.020	.148	.072	.020	.143	.071	.020	.139	.070	.020	.134	.068	.020		
10.0	.143	.068	.019	.140	.068	.019	.136	.067	.019	.132	.066	.019	.128	.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	.130	.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	.112	.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	

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 $\gamma$  Interval: 1.0DEG  
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 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.7V I:0.0937A P:19.49W PF:0.9423 Lamp Flux:738.946x1 lm										
NAME: S125R3-18W-930					TYPE:Downlight			SERIAL No.:		
SPEC.:3000K					DIM.: $\phi$ 135mm*H157mm					
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	24.5	25.7	24.7	25.9	26.1	21.0	22.3	21.3	22.5	22.7
3H	26.1	27.3	26.4	27.5	27.7	21.3	22.5	21.6	22.7	22.9
4H	26.9	28.0	27.2	28.2	28.4	21.4	22.5	21.7	22.7	22.9
6H	27.4	28.4	27.7	28.7	29.0	21.3	22.3	21.6	22.6	22.9
8H	27.6	28.6	27.9	28.8	29.1	21.3	22.3	21.6	22.5	22.8
12H	27.7	28.6	28.0	28.9	29.2	21.2	22.2	21.6	22.4	22.7
4H 2H	24.8	25.9	25.1	26.1	26.4	22.2	23.3	22.5	23.5	23.7
3H	26.7	27.7	27.1	28.0	28.3	22.9	23.8	23.2	24.1	24.4
4H	27.6	28.5	28.0	28.8	29.1	23.1	23.9	23.4	24.2	24.6
6H	28.3	29.1	28.7	29.4	29.8	23.1	23.8	23.5	24.2	24.5
8H	28.6	29.3	29.0	29.6	30.0	23.0	23.7	23.4	24.1	24.5
12H	28.7	29.3	29.1	29.7	30.1	23.0	23.6	23.4	24.0	24.4
8H 4H	27.8	28.5	28.2	28.8	29.2	23.9	24.6	24.3	24.9	25.3
6H	28.6	29.2	29.1	29.6	30.0	24.0	24.6	24.5	25.0	25.4
8H	28.9	29.4	29.4	29.9	30.3	24.0	24.6	24.5	25.0	25.4
12H	29.1	29.6	29.6	30.0	30.5	24.0	24.4	24.5	24.9	25.4
12H 4H	27.7	28.4	28.2	28.8	29.2	24.0	24.6	24.4	25.0	25.4
6H	28.6	29.1	29.1	29.6	30.0	24.2	24.8	24.7	25.2	25.6
8H	29.0	29.4	29.4	29.8	30.3	24.3	24.7	24.8	25.2	25.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.6 / - 0.7				
1.5H	+ 0.1 / - 0.2					+ 0.3 / - 0.8				
2.0H	+ 0.3 / - 0.3					+ 0.7 / - 1.4				

CIE Pub.117 Corrected 738.9 lm Total Lamp Luminous Flux. ( $\log(F/F_0) = -1.1$ )

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Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

UTILIZATION FACTORS TABLE

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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) $k(RI) \times RCR = 5$									
$k = 0.60$	71	62	56	70	61	56	69	61	56	51
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	91	84	79	89	83	78	72
1.50	97	89	84	95	89	84	93	87	83	76
2.00	102	95	90	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	104	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

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Conical surface Flux(90deg):

552.43 lm

%lum = 74.8%

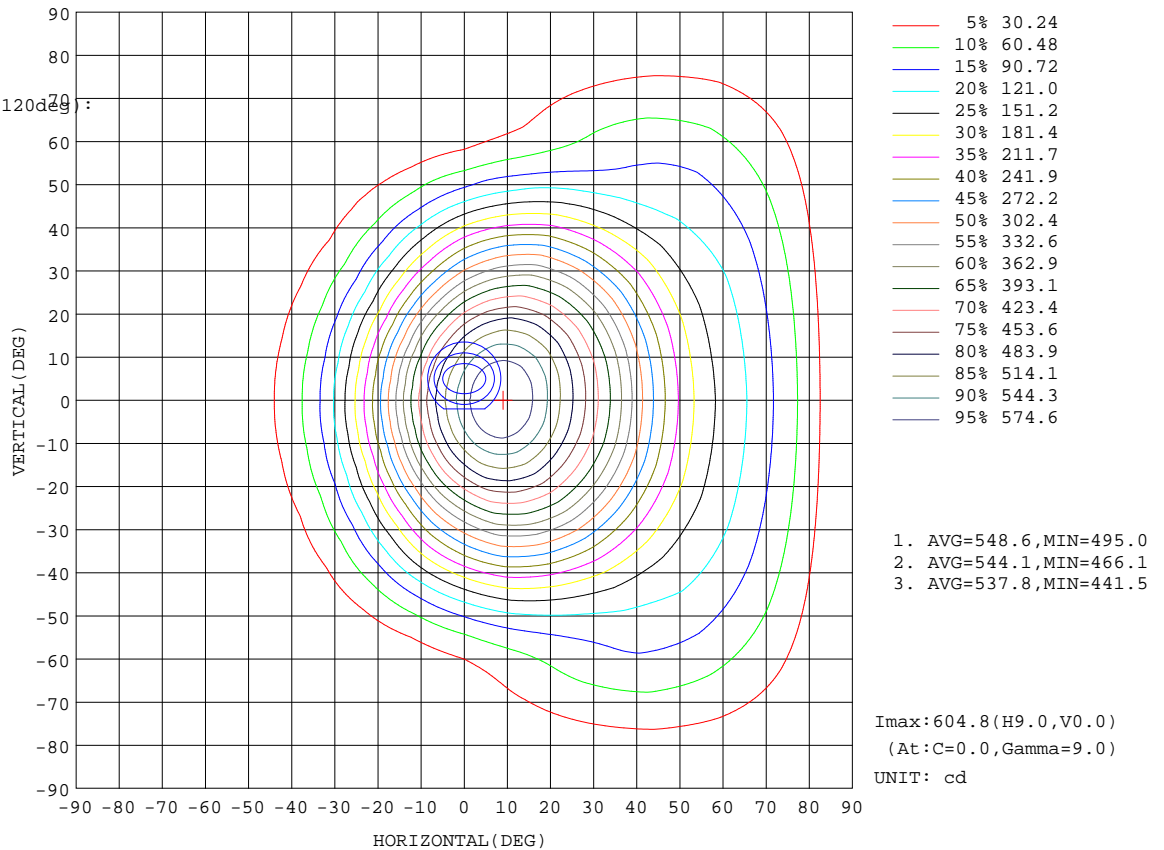
%lamp = 74.8%

Conical surface Flux(120deg):

666.3 lm

%lum = 90.2%

%lamp = 90.2%



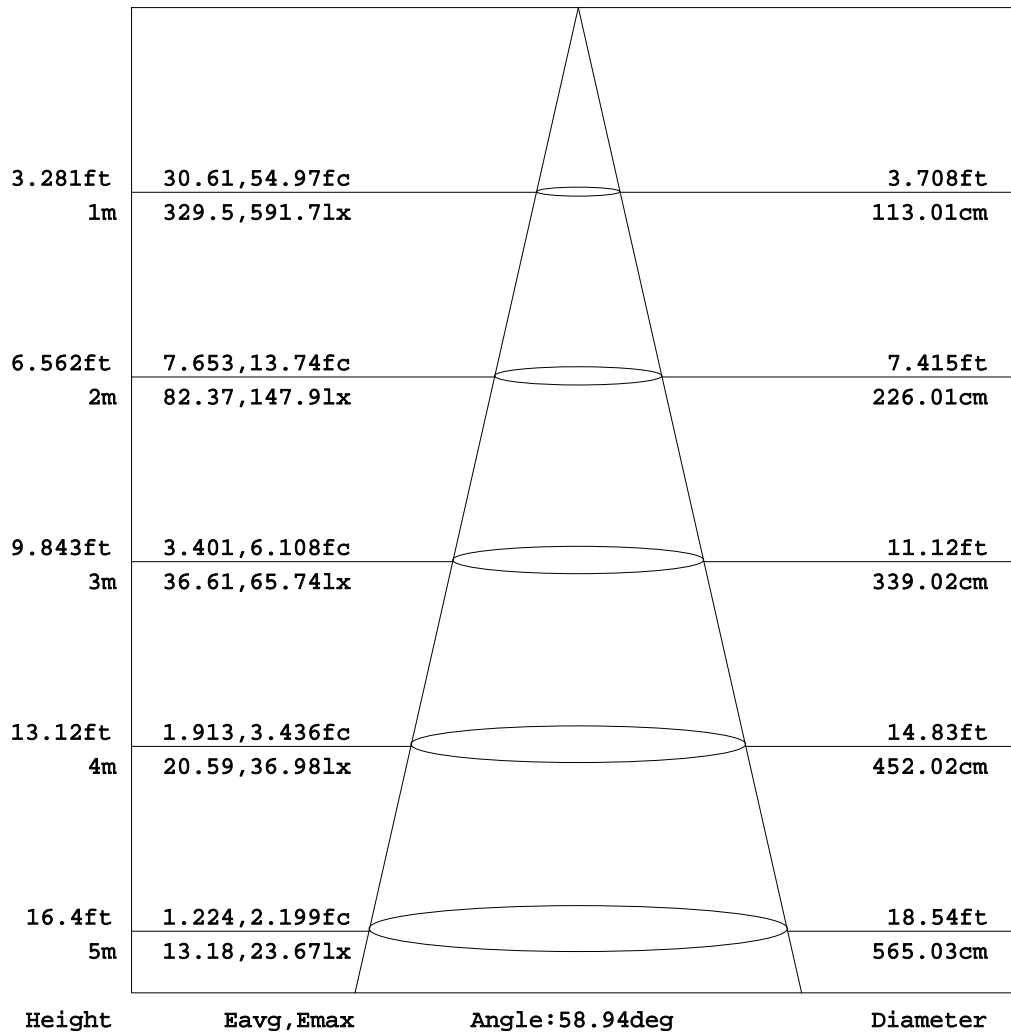
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**AAI Figure**

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Flux out:345.1 lm



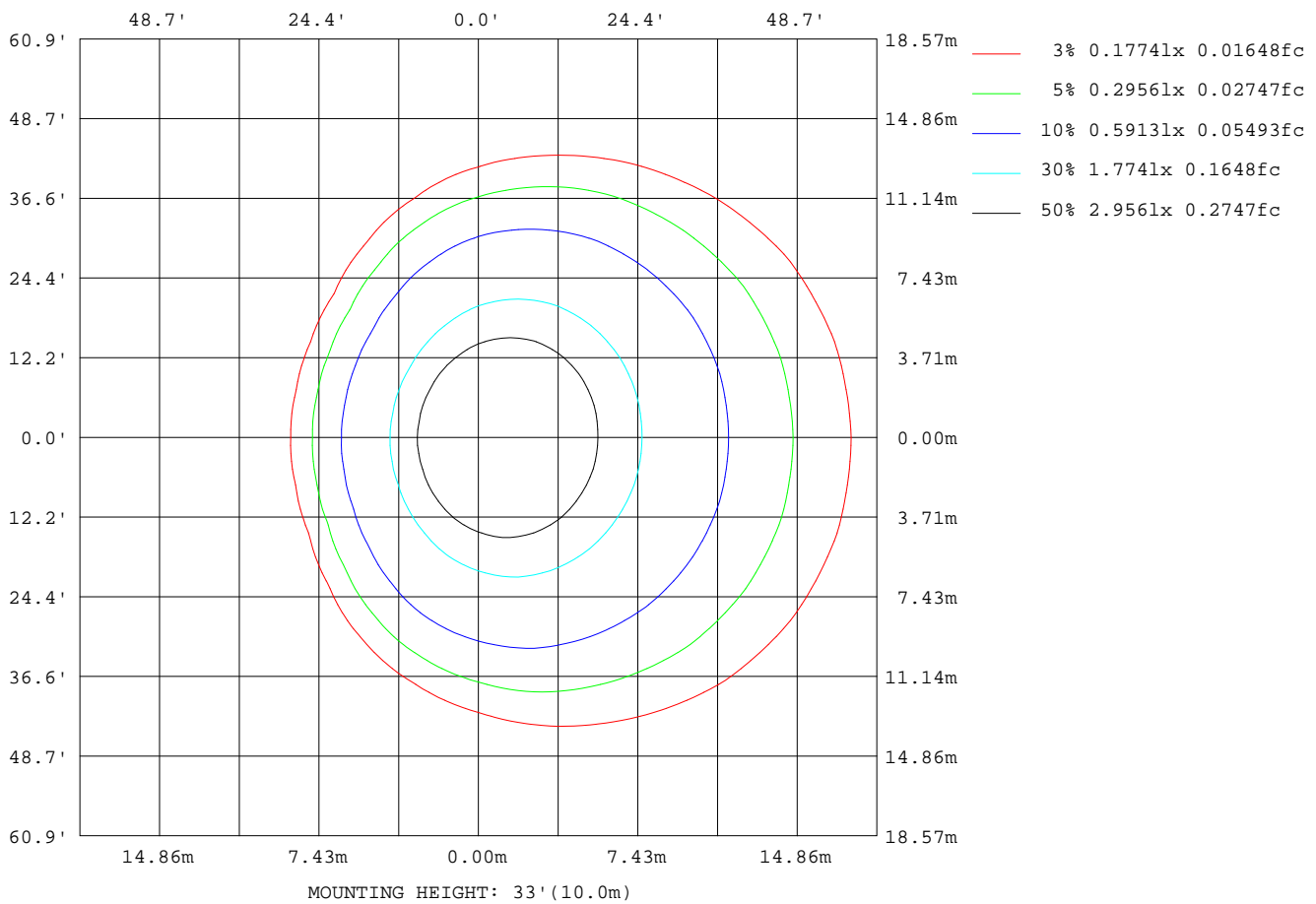
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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**ISOLUX DIAGRAM**

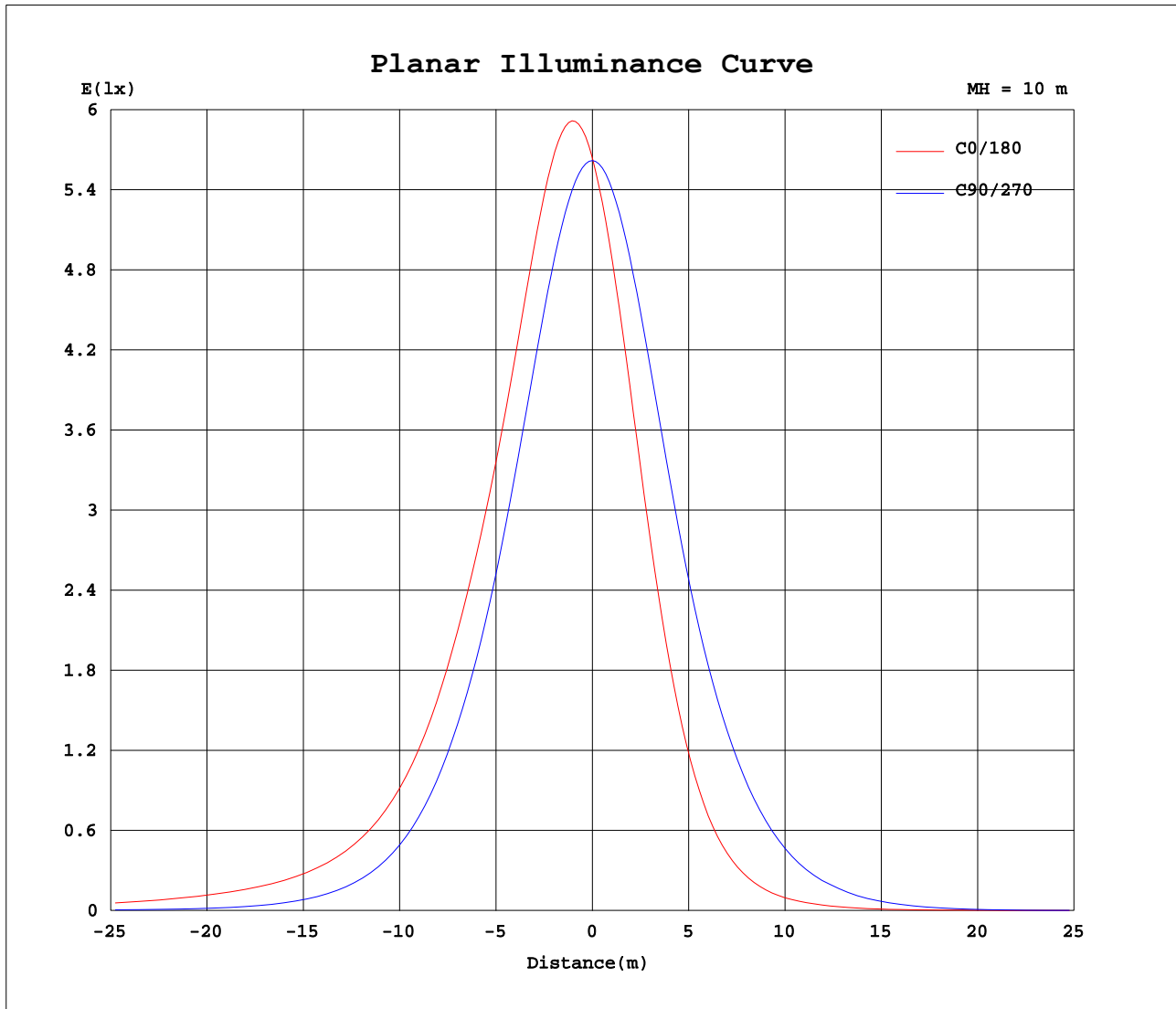
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### Planar Illuminance Curve



C Range: 0 - 360DEG  
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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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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	563.8	562.6	563.4	562.2	562.6	561.8	561.9	562.2	561.7	562.4
3.0	587.6	586.0	583.9	578.9	573.3	566.1	558.6	551.7	544.1	538.7
6.0	601.5	599.4	595.0	586.8	576.2	563.3	548.7	534.8	520.1	508.9
9.0	604.8	602.5	596.1	585.9	571.1	553.6	532.2	512.0	490.5	473.5
12.0	597.5	595.3	587.9	576.3	558.6	537.1	510.1	484.0	456.1	433.3
15.0	580.7	578.8	570.9	559.1	539.6	515.1	483.0	451.5	417.6	389.2
18.0	556.4	554.8	547.2	535.9	515.4	488.6	452.2	415.7	376.3	342.7
21.0	526.9	525.6	518.8	508.2	487.1	458.6	418.6	377.8	333.6	296.0
24.0	496.0	494.1	487.6	477.6	456.2	426.2	383.3	339.2	291.1	251.1
27.0	465.4	463.3	455.7	445.3	423.5	392.3	347.5	301.2	250.4	209.4
30.0	434.6	432.2	423.3	412.1	389.8	358.0	312.0	264.5	212.7	171.6
33.0	402.6	400.3	390.3	377.9	355.2	323.0	276.8	229.4	178.0	138.1
36.0	368.5	366.4	355.5	342.1	319.0	287.4	241.6	195.7	146.6	108.5
39.0	331.6	329.5	318.3	303.8	280.4	249.3	205.8	162.9	118.4	83.80
42.0	294.6	292.6	281.3	266.0	242.1	212.0	171.2	132.0	93.34	63.07
45.0	259.3	257.6	246.3	230.5	205.7	177.0	139.0	103.8	71.45	46.16
48.0	227.5	225.7	214.7	198.0	172.6	144.9	109.8	78.94	52.60	32.48
51.0	199.7	198.0	187.1	169.7	143.7	116.1	84.18	57.49	37.15	21.78
54.0	176.3	174.7	163.9	146.2	119.6	91.94	62.20	39.66	24.75	13.69
57.0	157.7	156.0	145.5	127.7	100.4	72.23	44.11	25.39	15.39	8.058
60.0	143.1	141.5	131.4	113.2	86.27	57.25	30.29	14.76	8.818	5.187
63.0	131.2	129.5	120.6	103.0	76.36	46.97	20.44	7.548	4.743	3.558
66.0	118.9	117.1	109.1	93.41	68.10	39.76	13.99	3.329	2.893	2.523
69.0	104.5	102.7	95.67	81.64	58.26	32.84	10.23	1.955	1.955	1.835
72.0	89.17	87.45	81.22	68.73	47.90	25.54	7.153	1.317	1.386	1.363
75.0	73.18	71.73	66.08	55.22	37.07	18.29	4.553	0.9373	1.016	1.020
78.0	56.26	55.17	50.05	40.97	26.12	11.41	2.497	0.6772	0.7464	0.7779
81.0	39.01	38.22	33.89	26.64	15.59	5.645	1.073	0.4849	0.5407	0.5877
84.0	21.67	21.18	17.95	13.19	6.820	1.862	0.3517	0.3363	0.3919	0.4369
87.0	6.221	5.867	4.241	2.759	1.187	0.2875	0.1972	0.2184	0.2759	0.3102
90.0	0.0700	0.0700	0.0918	0.0875	0.1006	0.0984	0.1050	0.1334	0.1749	0.2033

G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	561.5	562.4	563.8	562.6	563.4	562.2	562.6	561.8	561.9	562.2
3.0	533.1	531.2	532.2	531.6	535.2	538.2	544.8	550.7	558.5	566.0
6.0	498.2	493.6	493.6	493.2	500.2	507.5	520.4	532.9	548.2	562.7
9.0	457.6	450.0	448.8	448.9	459.1	470.7	489.9	509.1	531.8	552.6
12.0	412.4	401.5	399.2	399.8	412.9	429.1	454.4	479.9	509.3	536.2
15.0	363.6	350.5	347.0	348.1	363.1	382.9	414.3	445.9	481.9	513.8
18.0	314.2	299.5	295.6	296.9	312.8	335.1	371.1	408.6	450.1	487.0
21.0	265.7	250.2	245.8	247.3	263.5	287.0	325.9	368.5	415.1	456.1
24.0	220.2	204.5	199.9	201.4	217.1	241.1	281.3	327.6	378.4	422.7
27.0	178.7	163.6	159.0	160.5	175.1	198.5	238.9	287.4	341.0	387.6
30.0	142.1	128.3	124.1	125.3	138.4	160.3	199.7	248.9	304.2	352.1
33.0	110.6	97.82	94.24	95.89	106.4	126.8	164.2	212.7	268.1	316.4
36.0	84.12	73.53	70.73	71.96	80.57	98.12	132.7	178.9	233.0	280.1
39.0	62.56	54.09	52.12	52.95	59.61	74.35	104.6	147.7	197.7	242.5
42.0	45.10	38.92	37.82	38.41	43.15	54.64	81.00	118.9	163.8	205.0
45.0	31.59	27.55	27.27	27.57	30.46	39.05	61.10	93.03	131.9	169.6
48.0	21.37	19.50	19.98	20.07	21.13	26.89	44.41	70.36	102.6	137.2
51.0	14.11	13.85	14.07	14.29	15.32	18.72	32.32	52.59	78.51	109.6
54.0	9.646	9.327	9.277	9.393	10.17	11.28	20.36	34.92	54.80	82.75
57.0	6.519	6.148	6.066	6.138	6.727	7.584	12.51	22.39	36.29	61.72
60.0	4.425	4.198	4.138	4.176	4.535	5.106	7.229	13.10	21.78	44.98
63.0	3.127	2.999	2.963	2.996	3.204	3.535	4.368	7.032	11.26	33.27
66.0	2.294	2.226	2.195	2.223	2.368	2.543	2.979	3.676	4.676	26.02
69.0	1.725	1.689	1.669	1.687	1.789	1.891	2.094	2.303	2.255	20.71
72.0	1.307	1.296	1.289	1.302	1.374	1.425	1.529	1.550	1.454	15.65
75.0	1.000	1.001	0.9962	1.009	1.049	1.083	1.127	1.105	1.002	10.91
78.0	0.7617	0.7801	0.7733	0.7746	0.7952	0.8141	0.8300	0.7901	0.7119	6.660
81.0	0.5887	0.6096	0.5985	0.5930	0.6159	0.6105	0.6070	0.5646	0.5065	3.209
84.0	0.4488	0.4653	0.4565	0.4509	0.4608	0.4378	0.4236	0.3875	0.3296	0.9830
87.0	0.3306	0.3212	0.3407	0.3219	0.3297	0.3174	0.2992	0.2692	0.2030	0.2218
90.0	0.2252	0.2296	0.2252	0.2449	0.2383	0.2252	0.2099	0.1749	0.1290	0.1050

G/C	300.0	315.0	330.0	345.0
0.0	561.7	562.4	561.5	562.4
3.0	572.6	578.9	582.8	585.8
6.0	576.1	587.3	594.9	599.7
9.0	572.1	587.3	597.9	603.5
12.0	560.8	579.0	591.5	597.1
15.0	543.0	563.2	576.6	581.5
18.0	519.6	541.2	554.8	558.6
21.0	491.8	514.5	527.9	530.4

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-07-14

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:

Photometric Data Table [cd]

24.0	461.1	484.4	497.6	499.2
27.0	428.1	452.1	465.4	468.0
30.0	393.8	418.4	432.5	436.5
33.0	358.5	383.7	398.7	404.1
36.0	322.1	347.4	363.3	369.5
39.0	283.4	308.5	325.3	332.3
42.0	244.1	268.8	287.0	294.9
45.0	206.4	231.0	250.4	259.0
48.0	171.5	196.1	216.6	226.3
51.0	141.4	166.2	187.3	197.9
54.0	112.6	139.0	161.4	173.3
57.0	90.46	117.9	141.1	153.7
60.0	73.61	102.1	125.2	138.6
63.0	62.02	91.13	113.9	127.0
66.0	54.49	82.92	104.1	115.3
69.0	46.75	72.50	91.67	101.3
72.0	38.17	60.87	78.20	86.39
75.0	29.37	48.77	64.04	70.87
78.0	20.52	36.28	49.18	54.65
81.0	12.22	23.82	33.93	38.21
84.0	5.265	12.14	18.67	21.54
87.0	1.150	3.278	5.561	6.525
90.0	0.0787	0.0787	0.0700	0.0678

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-07-14

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: