

GONIOPHOTOMETERS SYSTEM TEST REPORT

LED Downlight Sense Series S45R1-4W-940-50



Light Output Ratio:	100.0%	
Luminaire Power:	5.314 W	
SHR Nominal:	0.75	Calculated using the TM5
SHR Maximum:	0.80	fine grid method.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2018-01-16

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:

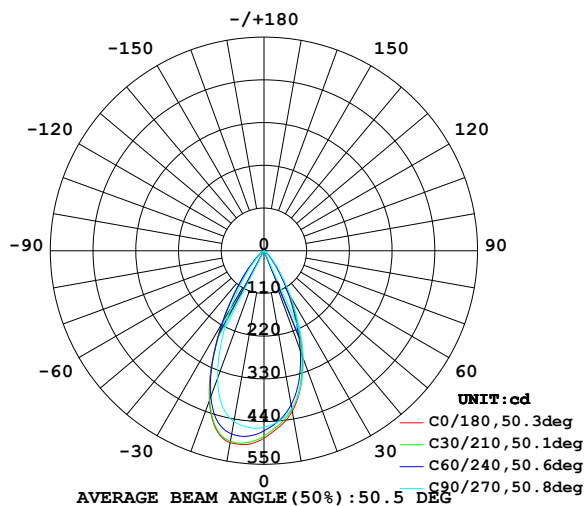
GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

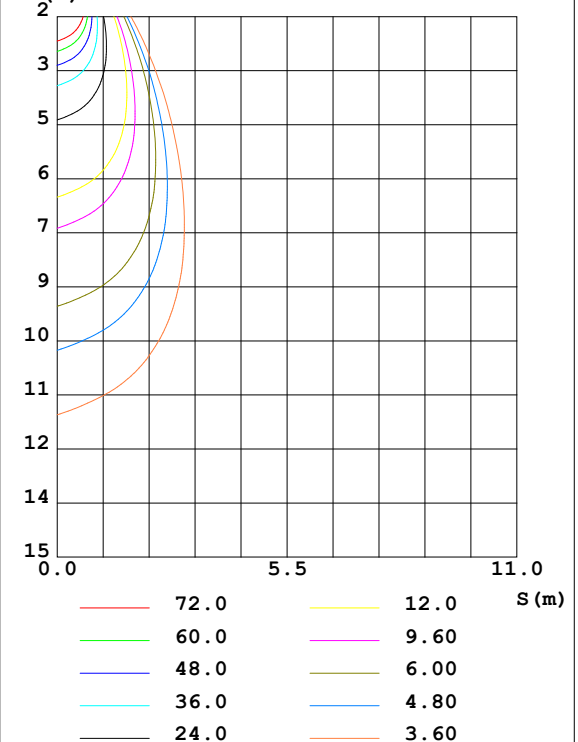
Test:U:220.7V I:0.0300A P:5.314W PF:0.7997 Lamp Flux:355.488x1 lm		
NAME: S45R1-4W-940-50	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: ϕ 55mm*H60mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 66.90 lm/W			
MODEL	CREE-4000K	I _{max} (cd)	502.6	S/MH (C0/180)	0.86
NOMINAL POWER (W)	6	LOR (%)	100.0	S/MH (C90/270)	0.82
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	355.49	η UP,DN (C0-180)	0.0,48.8
NOMINAL FLUX (lm)	355.488	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,51.2
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	0.80

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:2018-01-16

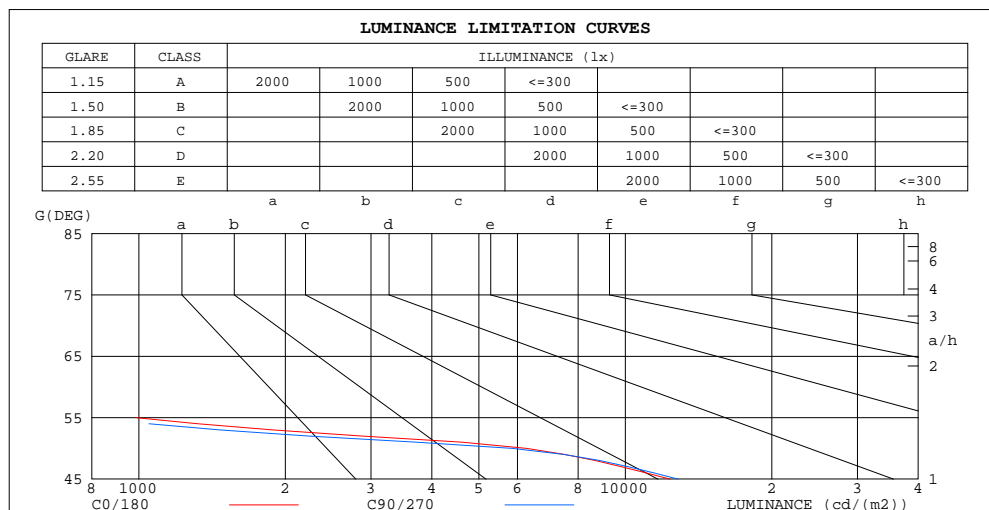
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
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ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	419.9	406.2	411.7	453.5	501.9	491.0	446.6	403.0	0- 10	43.08	43.08	12.1,12.1
20	288.9	275.5	296.3	376.8	411.4	411.7	349.3	267.5	10- 20	110.4	153.5	43.2,43.2
30	130.7	122.9	140.2	209.6	216.4	219.2	173.9	114.2	20- 30	112.7	266.2	74.9,74.9
40	41.63	38.00	43.04	73.41	71.25	73.75	56.34	33.59	30- 40	63.34	329.5	92.7,92.7
50	9.568	7.460	8.957	18.22	16.16	17.66	13.65	5.383	40- 50	22.05	351.6	98.9,98.9
60	0.6783	0.5811	0.5799	0.6250	0.5615	0.6390	0.6555	0.5820	50- 60	3.250	354.8	99.8,99.8
70	0.3130	0.2447	0.2561	0.2709	0.2381	0.2866	0.3015	0.2713	60- 70	0.4147	355.3	99.9,99.9
80	0.1160	0.0721	0.0941	0.1027	0.0786	0.1203	0.1092	0.0941	70- 80	0.1875	355.4	100,100
90	0.0087	0.0087	0.0066	0.0066	0	0.0153	0.0066	0	80- 90	0.0490	355.5	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(°)	C0/180	C90/270
85	244	201
80	281	228
75	321	267
70	385	315
65	447	375
60	571	488
55	987	796
50	6269	5868
45	12356	12831

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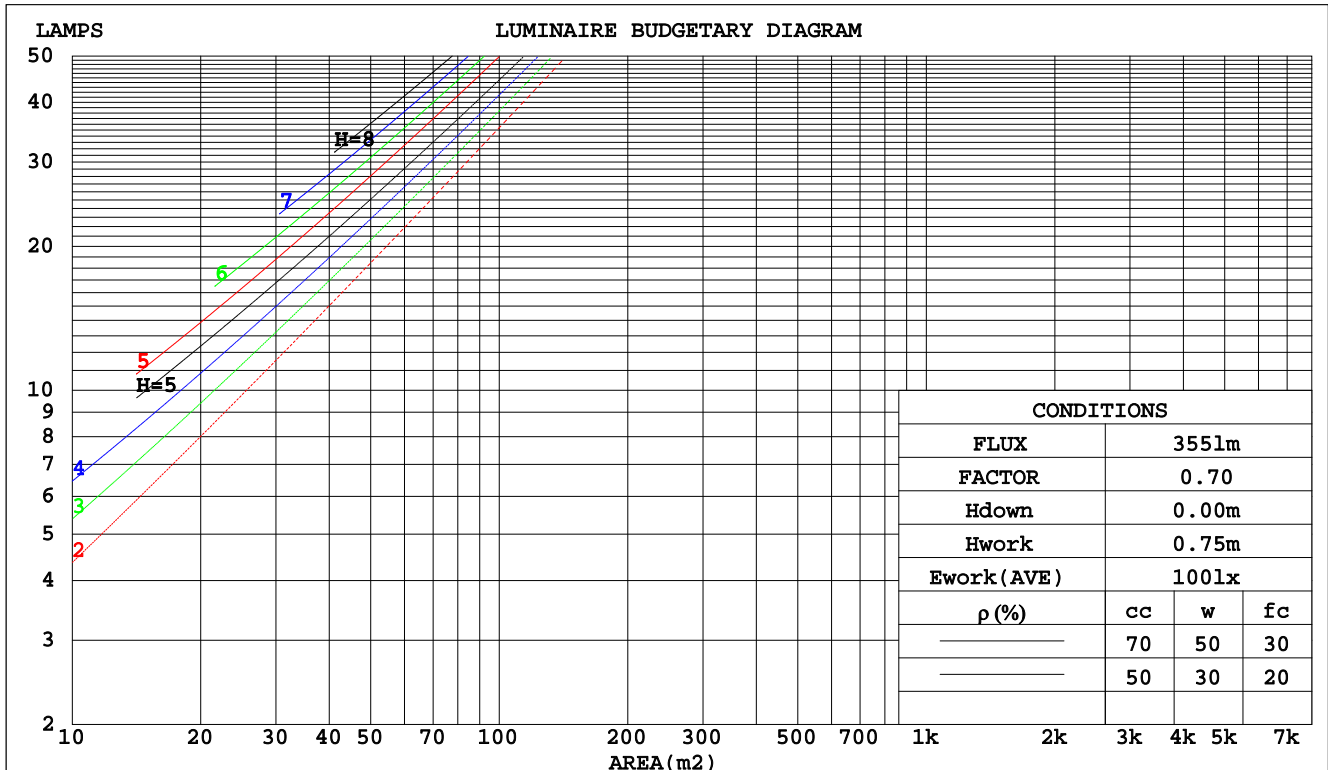
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.7V I:0.0300A P:5.314W PF:0.7997 Lamp Flux:355.488x1 lm		
NAME: S45R1-4W-940-50	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: ϕ 55mm*H60mm	
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	1.11	1.09	1.06	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	.00	.96	1.02	.98	.95	.99	.96	.93	.96	.93	.91	.93	.91	.89	.88
3.0	.97	.92	.88	.96	.91	.88	.93	.89	.86	.91	.87	.85	.88	.86	.84	.82
4.0	.91	.85	.81	.90	.85	.81	.88	.83	.80	.86	.82	.79	.84	.81	.78	.77
5.0	.85	.80	.76	.84	.79	.75	.83	.78	.75	.81	.77	.74	.79	.76	.73	.72
6.0	.80	.75	.70	.80	.74	.70	.78	.73	.70	.77	.72	.69	.75	.72	.69	.67
7.0	.76	.70	.66	.75	.70	.66	.74	.69	.65	.73	.68	.65	.72	.68	.65	.63
8.0	.72	.66	.62	.71	.66	.62	.70	.65	.61	.69	.64	.61	.68	.64	.61	.60
9.0	.68	.62	.58	.67	.62	.58	.66	.61	.58	.66	.61	.58	.65	.61	.58	.56
10.0	.64	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.55	.62	.57	.54	.53



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WEC AND CCEC

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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	.173	.098	.031	.166	.095	.030	.154	.088	.028	.142	.082	.026	.131	.076	.025		
2.0	.165	.091	.028	.160	.088	.027	.149	.083	.026	.139	.078	.024	.130	.074	.023		
3.0	.158	.084	.025	.153	.082	.025	.144	.078	.024	.136	.074	.023	.128	.071	.022		
4.0	.150	.078	.023	.146	.076	.023	.138	.073	.022	.131	.070	.021	.124	.068	.021		
5.0	.143	.073	.021	.140	.072	.021	.133	.069	.020	.127	.067	.020	.121	.065	.019		
6.0	.137	.069	.020	.134	.068	.019	.128	.065	.019	.122	.064	.019	.117	.062	.018		
7.0	.131	.065	.018	.128	.064	.018	.123	.062	.018	.118	.060	.018	.113	.059	.017		
8.0	.125	.061	.017	.123	.061	.017	.118	.059	.017	.114	.058	.017	.110	.056	.016		
9.0	.120	.058	.016	.118	.058	.016	.114	.056	.016	.110	.055	.016	.106	.054	.016		
10.0	.115	.055	.015	.113	.055	.015	.110	.054	.015	.106	.053	.015	.103	.052	.015		

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	.171	.157	.145	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.155	.133	.113	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.143	.114	.090	.122	.098	.078	.084	.068	.055	.049	.040	.032	.016	.013	.011	
4.0	.132	.099	.073	.114	.085	.063	.078	.059	.045	.045	.035	.026	.015	.011	.009	
5.0	.124	.087	.060	.106	.075	.052	.073	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.116	.078	.050	.100	.067	.044	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.110	.070	.042	.094	.061	.037	.065	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.104	.064	.036	.090	.055	.032	.062	.039	.023	.036	.023	.013	.012	.008	.004	
9.0	.099	.059	.032	.085	.051	.028	.059	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.094	.054	.028	.081	.047	.024	.057	.033	.017	.033	.020	.010	.011	.006	.003	

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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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UGR(Unified Glare Rating) Table

Test:U:220.7V I:0.0300A P:5.314W PF:0.7997 Lamp Flux:355.488x1 lm		
NAME: S45R1-4W-940-50	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: \varnothing 55mm*H60mm	
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	15.4	16.3	15.6	16.5	16.7	14.9	15.8	15.1	16.0	16.1
3H	15.2	16.1	15.5	16.3	16.5	14.7	15.6	15.0	15.8	16.0
4H	15.2	16.0	15.4	16.2	16.4	14.6	15.4	14.9	15.7	15.9
6H	15.1	15.8	15.4	16.1	16.3	14.6	15.3	14.8	15.5	15.8
8H	15.0	15.7	15.3	16.0	16.3	14.5	15.2	14.8	15.5	15.7
12H	15.0	15.7	15.3	15.9	16.2	14.5	15.2	14.8	15.4	15.7
4H 2H	15.2	16.0	15.4	16.2	16.4	14.6	15.4	14.9	15.7	15.9
3H	15.0	15.7	15.3	15.9	16.2	14.5	15.2	14.8	15.4	15.7
4H	14.9	15.5	15.2	15.8	16.1	14.4	15.0	14.7	15.3	15.6
6H	14.8	15.3	15.2	15.7	16.0	14.3	14.8	14.7	15.2	15.5
8H	14.7	15.3	15.1	15.6	16.0	14.2	14.7	14.6	15.1	15.5
12H	14.7	15.2	15.1	15.5	15.9	14.2	14.6	14.6	15.0	15.4
8H 4H	14.7	15.2	15.1	15.6	16.0	14.2	14.7	14.6	15.1	15.5
6H	14.6	15.1	15.1	15.5	15.9	14.1	14.5	14.6	14.9	15.3
8H	14.6	15.0	15.0	15.4	15.8	14.1	14.4	14.5	14.9	15.3
12H	14.5	14.8	15.0	15.3	15.8	14.0	14.3	14.5	14.8	15.2
12H 4H	14.7	15.2	15.1	15.5	15.9	14.2	14.6	14.6	15.0	15.4
6H	14.6	15.0	15.0	15.4	15.8	14.1	14.4	14.5	14.9	15.3
8H	14.5	14.8	15.0	15.3	15.8	14.0	14.3	14.5	14.8	15.2
Variations with the observer position at spacings:										
S = 1.0H	+ 3.0 / -16.2					+ 3.8 / -16.9				
1.5H	+ 4.9 / -15.7					+ 5.8 / -16.6				
2.0H	+ 6.8 / -12.1					+ 7.8 / -12.3				

CIE Pub.117 Corrected 355.5 lm Total Lamp Luminous Flux. ($8\log(F/F_0) = -3.6$)

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UTILIZATION FACTORS TABLE

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SPEC.:4000K	DIM.: $\varnothing 55\text{mm} \times H60\text{mm}$	
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) $k(RI) \times RCR = 5$									
$k = 0.60$	87	80	77	86	80	77	86	80	76	73
0.80	95	89	85	94	88	85	93	88	84	81
1.00	99	94	90	98	93	90	97	93	89	85
1.25	103	98	95	102	98	94	100	96	93	89
1.50	106	101	98	105	101	97	103	99	96	92
2.00	109	105	101	107	104	101	105	102	99	94
2.50	110	107	104	109	105	103	106	103	101	95
3.00	112	108	106	110	107	105	107	104	102	96
4.00	114	111	109	112	109	107	108	106	105	98
5.00	115	113	111	113	111	109	109	108	106	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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SPEC.:4000K	DIM.: ϕ 55mm*H60mm	
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Conical surface Flux(90deg):

343.92 lm

%lum = 96.7%

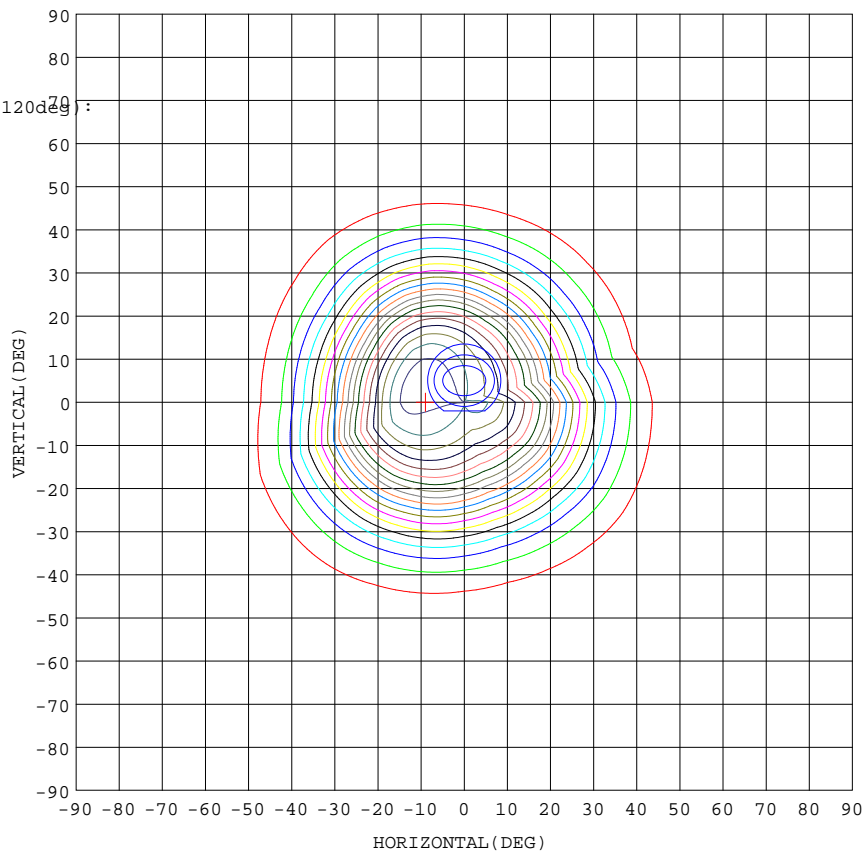
%lamp = 96.7%

Conical surface Flux(120deg):

354.84 lm

%lum = 99.8%

%lamp = 99.8%



1. AVG=457.5,MIN=423.9
2. AVG=457.1,MIN=408.4
3. AVG=454.0,MIN=392.7

Imax:502.6(H=9.0,V0.0)
(At:C=180.0,Gamma=9.0)

UNIT: cd

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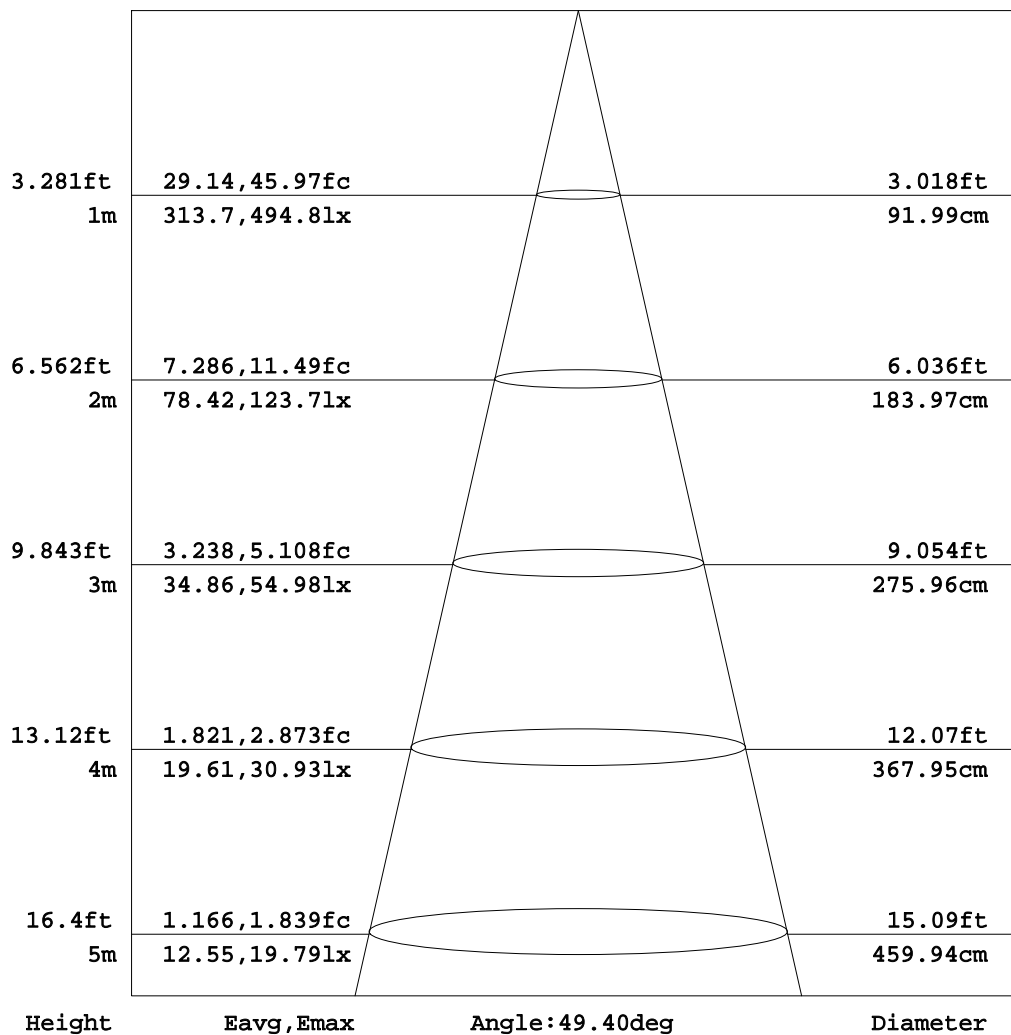
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AAI Figure

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MFR.: NEKO LIGHTING AG		

Flux out:214.3 lm



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

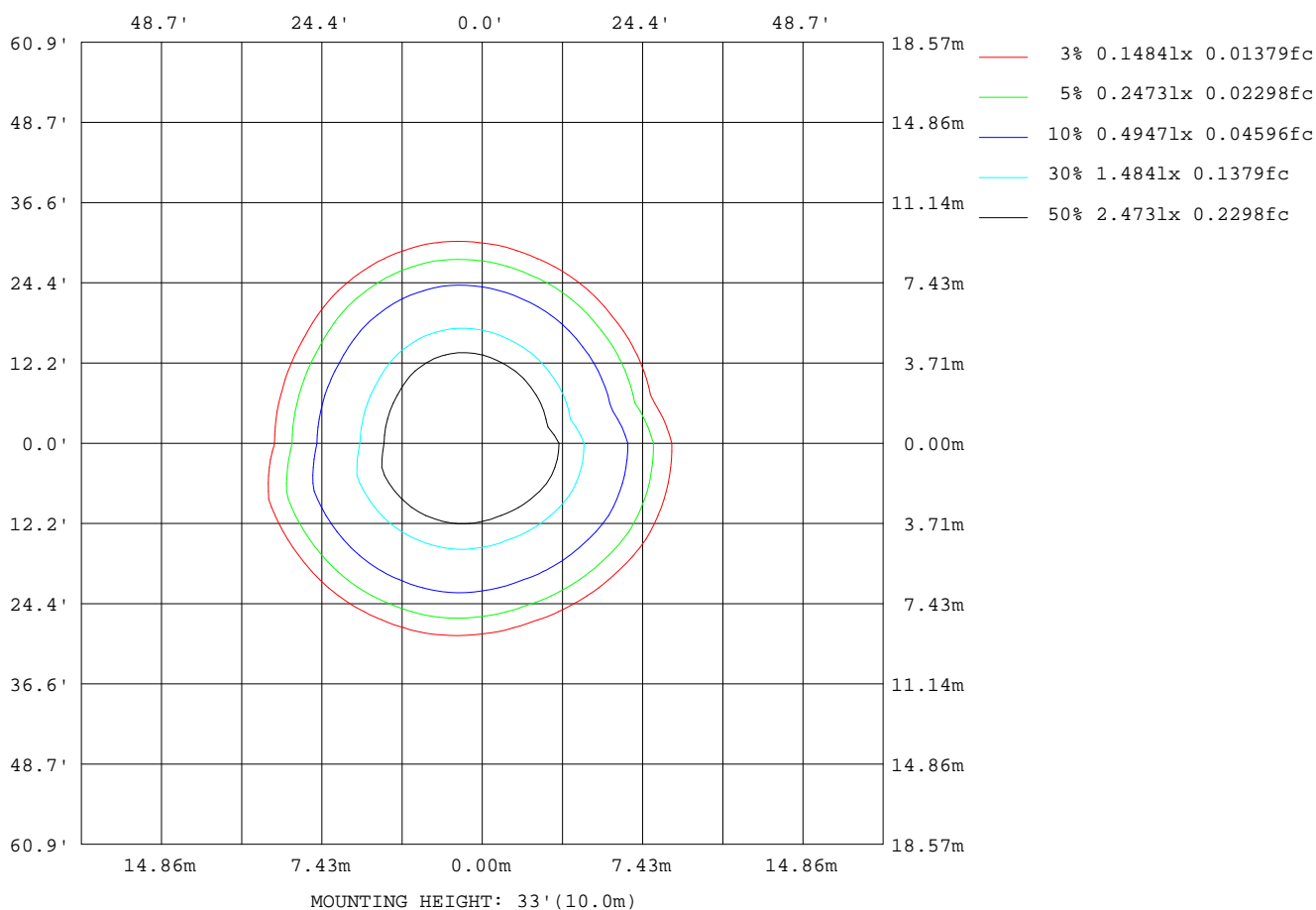
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ISOLUX DIAGRAM

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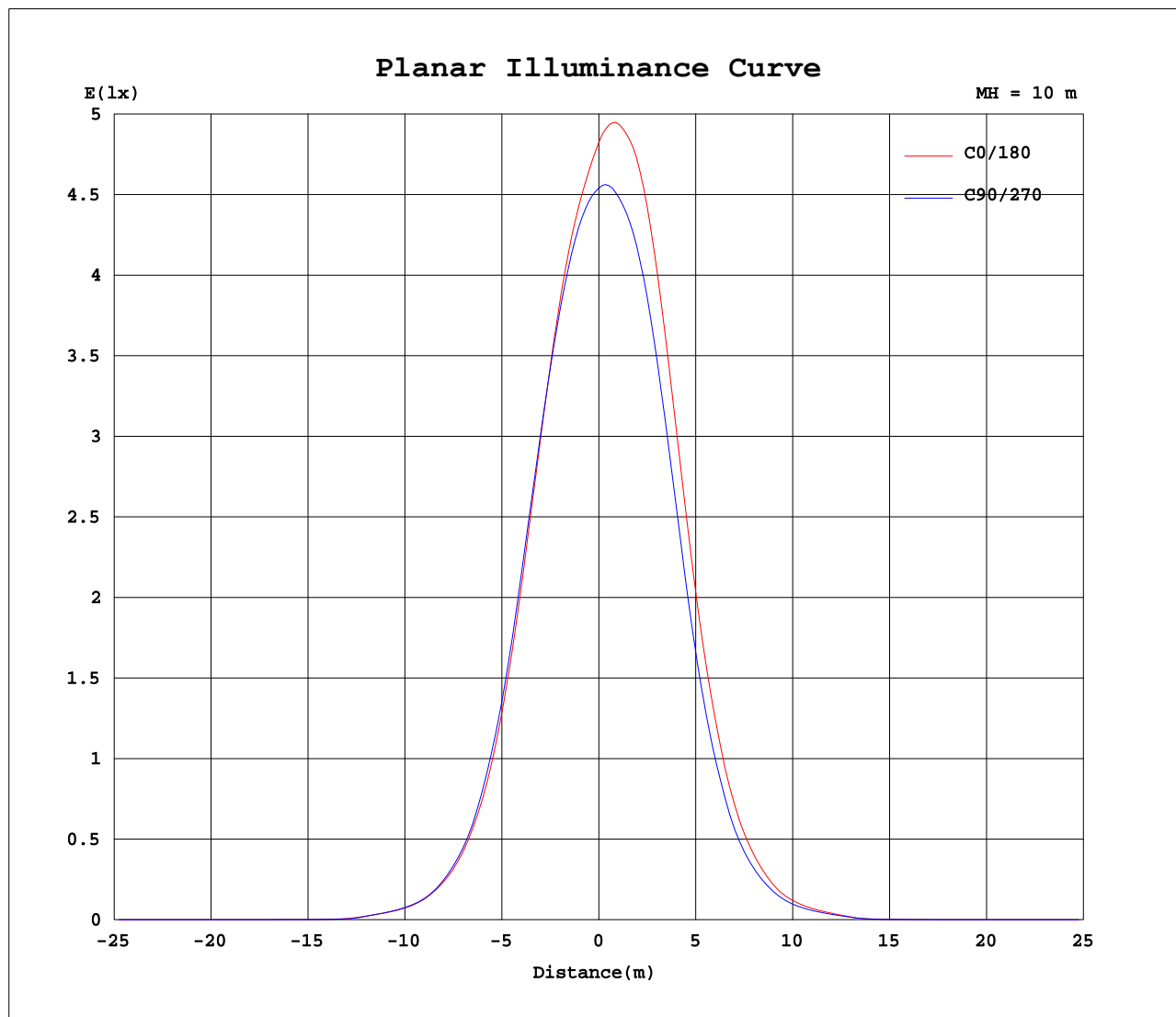


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Planar Illuminance Curve



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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:

```

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	482.4	480.6	477.4	469.9	463.7	455.6	454.0	453.1	452.2	451.2
3.0	466.1	463.5	460.8	454.3	450.2	445.3	447.3	450.7	454.0	457.4
6.0	449.3	446.8	443.7	437.2	433.7	430.8	436.3	443.7	450.9	458.4
9.0	428.3	426.0	422.5	415.1	411.7	410.2	418.9	431.4	443.1	455.9
12.0	400.2	398.5	395.5	386.1	383.0	383.2	395.4	412.2	429.1	446.9
15.0	364.3	362.8	359.9	349.9	347.3	348.6	364.2	385.6	406.7	429.4
18.0	320.7	320.1	317.5	306.9	304.9	307.6	325.6	350.2	374.3	401.4
21.0	271.7	271.9	269.5	258.9	256.9	260.8	280.6	306.7	332.7	362.8
24.0	220.5	221.2	219.5	209.2	207.3	211.3	230.4	257.5	284.1	315.4
27.0	172.8	174.2	173.0	163.6	161.9	165.7	182.8	207.2	231.7	262.5
30.0	130.7	132.3	131.1	122.9	121.9	124.6	140.2	161.8	182.7	209.6
33.0	96.91	97.51	97.00	89.20	87.51	89.23	101.7	119.3	137.7	160.9
36.0	68.73	69.05	68.89	63.31	61.84	63.46	72.51	85.35	98.53	115.8
39.0	47.52	48.44	47.90	43.72	42.11	43.00	49.79	59.95	69.98	82.82
42.0	31.29	32.03	31.69	28.63	27.41	27.85	32.12	38.95	46.26	56.31
45.0	20.75	21.33	21.21	19.37	18.47	18.79	21.55	25.74	29.88	36.02
48.0	13.79	14.18	14.10	12.56	11.74	11.87	14.09	17.21	20.04	23.97
51.0	6.892	7.297	6.846	4.477	3.708	3.714	5.543	9.473	12.24	15.56
54.0	1.844	1.914	1.783	1.364	1.190	1.368	1.464	2.177	3.362	6.241
57.0	0.8127	0.7867	0.7819	0.7168	0.7045	0.6928	0.7048	0.7601	1.041	1.481
60.0	0.6783	0.6533	0.6498	0.5811	0.5668	0.5636	0.5799	0.5878	0.6192	0.6250
63.0	0.5275	0.5003	0.5013	0.4370	0.4334	0.4238	0.4400	0.4522	0.4969	0.5134
66.0	0.4244	0.3978	0.4048	0.3540	0.3588	0.3431	0.3545	0.3409	0.3699	0.3736
69.0	0.3458	0.3211	0.3261	0.2687	0.2758	0.2622	0.2801	0.2753	0.3019	0.2863
72.0	0.2605	0.2359	0.2451	0.2010	0.2123	0.1988	0.2145	0.2119	0.2408	0.2316
75.0	0.1970	0.1748	0.1882	0.1442	0.1576	0.1399	0.1642	0.1595	0.1860	0.1748
78.0	0.1445	0.1223	0.1379	0.1005	0.1117	0.1005	0.1204	0.1114	0.1401	0.1311
81.0	0.1029	0.0786	0.0963	0.0633	0.0788	0.0633	0.0832	0.0721	0.1029	0.0917
84.0	0.0658	0.0458	0.0613	0.0284	0.0461	0.0305	0.0483	0.0393	0.0701	0.0589
87.0	0.0329	0.0109	0.0263	0.0066	0.0133	0.0066	0.0198	0.0109	0.0394	0.0327
90.0	0.0087	0.0087	0.0087	0.0087	0.0066	0.0066	0.0066	0.0066	0.0087	0.0066

G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	450.8	449.7	482.4	480.6	477.4	469.9	463.7	455.6	454.0	453.1
3.0	460.7	462.9	495.3	493.6	490.0	482.7	474.7	463.0	457.5	452.2
6.0	465.4	471.6	501.8	500.8	497.8	490.1	480.7	465.3	455.4	446.1
9.0	466.3	475.5	502.6	502.5	499.3	492.0	480.4	463.5	449.8	435.9
12.0	461.5	474.7	496.3	496.0	492.9	486.2	474.0	455.5	437.1	417.4
15.0	447.9	466.4	476.2	475.5	473.4	470.1	457.4	436.8	414.2	388.6
18.0	424.2	446.0	442.1	440.6	439.6	439.8	427.8	405.9	378.9	349.1
21.0	388.5	412.9	394.2	391.4	391.4	395.6	385.7	362.9	333.5	300.7
24.0	342.0	367.7	337.0	334.4	333.7	340.7	332.8	310.5	279.2	245.9
27.0	288.3	313.3	274.9	271.3	270.1	278.1	272.3	252.5	224.0	194.8
30.0	231.8	253.9	216.4	212.7	211.6	219.2	215.0	198.3	173.9	148.5
33.0	180.4	199.0	161.2	157.8	156.8	165.0	162.4	149.6	129.6	108.8
36.0	131.6	147.7	115.4	113.5	111.9	118.1	115.9	106.8	91.26	76.94
39.0	94.24	105.8	81.32	79.85	78.58	83.54	81.94	75.44	64.06	53.30
42.0	65.18	74.00	52.82	51.49	51.25	55.68	55.09	50.77	42.60	34.88
45.0	41.34	47.72	33.88	33.20	33.12	35.62	35.16	32.43	27.61	23.02
48.0	27.24	30.81	22.30	21.80	21.86	23.66	23.20	21.53	18.45	15.30
51.0	17.92	20.34	13.13	12.63	12.89	14.81	14.76	13.73	11.26	8.115
54.0	8.979	11.60	3.378	3.182	3.333	4.950	5.509	4.903	3.214	1.992
57.0	1.995	2.780	1.063	0.9653	1.035	1.371	1.554	1.502	1.135	0.7936
60.0	0.6962	0.9114	0.5615	0.5775	0.5725	0.6390	0.6533	0.6893	0.6555	0.6497
63.0	0.5405	0.5332	0.4433	0.4574	0.4521	0.5230	0.5351	0.5710	0.5285	0.5077
66.0	0.4116	0.4151	0.3168	0.3327	0.3255	0.3895	0.3954	0.4268	0.3954	0.3960
69.0	0.3107	0.2972	0.2513	0.2713	0.2621	0.3041	0.3037	0.3412	0.3233	0.3325
72.0	0.2582	0.2403	0.2053	0.2188	0.2075	0.2516	0.2490	0.2801	0.2534	0.2604
75.0	0.2013	0.1879	0.1507	0.1664	0.1529	0.1948	0.1922	0.2166	0.1922	0.1970
78.0	0.1575	0.1377	0.1092	0.1269	0.1093	0.1488	0.1376	0.1663	0.1377	0.1445
81.0	0.1160	0.1005	0.0699	0.0897	0.0720	0.1072	0.1004	0.1204	0.0982	0.1051
84.0	0.0789	0.0677	0.0392	0.0591	0.0393	0.0722	0.0611	0.0854	0.0676	0.0679
87.0	0.0526	0.0350	0.0087	0.0329	0.0108	0.0438	0.0283	0.0482	0.0304	0.0329
90.0	0.0219	0.0197	0	0	0	0.0153	0.0087	0.0175	0.0066	0

G/C	300.0	315.0	330.0	345.0
0.0	452.2	451.2	450.8	449.7
3.0	447.7	443.1	439.8	436.2
6.0	438.0	430.0	424.1	418.1
9.0	423.7	411.0	402.0	393.1
12.0	401.1	384.3	372.2	360.0
15.0	368.2	347.8	333.0	318.9
18.0	325.7	302.5	287.0	271.4
21.0	275.1	250.0	234.6	220.5

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng Yongjian
 Test Date: 2018-01-16

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	222.5	199.5	185.9	173.1
27.0	173.7	153.2	141.5	131.3
30.0	131.0	114.2	104.5	96.98
33.0	94.43	81.79	74.37	68.96
36.0	66.70	57.42	52.11	47.64
39.0	45.90	38.82	34.90	31.46
42.0	29.84	25.30	22.88	20.78
45.0	19.96	17.00	15.37	13.85
48.0	13.03	10.58	9.142	7.556
51.0	5.354	3.219	2.503	1.984
54.0	1.487	1.127	0.9297	0.8089
57.0	0.7320	0.7219	0.6795	0.6694
60.0	0.6072	0.5820	0.5373	0.5229
63.0	0.4609	0.4508	0.4151	0.4178
66.0	0.3693	0.3741	0.3452	0.3457
69.0	0.3035	0.2976	0.2621	0.2626
72.0	0.2271	0.2276	0.1965	0.1992
75.0	0.1682	0.1707	0.1376	0.1488
78.0	0.1157	0.1226	0.0960	0.1007
81.0	0.0721	0.0810	0.0567	0.0635
84.0	0.0370	0.0460	0.0195	0.0307
87.0	0.0043	0.0132	0	0.0001
90.0	0	0	0	0

C Range: 0 - 360DEG
 C Interval: 15.0DEG
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 Temperature: 25.3DEG
 Operators: Meng Yongjian
 Test Date: 2018-01-16

γ Range: 0 - 90DEG
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 Test Distance: 5.850m [K=1.0000]
 Remarks: