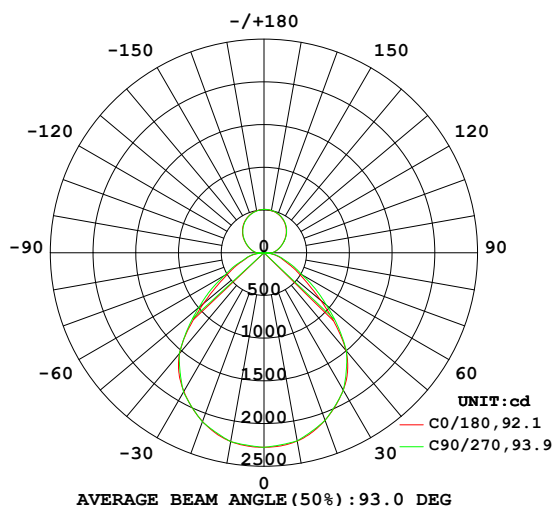


LUMINAIRE PHOTOMETRIC TEST REPORT

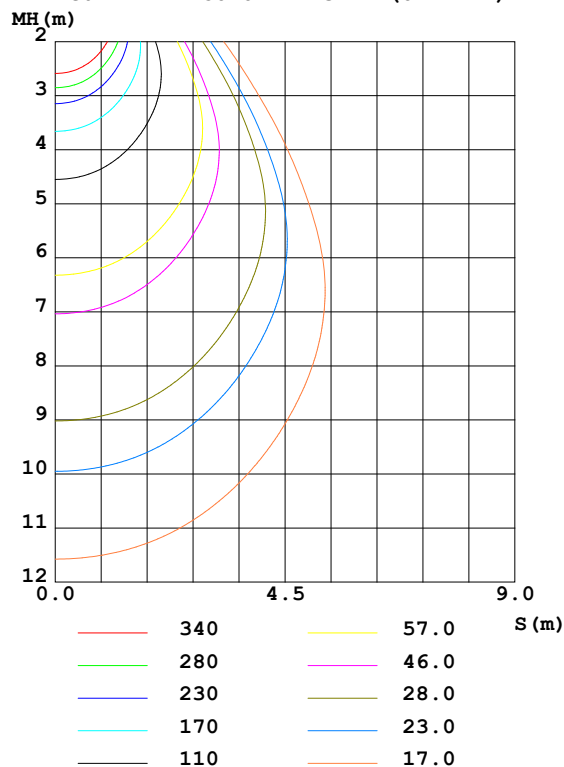
Test:U:220.3V I:0.2712A P:59.76W PF:0 Freq:0Hz Lamp Flux:6703.94x1 lm		
NAME: GAME 600-U-56W-840	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: ϕ 600mm*H105mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 600mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 112.19 lm/W			
MODEL	OSRAM-4000K	I _{max} (cd)	2277	S/MH (C0/180)	1.23
NOMINAL POWER (W)	39	LOR (%)	100.0	S/MH (C90/270)	1.23
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	6703.9	η UP, DN (C0-180)	13.3, 36.7
NOMINAL FLUX (lm)	6703.94	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	12.8, 37.3
LAMPS INSIDE	1	η up (%)	26.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220.0	η down (%)	73.9	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.850m [K=1.7094]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

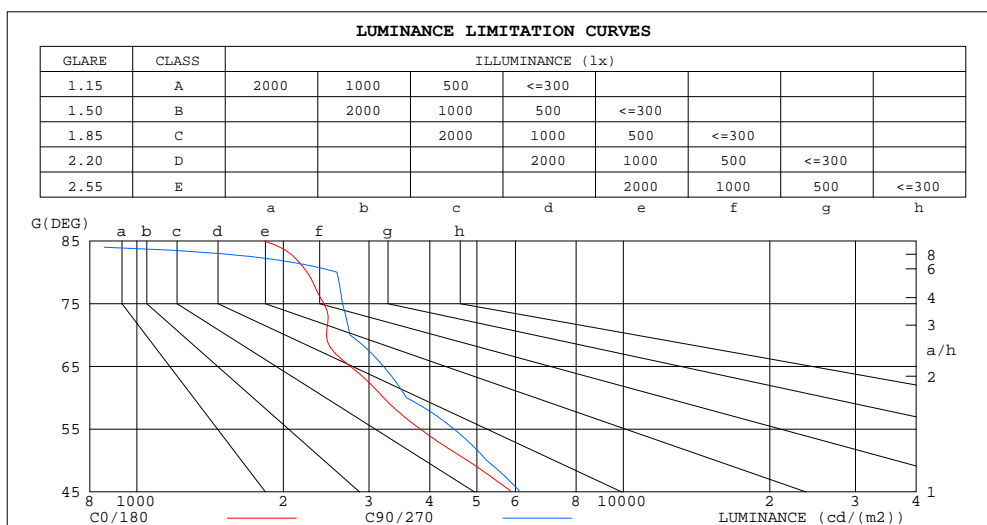
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	2238	2230	2237	2225	2243	2233	2245	2236	0- 10	215.0	215.0	3.21,3.21
20	2087	2086	2089	2074	2102	2083	2107	2101	10- 20	612.7	827.8	12.3,12.3
30	1855	1851	1858	1855	1876	1866	1884	1875	20- 30	914.2	1742	26,26
40	1492	1487	1502	1514	1539	1528	1542	1530	30- 40	1063	2805	41.8,41.8
50	868.1	848.7	951.4	967.3	922.4	921.5	992.5	968.3	40- 50	942.5	3747	55.9,55.9
60	454.3	456.3	506.1	497.0	481.0	478.1	529.3	506.6	50- 60	609.8	4357	65,65
70	237.1	241.1	265.0	254.9	247.7	242.7	261.4	255.3	60- 70	354.4	4712	70.3,70.3
80	109.8	114.2	126.5	125.0	123.8	113.2	135.3	124.9	70- 80	196.8	4908	73.2,73.2
90	94.97	95.73	93.75	86.41	83.10	78.13	84.25	88.55	80- 90	48.64	4957	73.9,73.9
100	146.8	148.9	148.0	141.9	135.8	131.7	133.1	141.9	90-100	124.8	5082	75.8,75.8
110	205.1	209.6	206.3	203.0	192.9	188.9	188.6	201.1	100-110	179.7	5262	78.5,78.5
120	270.7	280.7	274.0	269.6	256.6	251.5	251.7	266.1	110-120	229.7	5491	81.9,81.9
130	338.8	345.5	343.2	335.4	325.2	318.6	320.0	330.7	120-130	268.5	5760	85.9,85.9
140	399.1	404.7	404.0	395.9	387.4	381.2	382.1	390.2	130-140	280.9	6041	90.1,90.1
150	447.7	452.4	452.2	445.7	438.6	433.5	433.9	440.4	140-150	262.7	6303	94,94
160	482.3	485.9	485.8	481.3	476.3	472.6	472.8	477.2	150-160	213.5	6517	97.2,97.2
170	502.5	504.4	504.4	502.1	499.5	497.6	497.7	499.9	160-170	139.0	6656	99.3,99.3
180	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	170-180	48.17	6704	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.850m [K=1.7094]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.3V I:0.2712A P:59.76W PF:0 Freq:0Hz Lamp Flux:6703.94x1 lm		
NAME: GAME 600-U-56W-840	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: ϕ 600mm*H105mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 600mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1823	0
80	2238	2579
75	2422	2646
70	2453	2742
65	2747	3211
60	3215	3582
55	3825	4488
50	4779	5237
45	5895	6139

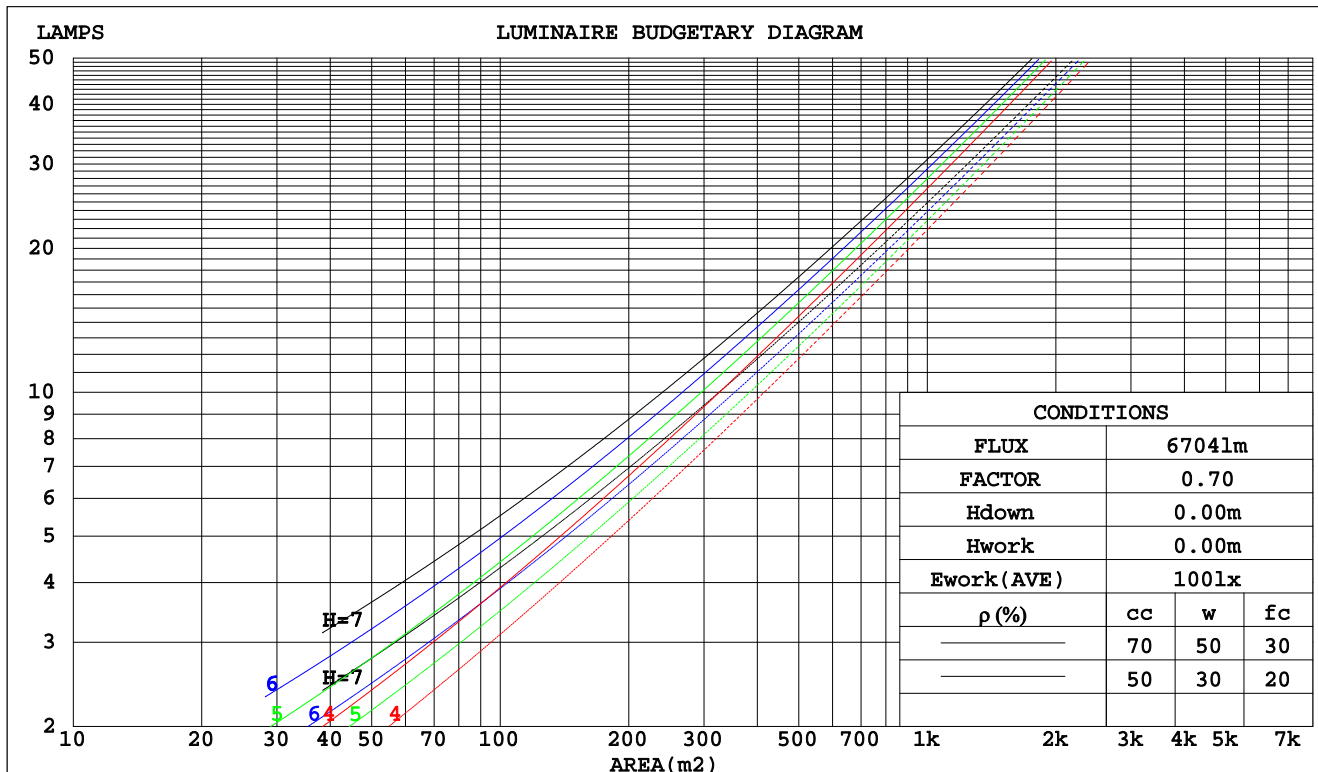
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.850m [K=1.7094]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.3V I:0.2712A P:59.76W PF:0 Freq:0Hz Lamp Flux:6703.94x1 lm		
NAME: GAME 600-U-56W-840	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: ϕ 600mm*H105mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 600mm	Shielding Angle:

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	1.13	1.13	1.13	1.07	1.07	1.07	.97	.97	.97	.87	.87	.87	.78	.78	.78	.74
1.0	1.00	.96	.93	.95	.92	.89	.86	.84	.82	.78	.76	.75	.71	.69	.68	.64
2.0	.89	.83	.78	.85	.79	.75	.77	.73	.69	.70	.67	.64	.63	.61	.59	.56
3.0	.79	.72	.66	.75	.69	.64	.69	.64	.60	.63	.59	.55	.57	.54	.51	.48
4.0	.71	.63	.57	.68	.61	.55	.62	.56	.52	.57	.52	.48	.52	.48	.45	.42
5.0	.63	.55	.50	.61	.54	.48	.56	.50	.45	.51	.46	.43	.47	.43	.40	.37
6.0	.57	.49	.44	.55	.48	.42	.51	.45	.40	.47	.42	.38	.43	.39	.36	.33
7.0	.52	.44	.39	.50	.43	.38	.46	.40	.36	.43	.38	.34	.39	.35	.32	.30
8.0	.48	.40	.35	.46	.39	.34	.43	.36	.32	.39	.34	.30	.36	.32	.29	.27
9.0	.44	.36	.31	.42	.35	.31	.39	.33	.29	.36	.31	.28	.34	.29	.26	.24
10.0	.40	.33	.28	.39	.32	.28	.36	.31	.26	.34	.29	.25	.31	.27	.24	.22



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.850m [K=1.7094]
Remarks:

WEC AND CCEC

Test:U:220.3V I:0.2712A P:59.76W PF:0 Freq:0Hz Lamp Flux:6703.94x1 lm		
NAME: GAME 600-U-56W-840	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: φ600mm*H105mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:φ600mm	Shielding Angle:

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	.263	.149	.047	.248	.141	.045	.220	.126	.040	.195	.112	.036	.171	.099	.032		
2.0	.249	.136	.042	.236	.130	.040	.211	.117	.036	.187	.105	.033	.166	.094	.030		
3.0	.233	.124	.037	.221	.118	.036	.198	.107	.033	.177	.097	.030	.158	.087	.027		
4.0	.217	.113	.033	.206	.108	.032	.186	.099	.029	.167	.089	.027	.149	.081	.025		
5.0	.203	.103	.030	.193	.099	.029	.174	.091	.027	.157	.083	.025	.140	.075	.023		
6.0	.190	.095	.027	.181	.091	.026	.164	.084	.024	.147	.077	.023	.132	.070	.021		
7.0	.178	.088	.025	.170	.085	.024	.154	.078	.022	.139	.071	.021	.125	.065	.019		
8.0	.168	.082	.023	.160	.079	.022	.145	.073	.021	.131	.067	.019	.118	.061	.018		
9.0	.158	.076	.021	.151	.074	.021	.137	.068	.019	.124	.062	.018	.112	.057	.016		
10.0	.149	.072	.020	.143	.069	.019	.130	.064	.018	.118	.059	.017	.107	.054	.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	.389	.389	.389	.332	.332	.332	.227	.227	.227	.130	.130	.130	.042	.042	.042	
1.0	.377	.357	.338	.323	.306	.291	.221	.211	.201	.127	.122	.117	.041	.039	.038	
2.0	.368	.334	.305	.315	.287	.263	.216	.199	.184	.125	.116	.108	.040	.037	.035	
3.0	.360	.317	.282	.309	.273	.245	.212	.190	.172	.122	.111	.101	.039	.036	.033	
4.0	.352	.304	.267	.302	.262	.232	.208	.183	.163	.120	.107	.096	.039	.035	.032	
5.0	.346	.294	.255	.297	.254	.222	.204	.178	.157	.118	.104	.093	.038	.034	.031	
6.0	.339	.286	.247	.291	.247	.215	.201	.173	.152	.117	.102	.091	.038	.033	.030	
7.0	.333	.279	.241	.286	.242	.210	.198	.170	.149	.115	.100	.089	.037	.033	.029	
8.0	.327	.274	.237	.282	.237	.206	.195	.167	.146	.113	.098	.087	.037	.032	.029	
9.0	.322	.269	.233	.277	.233	.203	.192	.164	.144	.112	.097	.086	.036	.032	.029	
10.0	.317	.265	.230	.273	.230	.201	.189	.162	.143	.110	.096	.085	.036	.031	.028	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2019-11-15

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.850m [K=1.7094]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.3V I:0.2712A P:59.76W PF:0 Freq:0Hz Lamp Flux:6703.94x1 lm											
NAME: GAME 600-U-56W-840					TYPE:Ceiling light			WEIGHT:			
SPEC.:3000K					DIM.: φ600mm*H105mm			SERIAL No.:			
MFR.: NEKO LIGHTING AG					SUR.:φ600mm			Shielding Angle:			
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		8.8	9.9	9.4	10.5	11.1	9.1	10.2	9.7	10.8	11.5
	3H	9.4	10.4	10.1	11.0	11.8	9.9	10.9	10.5	11.5	12.2
	4H	9.8	10.7	10.4	11.3	12.0	10.2	11.1	10.9	11.8	12.5
	6H	10.0	10.9	10.7	11.5	12.3	10.5	11.3	11.2	12.0	12.8
	8H	10.1	10.9	10.7	11.5	12.3	10.5	11.3	11.2	12.0	12.8
	12H	10.1	10.8	10.7	11.5	12.3	10.5	11.3	11.2	11.9	12.7
4H	2H	9.0	9.9	9.6	10.5	11.2	9.2	10.2	9.9	10.8	11.5
	3H	9.8	10.6	10.5	11.3	12.1	10.2	11.0	10.9	11.6	12.4
	4H	10.3	11.0	11.0	11.7	12.5	10.6	11.3	11.3	12.0	12.9
	6H	10.7	11.3	11.4	12.0	12.9	11.0	11.6	11.8	12.4	13.2
	8H	10.7	11.3	11.5	12.0	12.9	11.1	11.7	11.8	12.4	13.3
	12H	10.8	11.3	11.5	12.0	12.9	11.0	11.6	11.8	12.3	13.2
8H	4H	10.4	10.9	11.1	11.7	12.6	10.7	11.3	11.4	12.0	12.9
	6H	10.9	11.4	11.7	12.1	13.1	11.2	11.7	12.0	12.4	13.4
	8H	11.1	11.5	11.9	12.3	13.2	11.3	11.7	12.1	12.5	13.5
	12H	11.2	11.5	12.0	12.3	13.3	11.3	11.6	12.1	12.4	13.4
12H	4H	10.3	10.9	11.1	11.6	12.5	10.7	11.2	11.4	11.9	12.8
	6H	10.9	11.3	11.7	12.1	13.1	11.2	11.6	12.0	12.4	13.4
	8H	11.1	11.5	12.0	12.3	13.3	11.4	11.7	12.2	12.5	13.5
Variations with the observer position at spacings:											
S = 1.0H	+ 0.5 / - 0.6					+ 0.3 / - 0.4					
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.3					
2.0H	+ 1.2 / - 0.7					+ 1.0 / - 0.8					

CIE Pub.117, 6704 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 6.6$)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.850m [K=1.7094]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.3V I:0.2712A P:59.76W PF:0 Freq:0Hz Lamp Flux:6703.94x1 lm		
NAME: GAME 600-U-56W-840	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: ϕ 600mm*H105mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 600mm	Shielding Angle:

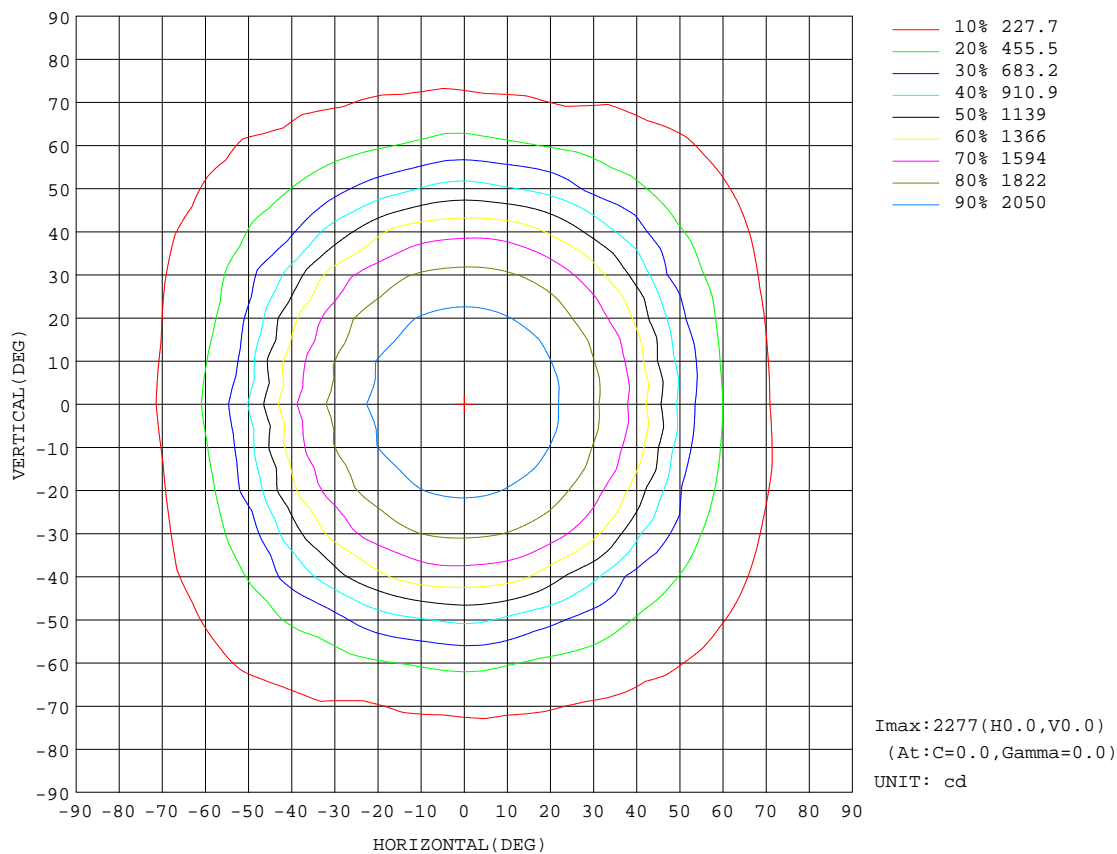
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	55	45	39	54	44	38	51	43	37	31
0.80	65	54	48	63	53	47	59	51	45	38
1.00	73	62	56	70	61	55	66	59	53	44
1.25	79	70	63	76	68	62	71	64	59	49
1.50	84	75	68	81	73	67	75	68	63	53
2.00	90	82	76	87	79	74	80	74	70	57
2.50	94	87	81	90	83	78	82	77	73	60
3.00	97	90	85	93	87	82	85	80	77	62
4.00	101	95	91	96	91	87	88	84	81	65
5.00	103	98	94	98	94	91	89	86	84	66
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.850m [K=1.7094]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.3V I:0.2712A P:59.76W PF:0 Freq:0Hz Lamp Flux:6703.94x1 lm		
NAME: GAME 600-U-56W-840	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: ϕ 600mm*H105mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 600mm	Shielding Angle:

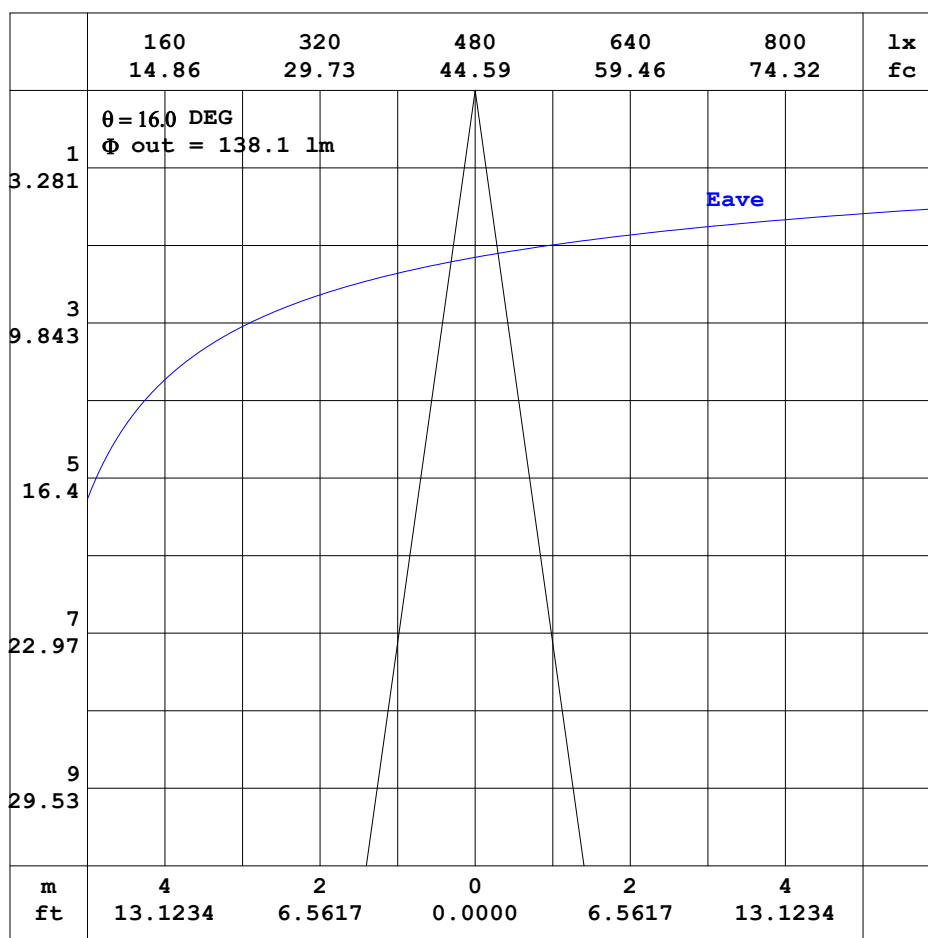


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.850m [K=1.7094]
Remarks:

AAI CURVES

Test:U:220.3V I:0.2712A P:59.76W PF:0 Freq:0Hz Lamp Flux:6703.94x1 lm		
NAME: GAME 600-U-56W-840	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: ϕ 600mm*H105mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 600mm	Shielding Angle:



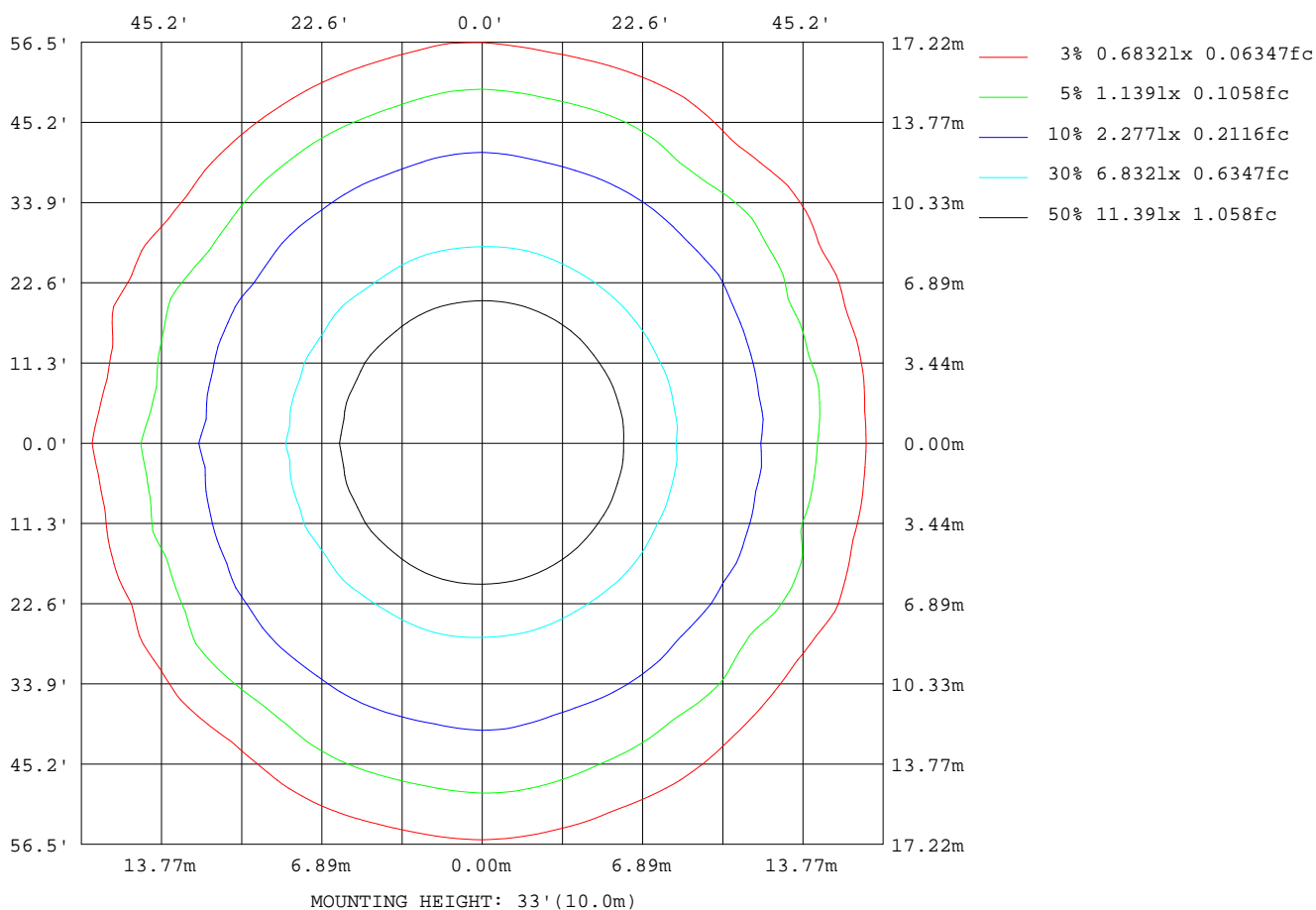
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.850m [K=1.7094]
Remarks:

ISOLUX DIAGRAM

Test:U:220.3V I:0.2712A P:59.76W PF:0 Freq:0Hz Lamp Flux:6703.94x1 lm		
NAME: GAME 600-U-56W-840	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: ϕ 600mm*H105mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 600mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.850m [K=1.7094]
Remarks:

LED Avg.L Report

Test:U:220.3V I:0.2712A P:59.76W PF:0 Freq:0Hz Lamp Flux:6703.94x1 lm		
NAME: GAME 600-U-56W-840	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: ϕ 600mm*H105mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 600mm	Shielding Angle:

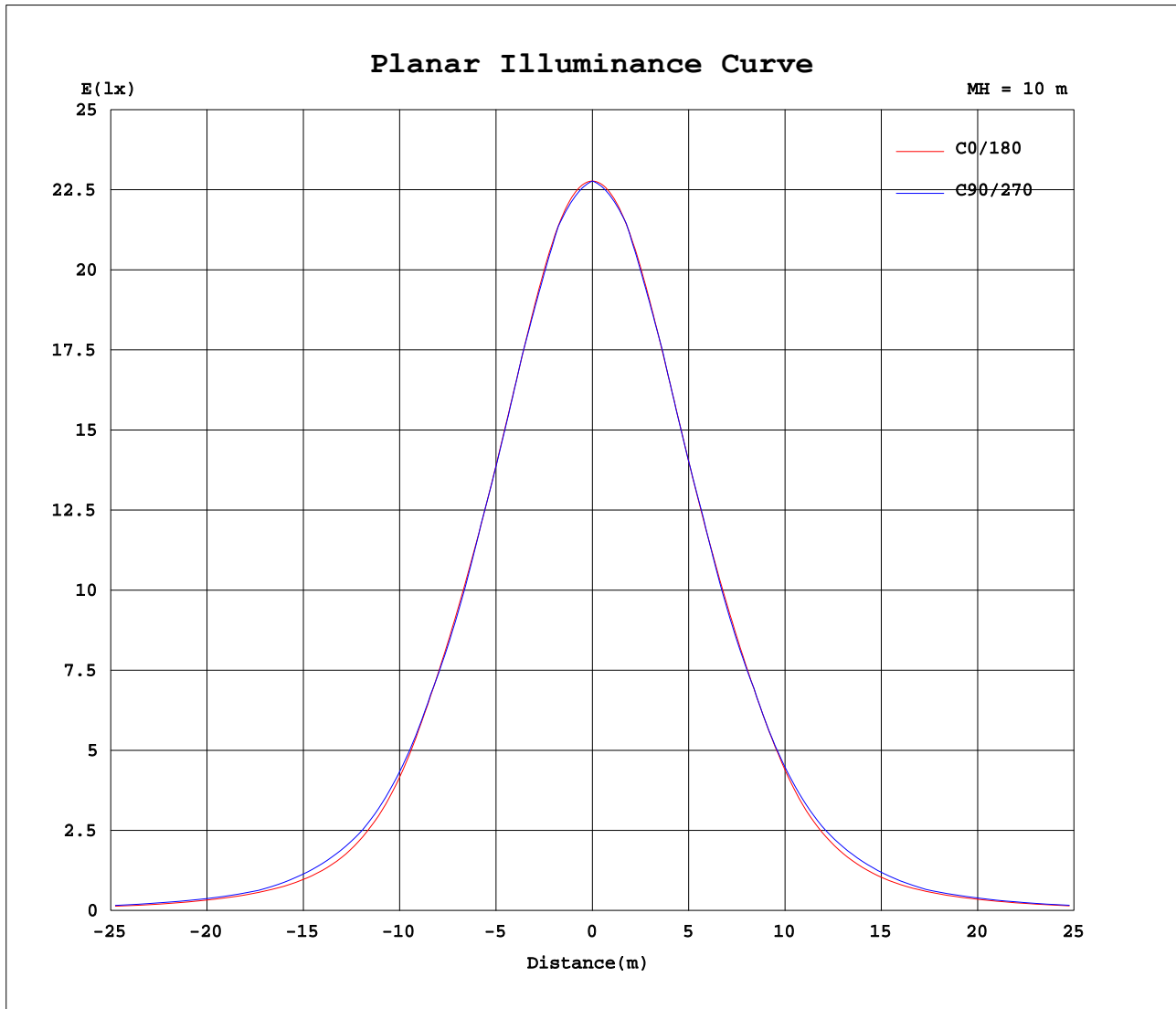
AvgL	cd/m2
L_0~180 (65) av	2871
L_0~180 (75) av	2511
L_0~180 (85) av	2136
L_90~270 (65) av	3275
L_90~270 (75) av	2694
L_90~270 (85) av	0
L_45 (65) av	2918
L_45 (75) av	2545
L_45 (85) av	1357

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.850m [K=1.7094]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: Jason
Test Date: 2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 5.850m [K=1.7094]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.3V I:0.2712A P:59.76W PF:0 Freq:0Hz Lamp Flux:6703.94x1 lm		
NAME: GAME 600-U-56W-840	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: ϕ 600mm*H105mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 600mm	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277
5	2269	2267	2266	2265	2264	2263	2262	2261	2261	2260	2259	2259	2259	2258	2258	2257	2257	2257	2257
10	2238	2236	2234	2233	2232	2232	2232	2231	2230	2230	2230	2231	2232	2233	2234	2235	2236	2236	2237
15	2176	2174	2174	2175	2176	2173	2172	2172	2174	2173	2171	2170	2169	2168	2167	2166	2165	2164	2163
20	2087	2088	2091	2094	2090	2088	2088	2086	2085	2086	2085	2082	2081	2082	2083	2085	2087	2088	2089
25	1979	1982	1991	1986	1983	1983	1984	1987	1980	1976	1974	1974	1975	1975	1976	1976	1975	1974	1974
30	1855	1861	1866	1856	1855	1860	1859	1852	1851	1851	1853	1855	1853	1853	1853	1854	1855	1856	1858
35	1705	1714	1708	1694	1700	1695	1684	1689	1700	1701	1700	1705	1695	1691	1689	1686	1682	1680	1681
40	1492	1522	1505	1497	1496	1473	1482	1494	1489	1487	1469	1463	1464	1473	1488	1496	1496	1497	1502
45	1178	1242	1203	1234	1185	1196	1203	1196	1209	1204	1166	1146	1169	1197	1212	1220	1225	1227	1227
50	868	889	857	877	878	897	864	880	862	849	883	892	901	899	890	898	923	945	951
55	620	611	603	580	661	661	643	576	596	643	642	627	642	655	661	684	709	727	728
60	454	453	458	460	462	473	459	457	449	456	469	481	482	479	474	486	491	500	506
65	328	314	313	331	324	300	335	332	339	335	336	345	345	348	356	369	375	387	384
70	237	249	255	260	252	247	251	255	252	241	252	259	256	259	265	265	264	270	265
75	177	169	174	188	184	188	183	188	181	175	182	179	179	182	188	192	191	199	194
80	110	112	114	116	116	124	115	122	116	114	116	110	112	113	111	121	119	125	127
85	44.9	36.9	38.4	41.2	50.9	52.7	55.0	47.4	38.8	31.4	25.5	18.7	14.4	10.3	6.48	4.05	1.79	0.47	0.00
90	95.0	95.8	96.5	96.9	97.0	97.0	96.8	96.5	96.1	95.7	95.5	95.3	95.2	95.2	0.00	0.00	94.8	94.3	93.7
95	120	121	122	122	123	123	123	123	122	122	122	122	122	122	122	122	122	122	122
100	147	148	149	149	150	150	150	150	149	149	149	150	150	150	149	149	148	148	148
105	175	176	177	178	179	180	180	180	180	180	181	181	181	180	179	177	177	176	176
110	205	206	207	208	209	209	210	210	210	210	211	212	212	211	210	209	208	207	206
115	237	238	239	240	241	241	242	242	243	243	245	246	246	245	244	242	241	240	239
120	271	272	273	274	276	279	280	281	281	281	281	281	281	280	279	278	277	275	274
125	305	306	308	309	312	314	316	314	313	311	313	315	317	316	316	314	313	311	309
130	339	340	341	343	345	348	349	349	347	346	345	345	346	347	348	349	347	345	343
135	370	372	373	374	375	376	376	376	376	376	376	377	377	377	376	376	376	375	375
140	399	400	401	402	403	404	404	405	405	405	405	405	406	405	405	405	404	404	404
145	425	426	427	428	429	429	430	430	430	430	431	431	431	431	431	430	430	430	430
150	448	449	449	450	451	452	452	452	452	452	453	453	453	453	453	453	453	452	452
155	467	468	468	469	470	470	471	471	471	471	471	472	472	472	471	471	471	471	471
160	482	483	484	484	485	485	485	486	486	486	486	486	487	486	486	486	486	486	486
165	494	495	495	496	496	496	497	497	497	497	497	497	497	498	497	497	497	497	497
170	502	503	503	503	504	504	504	504	504	504	505	505	505	505	505	505	505	504	504
175	507	507	507	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508
180	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2019-11-15

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.850m [K=1.7094]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.3V I:0.2712A P:59.76W PF:0 Freq:0Hz Lamp Flux:6703.94x1 lm		
NAME: GAME 600-U-56W-840	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: φ600mm*H105mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:φ600mm	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277
5	2256	2256	2256	2256	2256	2256	2256	2256	2257	2257	2258	2259	2261	2262	2264	2266	2268	2270	2268
10	2236	2236	2235	2234	2232	2231	2229	2227	2225	2223	2222	2220	2222	2224	2228	2232	2237	2243	2238
15	2162	2161	2160	2161	2161	2163	2166	2169	2175	2178	2172	2167	2162	2158	2162	2168	2176	2187	2177
20	2089	2089	2087	2085	2082	2079	2077	2074	2074	2079	2086	2095	2089	2079	2072	2077	2088	2102	2089
25	1973	1973	1972	1973	1974	1978	1985	1990	1982	1974	1966	1973	1985	1986	1972	1964	1978	1997	1979
30	1860	1861	1860	1857	1854	1850	1846	1848	1855	1868	1857	1841	1841	1860	1859	1841	1851	1876	1851
35	1684	1687	1689	1691	1695	1707	1723	1707	1689	1681	1697	1711	1689	1691	1723	1699	1698	1733	1695
40	1509	1516	1515	1506	1493	1480	1477	1491	1514	1501	1473	1490	1528	1488	1503	1508	1479	1539	1484
45	1224	1225	1232	1239	1245	1251	1250	1234	1216	1230	1251	1217	1232	1249	1177	1223	1150	1242	1166
50	942	932	938	948	954	951	947	955	967	951	940	953	907	914	892	889	861	922	848
55	716	706	706	711	711	699	675	670	688	718	727	664	649	624	669	631	636	666	608
60	503	498	498	506	510	506	485	480	497	509	485	496	470	475	457	450	457	481	461
65	377	372	369	363	359	364	354	348	354	348	335	343	354	333	343	352	356	358	338
70	256	259	262	250	241	255	264	257	255	260	266	257	256	250	245	238	236	248	240
75	190	190	186	175	165	179	192	191	196	193	192	197	189	181	176	174	179	190	179
80	124	124	121	118	112	118	122	124	125	123	127	131	120	107	100	91.4	95.6	124	113
85	0.47	1.87	4.07	7.10	10.5	15.6	21.3	28.4	35.1	44.3	53.4	60.8	55.1	45.7	44.0	35.7	29.4	60.3	51.0
90	93.0	92.0	0.00	0.00	88.8	87.8	87.3	86.8	86.4	85.6	84.9	84.2	83.8	83.6	83.5	83.5	83.4	83.1	81.8
95	121	119	118	117	117	116	115	114	114	113	113	112	112	111	111	110	110	110	109
100	147	146	145	145	144	144	143	143	142	141	140	139	139	138	137	137	136	136	135
105	175	175	174	174	174	174	173	172	172	171	170	169	168	167	166	165	164	164	163
110	206	205	205	205	205	206	205	204	203	202	201	199	198	197	196	195	194	193	192
115	238	237	237	237	238	239	238	237	236	234	232	231	229	227	226	225	224	224	223
120	273	272	271	272	273	274	273	271	270	268	266	264	262	260	259	258	257	257	255
125	308	307	307	308	309	309	309	307	305	303	300	298	296	295	293	293	292	291	290
130	342	341	341	342	343	344	341	338	335	334	333	332	330	329	327	327	326	325	324
135	374	373	372	372	371	371	369	368	366	366	365	364	362	361	360	359	358	357	356
140	403	402	401	401	400	400	398	397	396	395	394	393	392	391	390	389	388	387	386
145	429	428	428	427	426	426	425	424	422	422	421	420	419	418	417	416	415	415	414
150	452	451	450	450	449	449	448	447	446	445	444	444	443	442	440	440	439	439	438
155	470	470	469	469	468	468	467	466	465	465	464	463	463	462	461	460	460	459	458
160	485	485	484	484	484	483	483	482	481	481	480	480	479	478	478	477	477	476	476
165	497	496	496	496	495	495	495	494	494	493	493	492	492	491	491	490	490	490	489
170	504	504	504	504	503	503	503	502	502	502	502	501	501	501	500	500	500	500	499
175	508	508	508	508	508	507	507	507	507	507	507	507	506	506	506	506	506	506	505
180	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2019-11-15

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.850m [K=1.7094]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.3V I:0.2712A P:59.76W PF:0 Freq:0Hz Lamp Flux:6703.94x1 lm		
NAME: GAME 600-U-56W-840	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: ϕ 600mm*H105mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 600mm	Shielding Angle:

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277
5	2267	2265	2264	2263	2262	2261	2261	2260	2260	2260	2260	2260	2260	2260	2261	2261	2261	2261	2261
10	2234	2230	2228	2226	2225	2228	2230	2233	2235	2238	2240	2242	2243	2244	2245	2245	2245	2245	2244
15	2170	2165	2163	2167	2174	2180	2188	2185	2180	2177	2176	2174	2174	2174	2175	2175	2176	2177	2177
20	2079	2075	2084	2095	2103	2094	2087	2083	2084	2089	2094	2098	2102	2105	2106	2107	2107	2106	2104
25	1967	1976	1993	1992	1981	1974	1982	1991	2000	1997	1993	1991	1990	1991	1992	1993	1995	1997	1998
30	1842	1862	1865	1848	1850	1868	1879	1866	1858	1858	1864	1870	1876	1879	1881	1882	1884	1884	1884
35	1695	1718	1688	1690	1717	1709	1696	1705	1722	1737	1722	1715	1712	1710	1709	1709	1712	1717	1722
40	1510	1499	1482	1522	1494	1488	1520	1528	1492	1478	1494	1516	1534	1539	1539	1539	1542	1548	1551
45	1255	1187	1240	1215	1206	1267	1234	1207	1206	1224	1251	1259	1257	1254	1257	1261	1266	1270	1272
50	877	871	903	896	915	872	888	921	925	919	929	941	941	953	975	988	992	982	968
55	587	623	639	686	643	614	623	642	663	670	682	693	697	709	731	754	762	753	739
60	450	448	491	469	488	465	466	478	485	490	494	500	501	504	513	532	529	515	506
65	342	346	320	315	336	353	345	338	357	362	354	363	370	374	382	399	399	386	379
70	247	252	251	261	250	263	251	243	258	261	257	268	273	265	269	275	261	254	258
75	173	183	188	184	184	192	179	180	191	180	177	188	194	194	196	203	201	193	190
80	118	123	129	130	127	131	120	113	121	117	118	120	121	129	129	134	135	131	124
85	57.7	62.9	61.7	64.0	64.8	54.5	43.5	33.8	27.8	20.5	15.7	11.1	7.15	4.36	1.94	0.51	0.00	0.50	1.87
90	80.4	79.2	78.8	78.7	78.7	78.4	78.2	78.1	78.5	79.1	79.7	80.1	80.6	81.2	82.2	83.3	84.3	84.5	84.7
95	108	107	107	106	106	106	106	106	106	106	106	106	107	107	108	108	108	109	110
100	134	133	133	133	132	132	132	132	132	132	132	132	133	133	133	133	133	134	135
105	162	161	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	161	162
110	191	190	189	189	189	189	189	189	189	189	190	190	190	190	189	189	189	189	190
115	221	220	219	219	219	219	219	219	219	220	220	220	221	221	220	219	219	219	220
120	254	253	252	251	251	251	251	251	252	253	253	254	254	254	253	252	252	252	253
125	289	287	286	286	285	285	285	285	286	287	288	289	289	290	288	287	286	287	288
130	323	321	320	320	319	319	319	319	319	320	321	322	323	324	323	321	320	320	321
135	355	354	353	352	352	351	351	351	350	350	350	351	352	353	353	352	352	353	354
140	385	384	383	382	382	382	381	381	381	380	380	381	381	381	382	382	382	383	384
145	413	412	411	410	410	409	409	409	409	408	408	408	409	409	409	409	410	410	411
150	437	436	435	435	434	434	434	434	433	433	433	433	433	434	434	434	434	435	435
155	458	457	456	456	455	455	455	455	454	454	454	454	454	455	455	455	455	456	456
160	475	474	474	474	473	473	473	473	472	472	472	472	472	472	473	473	473	473	474
165	489	488	488	488	487	487	487	487	487	486	486	486	487	487	487	487	487	487	488
170	499	498	498	498	498	498	498	498	497	497	497	497	497	498	498	498	498	498	498
175	505	505	505	505	505	505	505	505	505	505	504	505	505	505	505	505	505	505	505
180	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.850m [K=1.7094]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.3V I:0.2712A P:59.76W PF:0 Freq:0Hz Lamp Flux:6703.94x1 lm																	
NAME: GAME 600-U-56W-840									TYPE:Ceiling light						WEIGHT:		
SPEC.:3000K									DIM.: φ600mm*H105mm						SERIAL No.:		
MFR.: NEKO LIGHTING AG									SUR.:φ600mm						Shielding Angle:		

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277	2277				
5	2262	2262	2262	2262	2262	2262	2263	2263	2263	2264	2264	2265	2266	2267	2268				
10	2242	2241	2240	2239	2237	2236	2236	2235	2236	2236	2236	2235	2235	2235	2236				
15	2178	2178	2179	2180	2181	2182	2183	2184	2181	2180	2180	2181	2179	2176	2175				
20	2102	2100	2099	2098	2099	2101	2101	2100	2099	2098	2096	2096	2099	2094	2089				
25	1998	1998	1997	1997	1998	1998	1997	1998	2002	1996	1992	1991	1992	1994	1984				
30	1882	1879	1879	1880	1883	1881	1875	1870	1869	1873	1873	1867	1866	1873	1865				
35	1725	1727	1728	1733	1739	1732	1729	1726	1715	1710	1720	1724	1717	1724	1723				
40	1549	1542	1534	1531	1532	1529	1530	1526	1529	1522	1518	1536	1524	1516	1529				
45	1278	1284	1283	1277	1271	1271	1282	1271	1252	1269	1262	1231	1250	1184	1233				
50	973	983	994	1000	997	981	968	985	996	953	948	919	911	887	907				
55	736	737	735	712	682	694	724	731	712	709	635	658	639	665	651				
60	510	519	526	530	515	494	507	525	518	484	492	471	477	460	448				
65	378	374	366	369	358	355	367	366	335	354	350	347	341	344	347				
70	262	257	249	264	276	269	255	262	273	261	254	255	259	249	240				
75	190	184	172	183	198	193	194	193	199	195	185	180	185	182	180				
80	122	120	116	120	124	125	125	124	128	127	121	115	120	116	114				
85	4.10	7.19	10.8	15.7	21.1	27.9	33.4	42.8	49.6	55.3	53.9	52.1	50.7	49.4	53.6				
90	84.8	85.4	86.0	86.7	87.3	87.9	88.5	89.3	90.1	90.9	91.7	92.5	93.3	93.9	94.5				
95	110	111	111	112	112	113	114	115	115	116	117	118	119	119	120				
100	136	137	137	138	139	141	142	143	143	144	145	145	146	146	146				
105	163	164	166	167	168	170	171	172	173	174	175	175	175	175	175				
110	191	193	195	197	198	200	201	203	204	205	206	206	207	206	206				
115	222	223	225	227	229	231	232	234	236	237	238	238	238	238	238				
120	255	257	259	261	263	264	266	268	269	271	272	272	272	272	272				
125	289	291	293	296	298	299	301	302	302	303	305	306	307	307	307				
130	323	325	327	330	330	331	331	331	331	332	335	338	341	341	341				
135	355	356	357	357	359	360	361	362	363	364	365	367	368	369	370				
140	385	385	386	387	388	389	390	391	392	393	394	396	397	398	399				
145	412	412	413	414	415	416	417	418	418	419	420	422	423	424	425				
150	436	437	437	438	438	439	440	441	442	443	444	445	446	447	447				
155	457	457	458	458	459	460	461	461	462	462	463	464	465	466	466				
160	474	474	475	475	476	476	477	478	478	479	479	480	481	481	482				
165	488	488	489	489	489	490	490	491	491	491	492	493	493	494	494				
170	498	499	499	499	499	500	500	500	500	501	501	501	502	502	502				
175	505	505	505	505	505	506	506	506	506	506	506	507	507	507	507				
180	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2019-11-15

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.850m [K=1.7094]
Remarks: