

GAME 600-U-54W-840



Light Output Ratio:	100.0%	
Luminaire Power:	70.03 W	
SHR Nominal:	1.25	Calculated using the TM5
SHR Maximum:	1.35	fine grid method.

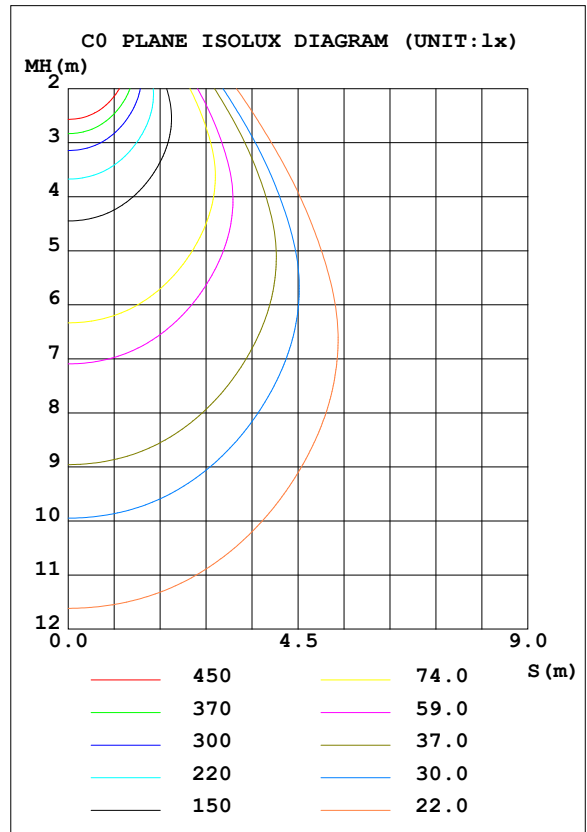
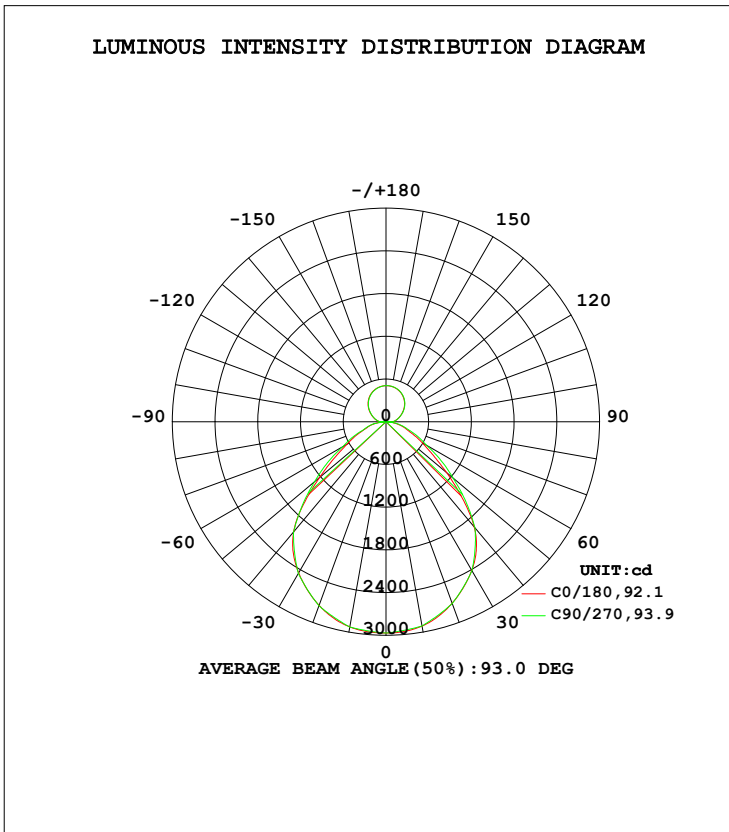
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: Jason
Test Date: 2019-11-15

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:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.6V I:0.3175A P:70.03W PF:0 Freq:0Hz Lamp Flux:8206.01x1 lm		
NAME: GAME 600-U-54W-840	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: φ600mm*H105mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:φ600mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 117.18 lm/W			
MODEL	OSRAM-4000K	I _{max} (cd)	2968	S/MH (C0/180)	1.23
NOMINAL POWER (W)	70	LOR (%)	100.0	S/MH (C90/270)	1.23
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	8206.0	η UP, DN (C0-180)	10.9, 38.9
NOMINAL FLUX (lm)	8206.01	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	10.4, 39.9
LAMPS INSIDE	1	η up (%)	21.3	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220.0	η down (%)	78.7	CIBSE SHR MAX	1.35



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ZONAL FLUX DIAGRAM

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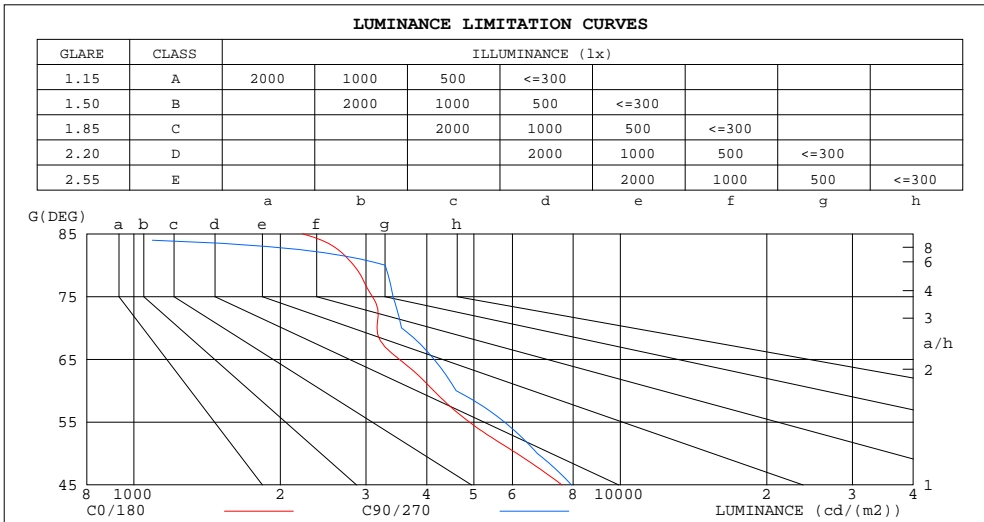
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	2914	2903	2913	2900	2926	2914	2928	2914	0- 10	280.2	280.2	3.42,3.42
20	2714	2712	2718	2704	2746	2723	2751	2739	10- 20	798.6	1079	13.1,13.1
30	2410	2403	2415	2418	2452	2442	2462	2443	20- 30	1192	2270	27.7,27.7
40	1928	1919	1945	1974	2018	2008	2020	1992	30- 40	1385	3656	44.5,44.5
50	1113	1082	1226	1262	1218	1226	1306	1260	40- 50	1228	4884	59.5,59.5
60	584.0	583.8	649.4	647.9	634.9	633.1	698.0	660.1	50- 60	794.7	5678	69.2,69.2
70	305.5	309.6	343.2	333.0	328.0	321.3	341.5	332.3	60- 70	461.7	6140	74.8,74.8
80	138.9	144.2	161.2	163.6	165.4	151.6	180.4	162.5	70- 80	256.3	6396	77.9,77.9
90	94.97	95.73	93.75	86.41	83.10	78.13	84.25	88.55	80- 90	62.75	6459	78.7,78.7
100	146.8	148.9	148.0	141.9	135.8	131.7	133.1	141.9	90-100	124.8	6584	80.2,80.2
110	205.1	209.6	206.3	203.0	192.9	188.9	188.6	201.1	100-110	179.7	6764	82.4,82.4
120	270.7	280.7	274.0	269.6	256.6	251.5	251.7	266.1	110-120	229.7	6993	85.2,85.2
130	338.8	345.5	343.2	335.4	325.2	318.6	320.0	330.7	120-130	268.5	7262	88.5,88.5
140	399.1	404.7	404.0	395.9	387.4	381.2	382.1	390.2	130-140	280.9	7543	91.9,91.9
150	447.7	452.4	452.2	445.7	438.6	433.5	433.9	440.4	140-150	262.7	7805	95.1,95.1
160	482.3	485.9	485.8	481.3	476.3	472.6	472.8	477.2	150-160	213.5	8019	97.7,97.7
170	502.5	504.4	504.4	502.1	499.5	497.6	497.7	499.9	160-170	139.0	8158	99.4,99.4
180	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	170-180	48.17	8206	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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LUMINANCE LIMITATION CURVES

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SPEC.:3000K	DIM.: φ600mm*H105mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:φ600mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2222	0
80	2831	3285
75	3093	3410
70	3161	3551
65	3513	4139
60	4133	4596
55	4895	5780
50	6128	6750
45	7585	7938

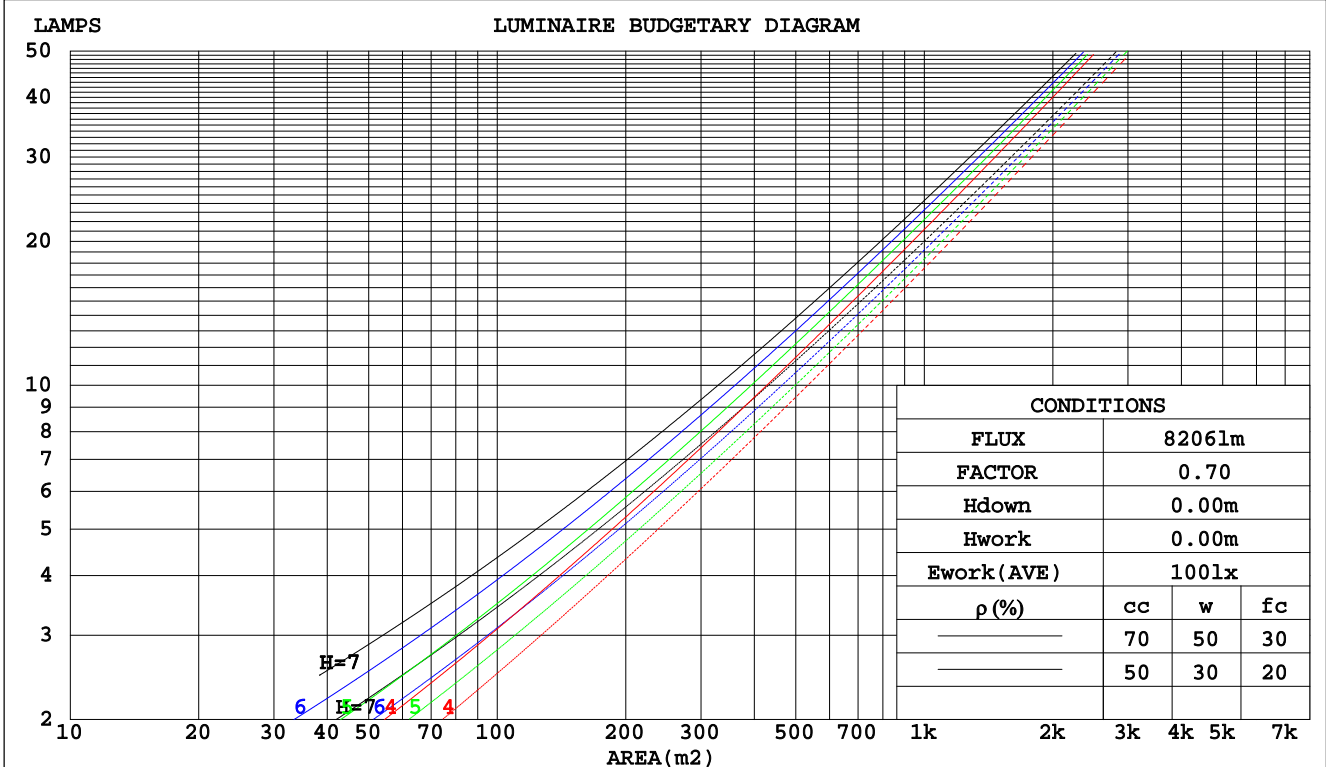
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	1.14	1.14	1.14	1.09	1.09	1.09	.99	.99	.99	.91	.91	.91	.82	.82	.82	.79
1.0	1.01	.98	.94	.97	.94	.91	.89	.86	.84	.81	.80	.78	.75	.73	.72	.68
2.0	.90	.84	.79	.86	.81	.76	.79	.75	.71	.73	.70	.67	.67	.64	.62	.59
3.0	.80	.73	.67	.77	.70	.65	.71	.66	.61	.65	.61	.58	.60	.57	.54	.51
4.0	.71	.64	.58	.69	.62	.56	.64	.58	.53	.59	.54	.50	.55	.51	.48	.45
5.0	.64	.56	.50	.62	.55	.49	.58	.52	.47	.54	.48	.44	.50	.45	.42	.40
6.0	.58	.50	.44	.56	.49	.43	.52	.46	.41	.49	.44	.39	.45	.41	.38	.35
7.0	.53	.45	.40	.51	.44	.39	.48	.42	.37	.45	.39	.35	.42	.37	.34	.32
8.0	.49	.41	.35	.47	.40	.35	.44	.38	.33	.41	.36	.32	.39	.34	.30	.28
9.0	.45	.37	.32	.43	.36	.31	.41	.34	.30	.38	.33	.29	.36	.31	.28	.26
10.0	.41	.34	.29	.40	.33	.29	.38	.32	.27	.35	.30	.26	.33	.29	.25	.24



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WEC AND CCEC

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NAME: GAME 600-U-54W-840	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: φ600mm*H105mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:φ600mm	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.263	.150	.047	.250	.142	.045	.225	.129	.041	.202	.116	.037	.180	.104	.034	
2.0	.250	.137	.042	.238	.131	.040	.215	.120	.037	.194	.109	.034	.175	.099	.031	
3.0	.234	.124	.037	.223	.119	.036	.203	.110	.033	.184	.101	.031	.166	.092	.028	
4.0	.218	.113	.033	.208	.109	.032	.190	.101	.030	.173	.093	.028	.157	.085	.026	
5.0	.204	.104	.030	.195	.100	.029	.178	.093	.027	.163	.086	.026	.148	.079	.024	
6.0	.191	.096	.027	.183	.092	.027	.167	.086	.025	.153	.080	.023	.140	.073	.022	
7.0	.179	.089	.025	.172	.086	.024	.158	.080	.023	.144	.074	.022	.132	.068	.020	
8.0	.168	.082	.023	.162	.080	.022	.149	.074	.021	.136	.069	.020	.125	.064	.019	
9.0	.159	.077	.021	.153	.074	.021	.140	.069	.020	.129	.065	.019	.118	.060	.017	
10.0	.150	.072	.020	.144	.070	.019	.133	.065	.018	.123	.061	.017	.113	.057	.016	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.353	.353	.353	.301	.301	.301	.206	.206	.206	.118	.118	.118	.038	.038	.038	
1.0	.341	.320	.302	.291	.275	.260	.199	.189	.180	.115	.109	.104	.037	.035	.034	
2.0	.331	.297	.268	.284	.255	.231	.194	.177	.161	.112	.103	.095	.036	.033	.031	
3.0	.323	.280	.245	.277	.241	.212	.190	.168	.149	.110	.098	.088	.035	.032	.029	
4.0	.315	.267	.229	.271	.230	.199	.186	.161	.140	.108	.094	.083	.035	.031	.027	
5.0	.308	.256	.218	.265	.222	.190	.182	.155	.134	.106	.091	.079	.034	.030	.026	
6.0	.302	.248	.210	.259	.215	.183	.179	.150	.129	.104	.089	.077	.034	.029	.025	
7.0	.296	.242	.204	.254	.209	.177	.176	.147	.126	.102	.086	.075	.033	.028	.025	
8.0	.290	.236	.199	.250	.205	.173	.173	.144	.123	.100	.085	.073	.033	.028	.024	
9.0	.284	.231	.195	.245	.201	.170	.170	.141	.121	.099	.083	.072	.032	.027	.024	
10.0	.279	.227	.192	.241	.197	.168	.167	.139	.119	.097	.082	.071	.032	.027	.024	

C Range: 0 - 360DEG
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 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:220.6V I:0.3175A P:70.03W PF:0 Freq:0Hz Lamp Flux:8206.01x1 lm										
NAME: GAME 600-U-54W-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	9.2	10.3	9.7	10.9	11.4	9.5	10.7	10.1	11.2	11.8
3H	9.9	10.9	10.4	11.4	12.1	10.3	11.3	10.9	11.9	12.5
4H	10.2	11.1	10.8	11.7	12.4	10.7	11.6	11.2	12.2	12.8
6H	10.4	11.3	11.0	11.9	12.6	10.9	11.8	11.5	12.4	13.1
8H	10.5	11.3	11.1	11.9	12.6	11.0	11.8	11.6	12.4	13.1
12H	10.5	11.3	11.1	11.9	12.6	10.9	11.7	11.5	12.4	13.1
4H 2H	9.4	10.3	10.0	10.9	11.6	9.7	10.6	10.3	11.2	11.9
3H	10.2	11.1	10.9	11.7	12.4	10.6	11.4	11.2	12.1	12.8
4H	10.7	11.4	11.4	12.1	12.8	11.1	11.8	11.7	12.5	13.2
6H	11.1	11.7	11.8	12.4	13.2	11.5	12.1	12.2	12.8	13.6
8H	11.2	11.8	11.9	12.5	13.3	11.5	12.1	12.2	12.8	13.6
12H	11.2	11.8	11.9	12.5	13.3	11.5	12.0	12.2	12.7	13.6
8H 4H	10.8	11.4	11.5	12.1	12.9	11.2	11.7	11.8	12.4	13.2
6H	11.4	11.9	12.1	12.6	13.4	11.7	12.2	12.4	12.9	13.7
8H	11.5	12.0	12.3	12.7	13.6	11.8	12.2	12.5	12.9	13.8
12H	11.6	12.0	12.4	12.7	13.6	11.7	12.1	12.5	12.9	13.8
12H 4H	10.8	11.3	11.5	12.0	12.9	11.1	11.7	11.8	12.4	13.2
6H	11.4	11.8	12.1	12.5	13.4	11.7	12.1	12.4	12.8	13.7
8H	11.6	12.0	12.4	12.7	13.6	11.8	12.2	12.6	12.9	13.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.6					+ 0.3 / - 0.4				
1.5H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				
2.0H	+ 1.2 / - 0.7					+ 1.1 / - 0.8				

CIE Pub.117, 8206 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 7.3)

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 Humidity:65.0%
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 Remarks:

UTILIZATION FACTORS TABLE

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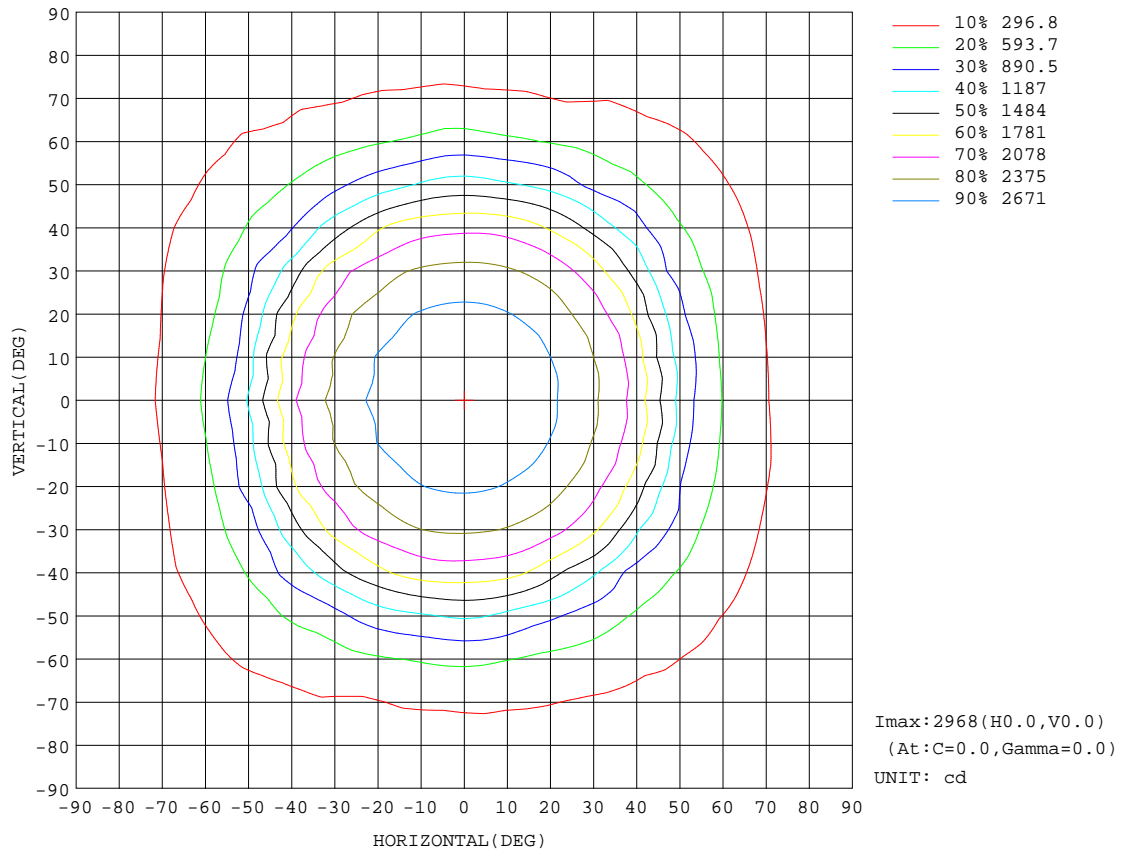
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	40	56	46	40	53	44	39	33
0.80	67	56	50	65	55	49	62	53	48	40
1.00	75	64	58	72	63	57	68	62	55	47
1.25	81	72	65	79	70	64	74	67	61	52
1.50	86	77	70	83	75	69	77	71	66	56
2.00	92	84	78	89	82	76	82	77	72	61
2.50	96	88	83	92	85	80	85	80	76	63
3.00	99	92	87	95	89	84	87	83	79	66
4.00	102	97	92	98	93	89	90	87	84	69
5.00	104	100	96	100	96	93	92	89	86	71
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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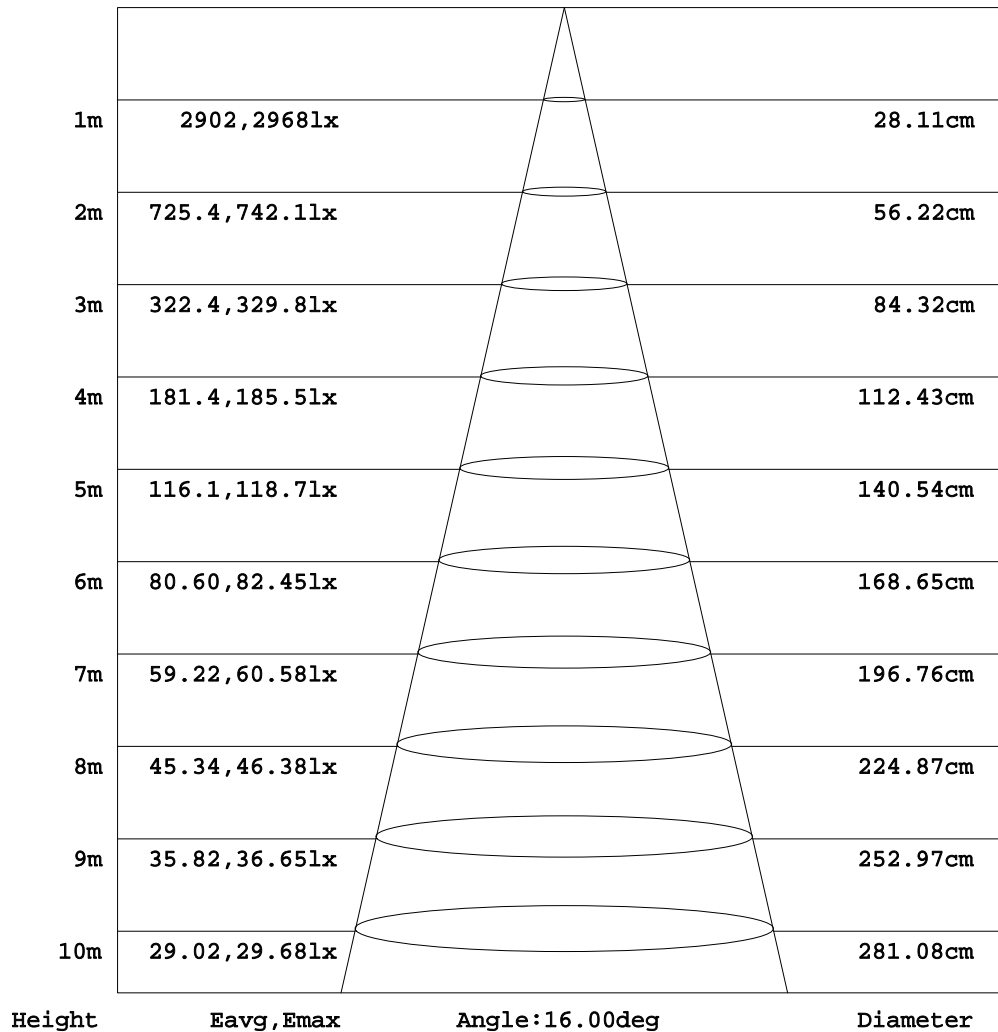
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AAI Figure

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Flux out:180.1 lm



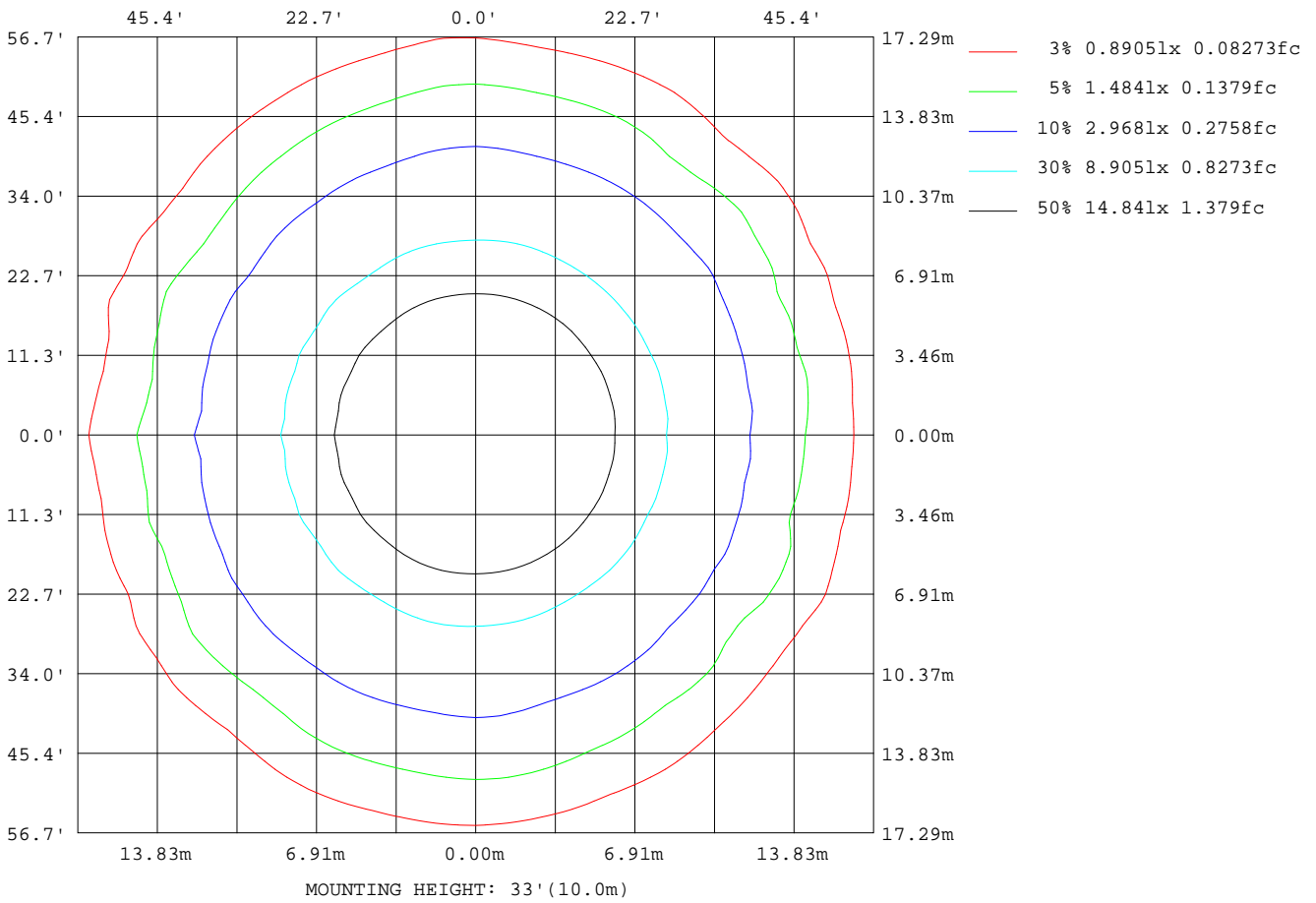
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

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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:220.6V I:0.3175A P:70.03W PF:0 Freq:0Hz Lamp Flux:8206.01x1 lm		
NAME: GAME 600-U-54W-840	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: φ600mm*H105mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:φ600mm	Shielding Angle:

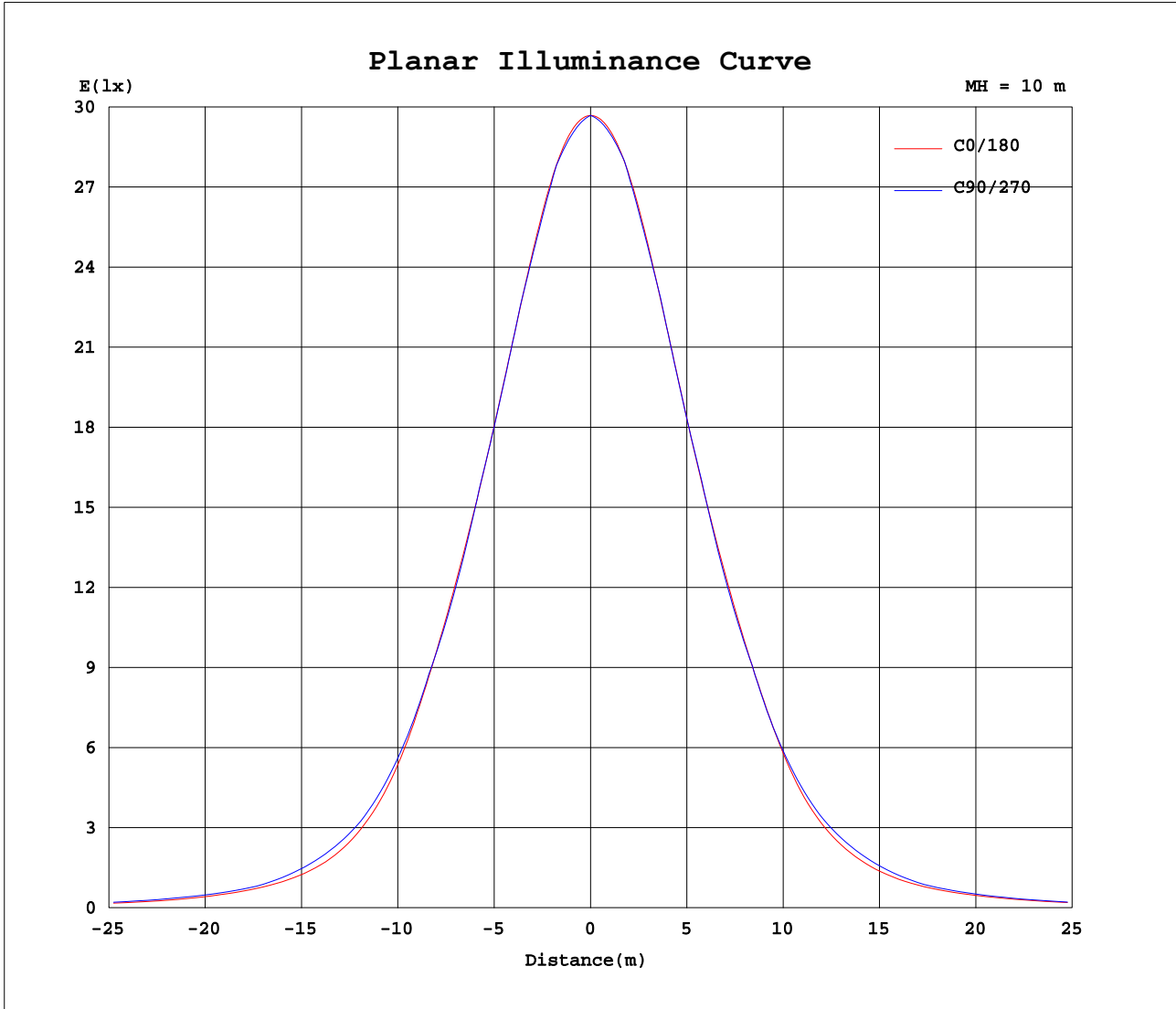
AvgL	cd/m2
L_0~180 (65) av	3737
L_0~180 (75) av	3260
L_0~180 (85) av	2778
L_90~270 (65) av	4265
L_90~270 (75) av	3506
L_90~270 (85) av	0
L_45 (65) av	3803
L_45 (75) av	3319
L_45 (85) av	1765

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:220.6V I:0.3175A P:70.03W PF:0 Freq:0Hz Lamp Flux:8206.01x1 lm		
NAME: GAME 600-U-54W-840	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: φ600mm*H105mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:φ600mm	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	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968
5	2956	2954	2952	2951	2949	2948	2947	2946	2945	2944	2944	2943	2942	2942	2942	2941	2941	2940	2940
10	2914	2911	2908	2907	2906	2906	2906	2904	2903	2903	2903	2904	2906	2907	2909	2910	2912	2912	2913
15	2831	2829	2828	2830	2831	2827	2825	2826	2828	2826	2824	2822	2821	2820	2819	2818	2817	2816	2816
20	2714	2715	2719	2723	2717	2715	2714	2712	2711	2712	2710	2707	2706	2707	2709	2711	2714	2717	2718
25	2572	2577	2587	2581	2576	2576	2577	2581	2572	2567	2565	2565	2566	2567	2568	2568	2567	2567	2567
30	2410	2417	2423	2409	2406	2413	2412	2403	2402	2403	2405	2407	2405	2405	2407	2408	2410	2412	2415
35	2210	2223	2214	2194	2202	2196	2182	2187	2202	2202	2202	2208	2196	2192	2190	2187	2182	2180	2182
40	1928	1967	1943	1934	1932	1901	1913	1927	1920	1919	1895	1887	1888	1901	1921	1935	1937	1938	1945
45	1516	1597	1543	1585	1523	1535	1543	1532	1550	1547	1499	1470	1498	1537	1559	1573	1581	1585	1586
50	1113	1139	1096	1123	1125	1150	1105	1122	1099	1082	1130	1142	1152	1151	1140	1150	1185	1216	1226
55	793	783	772	744	846	847	825	738	757	820	820	799	820	837	845	875	909	934	937
60	584	581	590	591	589	602	583	586	574	584	600	614	617	612	607	623	630	640	649
65	420	401	402	424	416	384	428	425	434	428	428	440	443	446	456	474	483	496	494
70	305	321	328	333	323	314	323	325	324	310	321	332	329	331	339	341	340	348	343
75	226	217	223	241	236	241	235	239	233	224	232	228	228	232	240	246	245	255	249
80	139	143	144	146	146	158	147	154	148	144	146	139	141	143	141	153	151	158	161
85	54.7	45.4	46.5	49.6	61.6	63.5	65.9	57.8	47.9	39.0	31.8	23.4	18.0	13.0	8.20	5.13	2.27	0.60	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	180	179	177	177	176	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	498	497	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:220.6V I:0.3175A P:70.03W PF:0 Freq:0Hz Lamp Flux:8206.01x1 lm		
NAME: GAME 600-U-54W-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	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968
5	2940	2940	2940	2939	2939	2940	2940	2941	2941	2942	2944	2945	2947	2949	2951	2954	2957	2960	2958
10	2913	2912	2911	2910	2908	2906	2904	2902	2900	2898	2896	2895	2897	2901	2906	2911	2918	2926	2920
15	2814	2814	2814	2814	2816	2818	2822	2827	2834	2840	2833	2826	2820	2816	2820	2829	2841	2854	2843
20	2719	2718	2717	2715	2712	2709	2706	2703	2704	2710	2720	2733	2725	2713	2704	2711	2726	2746	2729
25	2567	2567	2567	2568	2571	2577	2586	2593	2584	2574	2564	2574	2590	2593	2575	2566	2584	2609	2587
30	2418	2420	2420	2417	2414	2410	2405	2408	2418	2436	2422	2403	2404	2429	2429	2406	2420	2452	2421
35	2187	2192	2195	2198	2206	2222	2244	2225	2203	2193	2214	2233	2205	2209	2251	2222	2221	2268	2220
40	1957	1966	1966	1955	1939	1925	1923	1943	1974	1959	1924	1946	1996	1949	1968	1976	1941	2018	1949
45	1584	1586	1596	1608	1616	1624	1626	1608	1587	1607	1636	1594	1614	1639	1549	1611	1518	1638	1540
50	1214	1203	1211	1228	1238	1237	1233	1245	1262	1243	1230	1249	1193	1202	1173	1172	1136	1218	1124
55	925	912	912	921	924	910	880	875	897	939	952	874	852	819	880	832	839	882	805
60	650	645	644	657	663	658	633	625	648	665	637	652	616	623	602	594	604	635	611
65	488	482	478	471	466	473	462	454	462	456	439	450	466	439	451	462	468	473	448
70	332	336	340	325	313	331	343	335	333	339	347	338	336	329	323	314	312	328	316
75	244	246	242	226	214	232	250	249	256	253	252	259	249	239	232	229	236	251	238
80	157	160	156	153	145	153	158	161	164	162	166	173	159	141	133	122	127	165	151
85	0.59	2.41	5.25	9.18	13.6	20.3	27.7	37.0	45.9	58.3	70.8	81.2	74.1	61.7	59.4	48.4	40.2	82.1	70.1
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:220.6V I:0.3175A P:70.03W PF:0 Freq:0Hz Lamp Flux:8206.01x1 lm		
NAME: GAME 600-U-54W-840	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: φ600mm*H105mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:φ600mm	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	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968
5	2956	2954	2952	2951	2950	2949	2948	2948	2947	2947	2947	2947	2947	2947	2948	2948	2948	2948	2948
10	2915	2910	2907	2905	2904	2907	2910	2914	2917	2920	2922	2924	2926	2927	2928	2928	2928	2927	2926
15	2833	2827	2824	2831	2839	2848	2857	2853	2848	2844	2841	2839	2839	2838	2839	2839	2840	2840	2841
20	2716	2712	2723	2738	2748	2736	2728	2723	2724	2730	2736	2741	2746	2749	2751	2752	2751	2749	2746
25	2571	2584	2605	2605	2591	2582	2593	2604	2615	2612	2606	2603	2602	2602	2603	2604	2606	2608	2609
30	2410	2436	2440	2419	2422	2445	2459	2442	2433	2431	2439	2447	2454	2458	2460	2461	2462	2462	2460
35	2220	2251	2212	2215	2251	2240	2224	2235	2256	2275	2257	2247	2243	2240	2237	2237	2240	2246	2252
40	1982	1970	1949	1999	1964	1957	1998	2008	1964	1947	1967	1995	2013	2018	2017	2017	2020	2027	2030
45	1656	1570	1640	1606	1597	1677	1630	1594	1596	1622	1656	1663	1656	1651	1653	1656	1662	1667	1669
50	1165	1156	1198	1189	1214	1161	1183	1226	1228	1220	1233	1248	1248	1262	1288	1301	1306	1293	1274
55	778	827	846	908	852	818	831	854	881	891	906	920	925	939	967	995	1004	991	971
60	593	592	651	626	650	618	619	633	644	649	654	663	663	663	677	705	698	675	663
65	453	460	425	421	446	469	457	448	474	476	467	479	489	491	503	526	524	506	496
70	325	333	331	344	330	347	329	321	342	343	338	352	357	348	353	359	342	333	338
75	230	243	249	243	246	256	236	239	252	236	234	249	256	256	260	268	263	254	250
80	159	164	173	174	173	175	160	152	163	156	158	162	163	173	175	179	180	175	163
85	79.4	86.6	85.0	88.4	89.4	74.8	59.2	45.6	37.5	27.7	21.2	15.1	9.68	5.88	2.64	0.68	0.00	0.66	2.46
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:220.6V I:0.3175A P:70.03W PF:0 Freq:0Hz Lamp Flux:8206.01x1 lm		
NAME: GAME 600-U-54W-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	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968	2968				
5	2949	2949	2949	2949	2949	2949	2949	2950	2950	2950	2951	2952	2952	2954	2955				
10	2924	2923	2921	2919	2917	2915	2914	2913	2913	2914	2913	2912	2911	2911	2912				
15	2841	2842	2842	2842	2843	2844	2845	2845	2842	2839	2839	2841	2837	2833	2831				
20	2743	2740	2737	2736	2737	2739	2739	2736	2733	2733	2729	2729	2732	2725	2718				
25	2608	2607	2606	2605	2605	2604	2602	2603	2608	2599	2593	2590	2591	2594	2580				
30	2456	2453	2451	2452	2456	2451	2443	2435	2433	2438	2437	2428	2427	2435	2423				
35	2255	2255	2256	2261	2267	2257	2252	2247	2231	2225	2237	2241	2231	2239	2236				
40	2027	2016	2004	1999	1999	1993	1992	1985	1989	1977	1971	1993	1975	1962	1978				
45	1675	1681	1678	1669	1659	1657	1669	1653	1627	1648	1634	1591	1613	1528	1588				
50	1278	1288	1301	1307	1302	1279	1260	1280	1294	1233	1225	1184	1174	1144	1168				
55	967	967	962	931	889	904	943	950	923	916	820	849	822	856	835				
60	669	680	688	693	672	645	660	681	670	628	637	609	614	592	578				
65	496	491	479	482	467	463	478	475	435	458	452	448	439	443	446				
70	343	337	327	346	361	351	332	341	353	338	329	330	333	319	308				
75	249	241	227	240	258	252	252	251	258	252	239	230	239	235	231				
80	160	159	152	157	162	163	162	161	166	163	155	147	154	149	145				
85	5.41	9.48	14.2	20.6	27.6	36.4	43.4	55.2	63.7	70.4	68.1	65.5	63.2	61.5	66.4				
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: