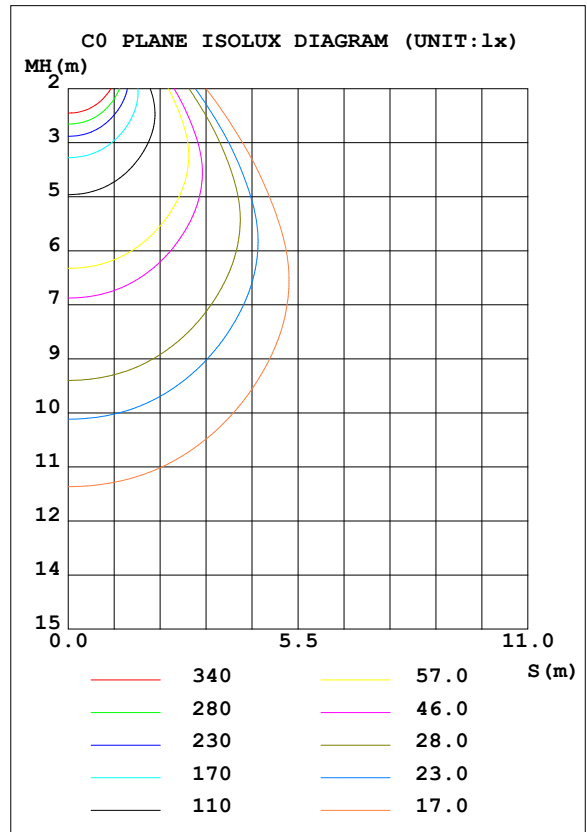
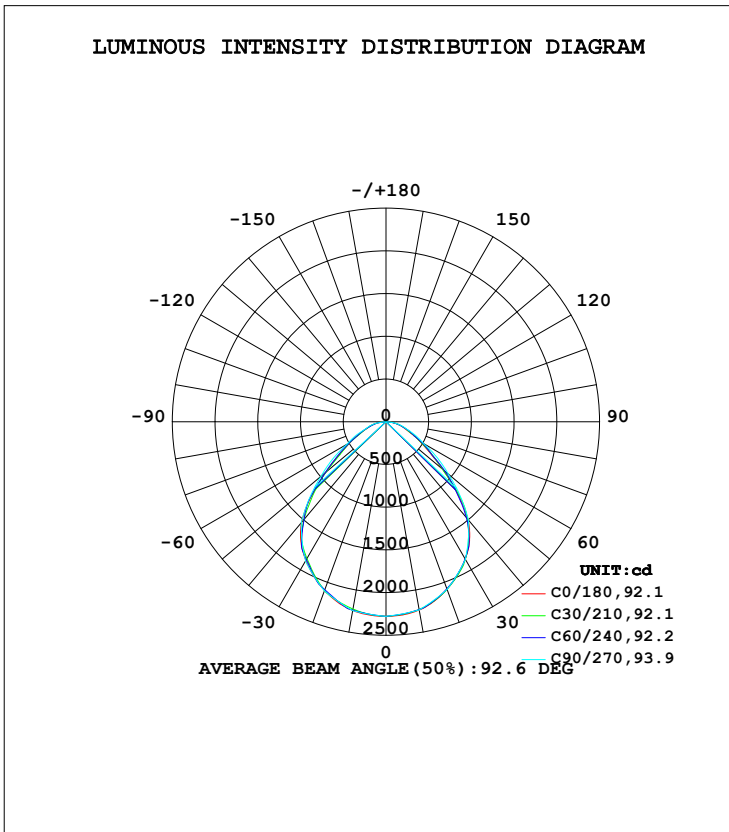


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:220.9V I:0.1863A P:40.52W PF:0.9852 Freq:49.90Hz Lamp Flux:4954.79x1 lm		
NAME: GAME-600-36W-840	TYPE:Ceiling light	SERIAL No.:
SPEC.:4000K	DIM.: φ600mm*H78mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 122.28 lm/W			
MODEL	OSRAM-4000K	I <sub>max</sub> (cd)	2277	S/MH (C0/180)	1.23
NOMINAL POWER (W)	38	LOR (%)	100.0	S/MH (C90/270)	1.23
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	4954.8	η UP, DN (C0-180)	0.0,49.6
NOMINAL FLUX (lm)	4954.79	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0,50.4
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	1.35



H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Myles  
 Test Date:2019-01-05

V(B) Range:-80 - 80DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:56%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

**ZONAL FLUX DIAGRAM**

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	2238	2230	2237	2225	2243	2233	2245	2236	0- 10	215.0	215.0	4.34,4.34
20	2087	2086	2089	2074	2102	2083	2107	2101	10- 20	612.7	827.8	16.7,16.7
30	1855	1851	1858	1855	1876	1866	1884	1875	20- 30	914.2	1742	35.2,35.2
40	1492	1487	1502	1514	1539	1528	1542	1530	30- 40	1063	2805	56.6,56.6
50	868.1	848.7	951.4	967.3	922.4	921.5	992.5	968.3	40- 50	942.5	3747	75.6,75.6
60	454.3	456.3	506.1	497.0	481.0	478.1	529.3	506.6	50- 60	609.8	4357	87.9,87.9
70	237.1	241.1	265.0	254.9	247.7	242.7	261.4	255.3	60- 70	354.4	4712	95.1,95.1
80	109.8	114.2	126.5	125.0	123.8	113.2	135.3	124.9	70- 80	196.8	4908	99.1,99.1
90	0	0	0	0	1.079	0	0	0	80- 90	46.37	4955	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		

Conical surface Flux(90deg): 3313.4 lm

%lum = 66.9%

%lamp = 66.9%

Conical surface Flux(120deg): 4357.2 lm

%lum = 87.9%

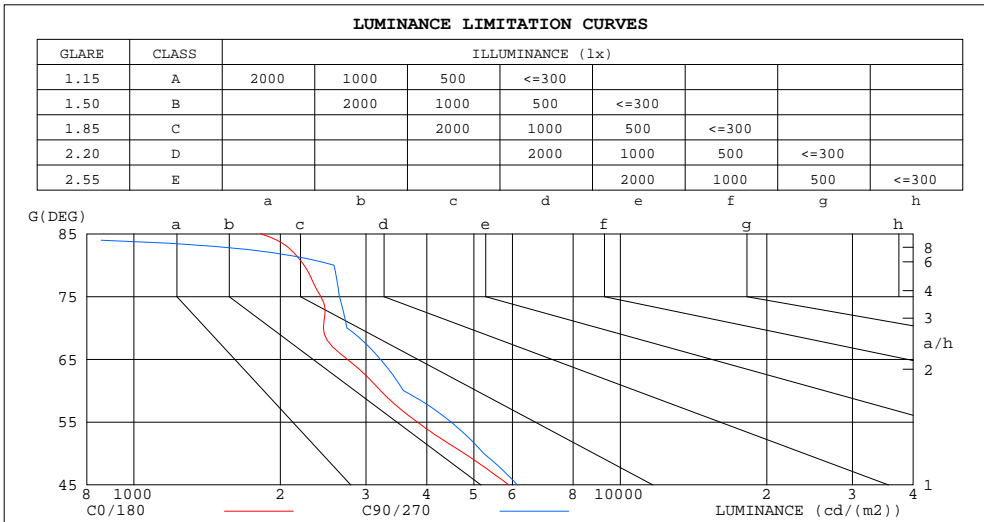
%lamp = 87.9%

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Myles  
Test Date:2019-01-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:56%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:220.9V I:0.1863A P:40.52W PF:0.9852 Freq:49.90Hz Lamp Flux:4954.79x1 lm		
NAME: GAME-600-36W-840	TYPE:Ceiling light	SERIAL No.:
SPEC.:4000K	DIM.: φ600mm*H78mm	
MFR.: NEKO LIGHTING AG		



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

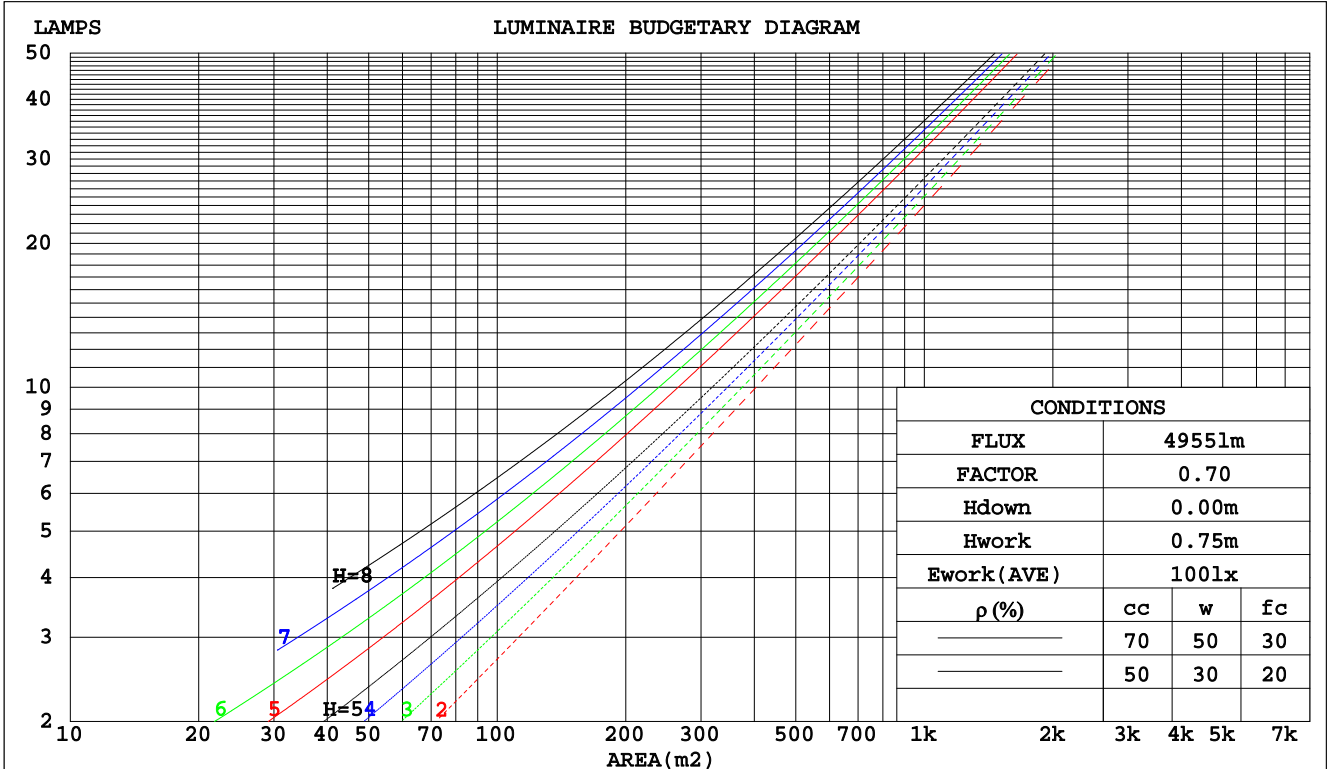
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Myles  
Test Date:2019-01-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:56%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:220.9V I:0.1863A P:40.52W PF:0.9852 Freq:49.90Hz Lamp Flux:4954.79x1 lm		
NAME: GAME-600-36W-840	TYPE:Ceiling light	SERIAL No.:
SPEC.:4000K	DIM.: φ600mm*H78mm	
MFR.: NEKO LIGHTING AG		

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	1.19	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	1.06	1.03	.99	1.04	1.01	.98	.90	.97	.95	.96	.94	.92	.92	.91	.89	.87
2.0	.94	.89	.84	.93	.87	.83	.89	.85	.81	.86	.82	.79	.83	.80	.77	.75
3.0	.84	.77	.71	.83	.76	.71	.80	.74	.70	.77	.72	.68	.75	.71	.67	.65
4.0	.76	.68	.62	.75	.67	.61	.72	.66	.61	.70	.64	.60	.68	.63	.59	.57
5.0	.68	.60	.54	.67	.60	.54	.65	.59	.53	.63	.58	.53	.62	.57	.52	.50
6.0	.62	.54	.48	.61	.54	.48	.60	.53	.47	.58	.52	.47	.56	.51	.47	.45
7.0	.57	.49	.43	.56	.48	.43	.55	.48	.43	.53	.47	.42	.52	.46	.42	.40
8.0	.52	.44	.39	.51	.44	.39	.50	.43	.38	.49	.43	.38	.48	.42	.38	.36
9.0	.48	.40	.35	.47	.40	.35	.46	.40	.35	.45	.39	.35	.44	.39	.35	.33
10.0	.45	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.32	.41	.36	.32	.30



H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Myles  
Test Date:2019-01-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:56%  
Test Distance:5.850m [K=1.0000]  
Remarks:

WEC AND CCEC

Test:U:220.9V I:0.1863A P:40.52W PF:0.9852 Freq:49.90Hz Lamp Flux:4954.79x1 lm		
NAME: GAME-600-36W-840	TYPE:Ceiling light	SERIAL No.:
SPEC.:4000K	DIM.: φ600mm*H78mm	
MFR.: NEKO LIGHTING AG		

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	.264	.150	.048	.257	.147	.047	.244	.140	.045	.232	.134	.043	.221	.128	.041	
2.0	.253	.139	.043	.247	.136	.042	.236	.131	.041	.225	.126	.040	.215	.122	.038	
3.0	.238	.127	.038	.232	.124	.037	.223	.121	.037	.213	.117	.036	.205	.113	.035	
4.0	.222	.116	.034	.218	.114	.034	.209	.111	.033	.201	.108	.033	.193	.105	.032	
5.0	.208	.106	.031	.204	.105	.031	.196	.102	.030	.189	.100	.030	.182	.097	.029	
6.0	.195	.098	.028	.191	.097	.028	.185	.095	.028	.178	.093	.027	.172	.091	.027	
7.0	.183	.091	.026	.180	.090	.026	.174	.088	.025	.168	.086	.025	.163	.084	.025	
8.0	.172	.084	.024	.170	.083	.024	.164	.082	.023	.159	.080	.023	.154	.079	.023	
9.0	.163	.079	.022	.160	.078	.022	.155	.077	.022	.150	.075	.022	.146	.074	.021	
10.0	.154	.074	.020	.152	.073	.020	.147	.072	.020	.143	.071	.020	.139	.070	.020	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.177	.157	.138	.152	.134	.119	.104	.092	.082	.060	.053	.048	.019	.017	.015	
2.0	.167	.132	.103	.143	.114	.089	.098	.079	.062	.057	.046	.036	.018	.015	.012	
3.0	.158	.114	.079	.136	.098	.068	.093	.068	.048	.054	.040	.028	.017	.013	.009	
4.0	.150	.100	.062	.129	.087	.054	.089	.060	.038	.051	.035	.023	.017	.012	.007	
5.0	.143	.090	.050	.123	.078	.044	.085	.054	.031	.049	.032	.018	.016	.010	.006	
6.0	.136	.081	.042	.117	.070	.036	.081	.049	.026	.047	.029	.015	.015	.009	.005	
7.0	.130	.074	.035	.111	.064	.031	.077	.045	.022	.045	.027	.013	.014	.009	.004	
8.0	.124	.068	.030	.106	.059	.026	.074	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.118	.063	.027	.102	.055	.023	.070	.039	.016	.041	.023	.010	.013	.007	.003	
10.0	.113	.059	.023	.097	.051	.020	.067	.036	.015	.039	.021	.009	.013	.007	.003	

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Myles  
Test Date:2019-01-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:56%  
Test Distance:5.850m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.9V I:0.1863A P:40.52W PF:0.9852 Freq:49.90Hz Lamp Flux:4954.79x1 lm		
NAME: GAME-600-36W-840	TYPE:Ceiling light	SERIAL No.:
SPEC.:4000K	DIM.: φ600mm*H78mm	
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	11.4	12.7	11.6	12.9	13.1	11.7	13.1	12.0	13.3	13.5
3H	12.1	13.4	12.4	13.6	13.8	12.5	13.8	12.8	14.0	14.2
4H	12.4	13.6	12.7	13.9	14.1	12.9	14.1	13.2	14.3	14.6
6H	12.7	13.9	13.1	14.1	14.4	13.2	14.3	13.5	14.6	14.9
8H	12.8	13.9	13.1	14.2	14.4	13.3	14.4	13.6	14.6	14.9
12H	12.8	13.9	13.2	14.2	14.4	13.2	14.3	13.6	14.6	14.9
4H 2H	11.6	12.8	11.9	13.1	13.3	11.9	13.1	12.2	13.4	13.6
3H	12.6	13.6	12.9	13.9	14.2	12.9	14.0	13.3	14.3	14.6
4H	13.1	14.0	13.5	14.3	14.7	13.5	14.4	13.8	14.7	15.0
6H	13.5	14.4	13.9	14.7	15.1	13.9	14.7	14.3	15.1	15.4
8H	13.6	14.4	14.1	14.8	15.2	14.0	14.8	14.4	15.1	15.5
12H	13.7	14.4	14.1	14.8	15.2	14.0	14.7	14.4	15.1	15.5
8H 4H	13.3	14.0	13.7	14.4	14.8	13.6	14.4	14.0	14.7	15.1
6H	13.9	14.5	14.3	14.9	15.3	14.2	14.8	14.6	15.2	15.6
8H	14.1	14.7	14.5	15.1	15.5	14.3	14.9	14.8	15.3	15.8
12H	14.2	14.7	14.7	15.1	15.6	14.3	14.8	14.8	15.2	15.7
12H 4H	13.3	14.0	13.7	14.4	14.8	13.6	14.3	14.0	14.7	15.1
6H	13.9	14.5	14.4	14.9	15.4	14.2	14.8	14.7	15.2	15.7
8H	14.2	14.7	14.7	15.1	15.6	14.4	14.9	14.9	15.3	15.8
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, 4955 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.6)

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Myles  
Test Date:2019-01-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:56%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:220.9V I:0.1863A P:40.52W PF:0.9852 Freq:49.90Hz Lamp Flux:4954.79x1 lm		
NAME: GAME-600-36W-840	TYPE:Ceiling light	SERIAL No.:
SPEC.:4000K	DIM.: φ600mm*H78mm	
MFR.: NEKO LIGHTING AG		

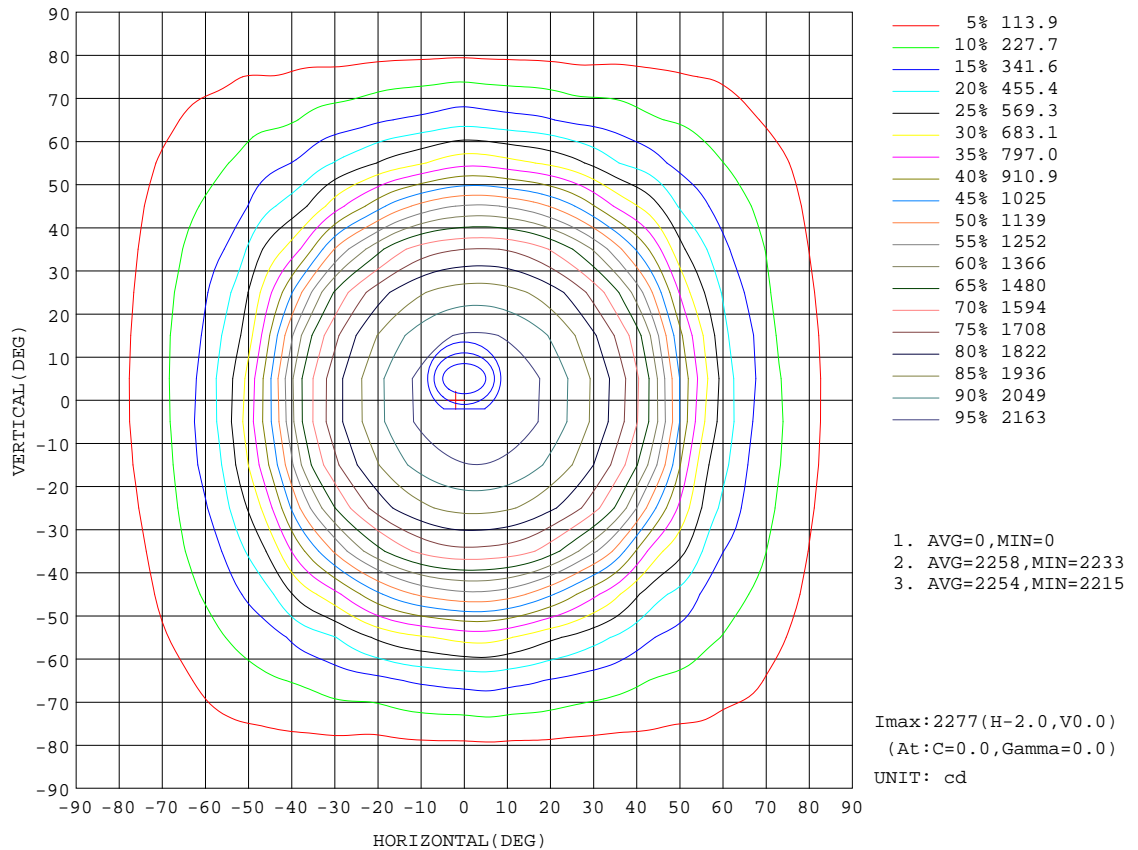
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	64	54	48	64	54	48	63	53	48	42
0.80	74	64	58	73	64	58	72	63	57	51
1.00	82	73	67	81	72	66	79	73	66	60
1.25	89	80	74	88	79	74	85	78	73	66
1.50	93	85	79	92	84	79	89	83	78	71
2.00	99	92	87	98	91	86	94	89	84	77
2.50	102	96	91	101	95	90	97	92	88	81
3.00	105	100	95	103	98	94	99	95	92	84
4.00	109	104	100	106	102	99	102	99	96	88
5.00	111	106	103	108	105	101	104	101	98	90
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Myles  
Test Date:2019-01-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:56%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**ISOCANDELA DIAGRAM**

Test:U:220.9V I:0.1863A P:40.52W PF:0.9852 Freq:49.90Hz Lamp Flux:4954.79x1 lm		
NAME: GAME-600-36W-840	TYPE:Ceiling light	SERIAL No.:
SPEC.:4000K	DIM.: φ600mm*H78mm	
MFR.: NEKO LIGHTING AG		



H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Myles  
 Test Date:2019-01-05

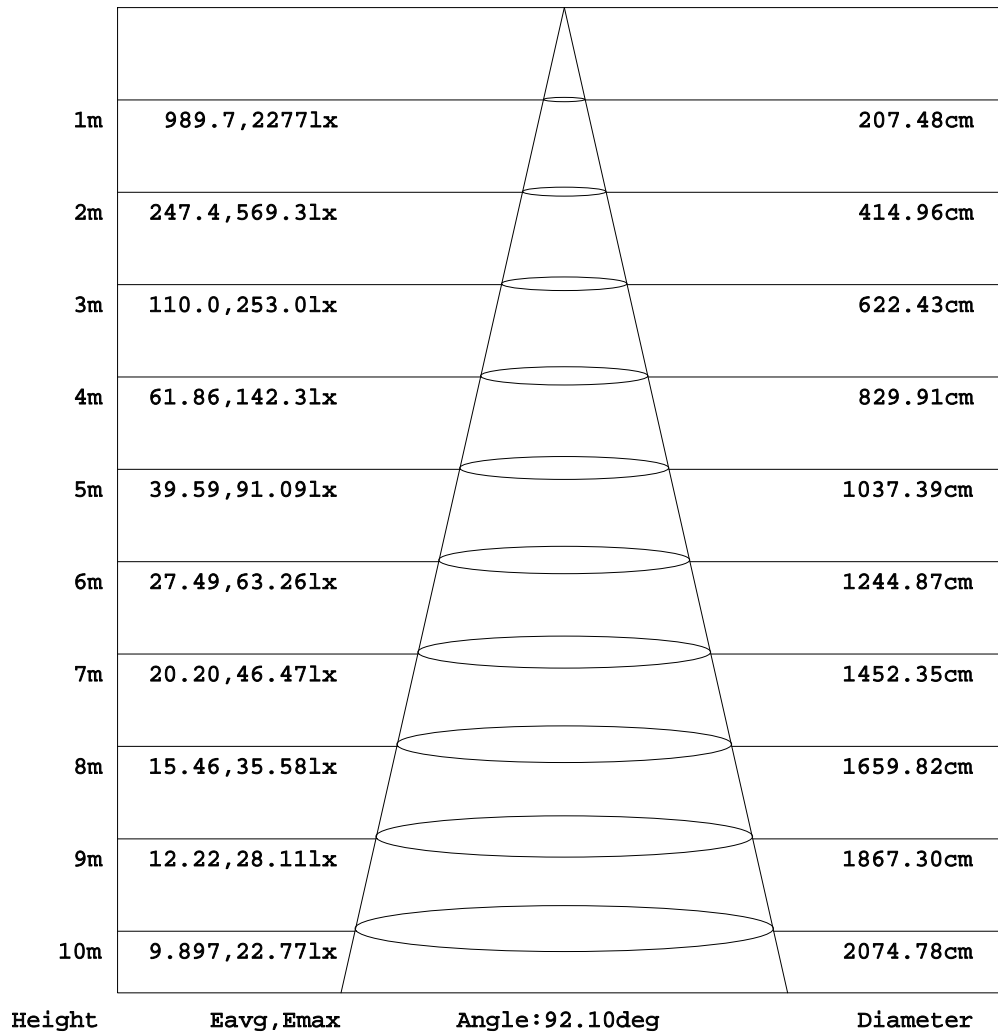
V(B) Range:-80 - 80DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:56%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:



**AAI Figure**

Test:U:220.9V I:0.1863A P:40.52W PF:0.9852 Freq:49.90Hz Lamp Flux:4954.79x1 lm		
NAME: GAME-600-36W-840	TYPE:Ceiling light	SERIAL No.:
SPEC.:4000K	DIM.: φ600mm*H78mm	
MFR.: NEKO LIGHTING AG		

Flux out:3453 lm



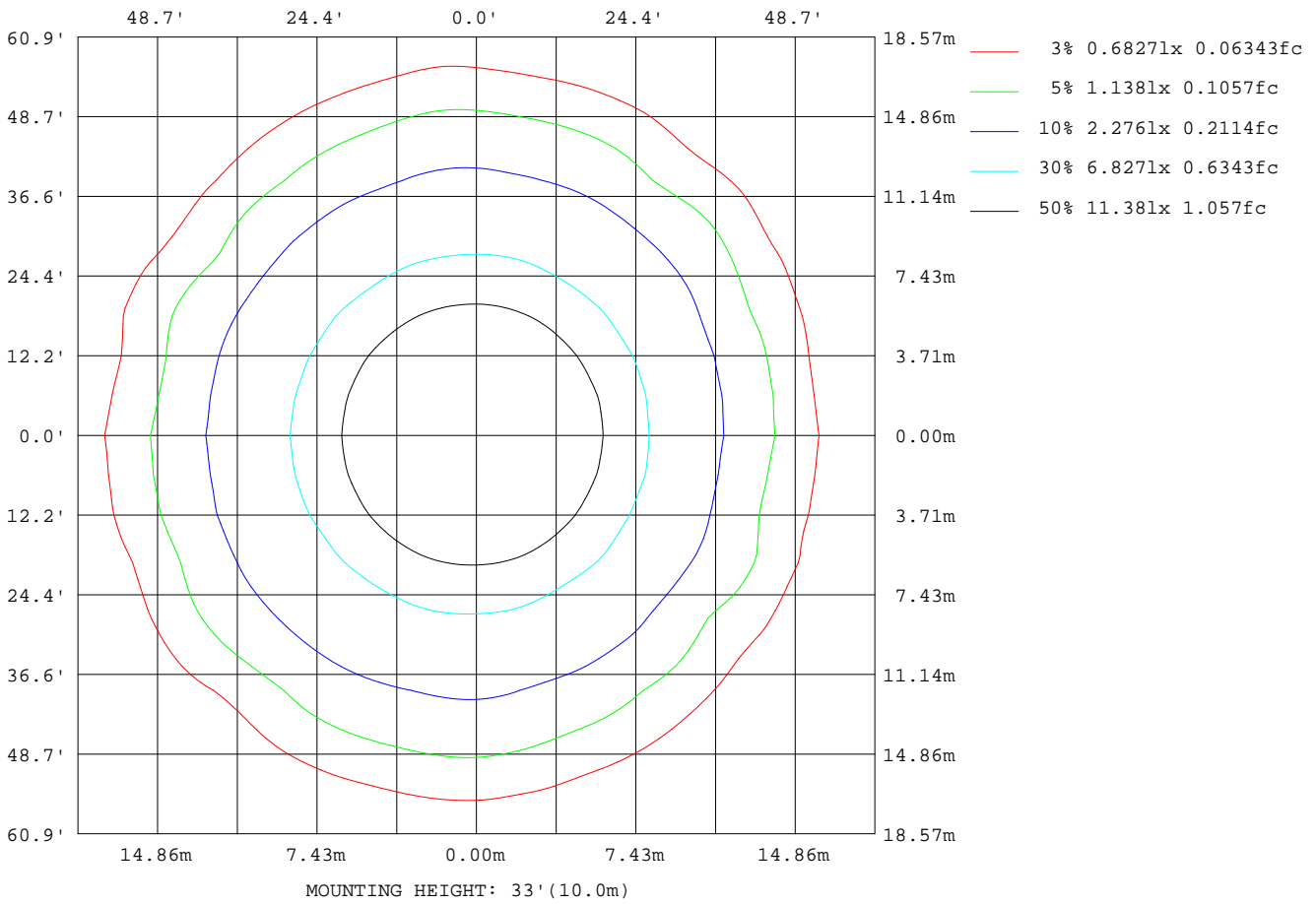
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Myles  
Test Date:2019-01-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:56%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**ISOLUX DIAGRAM**

Test:U:220.9V I:0.1863A P:40.52W PF:0.9852 Freq:49.90Hz Lamp Flux:4954.79x1 lm		
NAME: GAME-600-36W-840	TYPE:Ceiling light	SERIAL No.:
SPEC.:4000K	DIM.: φ600mm*H78mm	
MFR.: NEKO LIGHTING AG		



H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Myles  
Test Date:2019-01-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:56%  
Test Distance:5.850m [K=1.0000]  
Remarks:

LED Avg.L Report

Test:U:220.9V I:0.1863A P:40.52W PF:0.9852 Freq:49.90Hz Lamp Flux:4954.79x1 lm		
NAME: GAME-600-36W-840	TYPE:Ceiling light	SERIAL No.:
SPEC.:4000K	DIM.: φ600mm*H78mm	
MFR.: NEKO LIGHTING AG		

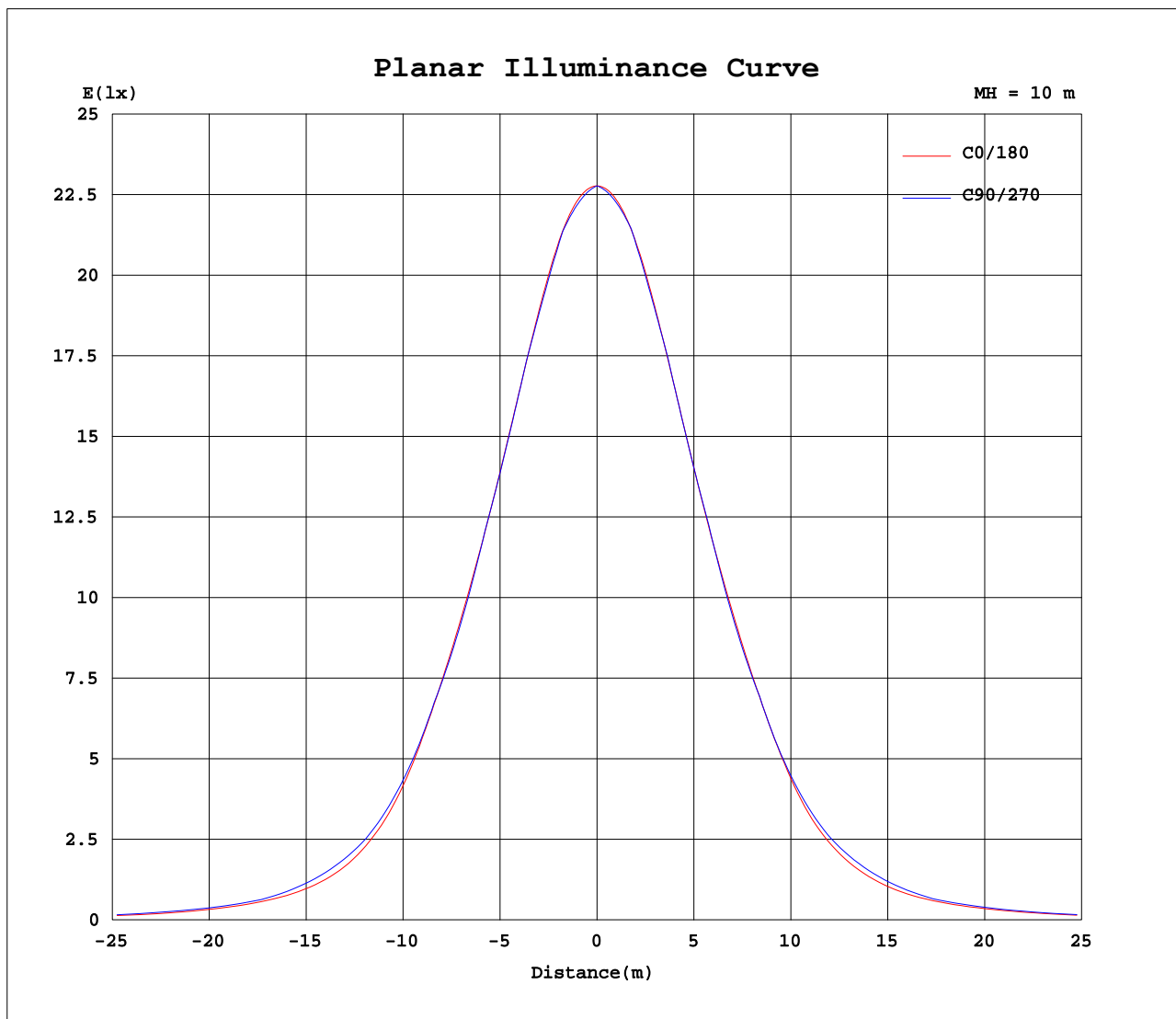
AvgL	cd/m2
L_0~180 (65) av	2871
L_0~180 (75) av	2511
L_0~180 (85) av	2136
L_90~270 (65) av	3275
L_90~270 (75) av	2694
L_90~270 (85) av	0
L_45 (65) av	2918
L_45 (75) av	2545
L_45 (85) av	1357

Standard: GB/T 29293-2012

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Myles  
Test Date:2019-01-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:56%  
Test Distance:5.850m [K=1.0000]  
Remarks:

Planar Illuminance Curve



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Myles  
Test Date:2019-01-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:56%  
Test Distance:5.850m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:0.1863A P:40.52W PF:0.9852 Freq:49.90Hz Lamp Flux:4954.79x1 lm		
NAME: GAME-600-36W-840	TYPE:Ceiling light	SERIAL No.:
SPEC.:4000K	DIM.: φ600mm*H78mm	
MFR.: NEKO LIGHTING AG		

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Myles  
Test Date:2019-01-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:56%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:220.9V I:0.1863A P:40.52W PF:0.9852 Freq:49.90Hz Lamp Flux:4954.79x1 lm		
NAME: GAME-600-36W-840	TYPE:Ceiling light	SERIAL No.:
SPEC.:4000K	DIM.: φ600mm*H78mm	
MFR.: NEKO LIGHTING AG		

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.00

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Myles  
Test Date:2019-01-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:56%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:220.9V I:0.1863A P:40.52W PF:0.9852 Freq:49.90Hz Lamp Flux:4954.79x1 lm		
NAME: GAME-600-36W-840	TYPE:Ceiling light	SERIAL No.:
SPEC.:4000K	DIM.: φ600mm*H78mm	
MFR.: NEKO LIGHTING AG		

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Myles  
Test Date:2019-01-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:56%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:220.9V I:0.1863A P:40.52W PF:0.9852 Freq:49.90Hz Lamp Flux:4954.79x1 lm		
NAME : GAME-600-36W-840	TYPE:Ceiling light	SERIAL No.:
SPEC.:4000K	DIM.: φ600mm*H78mm	
MFR.: NEKO LIGHTING AG		

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Myles  
Test Date:2019-01-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:56%  
Test Distance:5.850m [K=1.0000]  
Remarks: