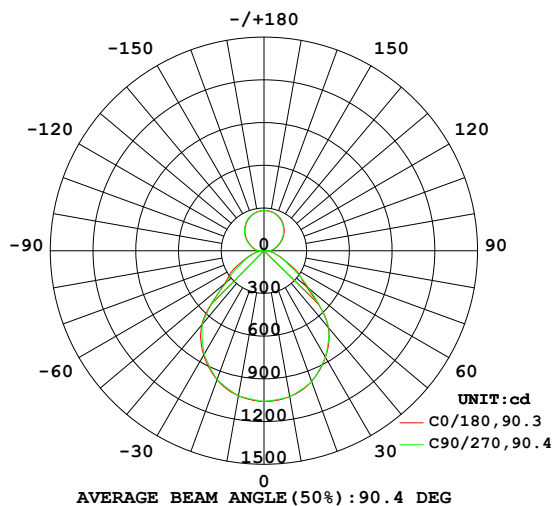


LUMINAIRE PHOTOMETRIC TEST REPORT

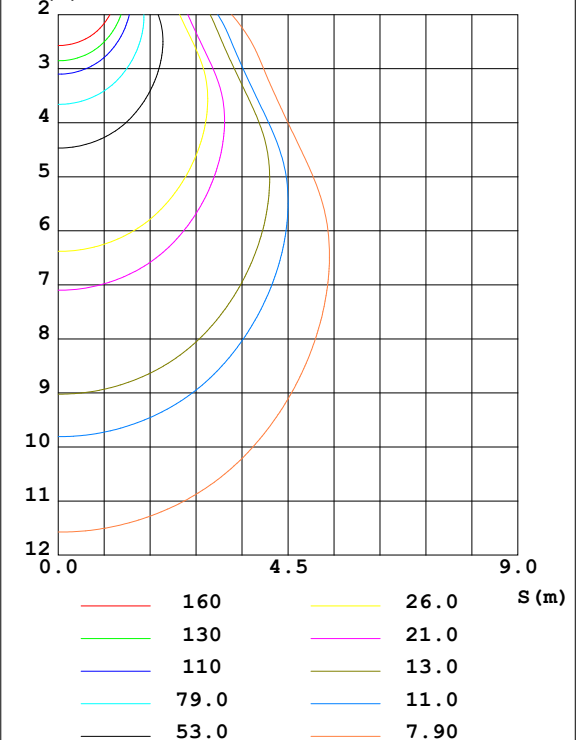
Test:U:220.4V I:0.1265A P:27.89W PF:0 Freq:0Hz Lamp Flux:3138.07x1 lm		
NAME: GAME 350-U-26W-840	TYPE:Ceiling light	WEIGHT:0.2
SPEC.:4000K	DIM.: ϕ 350mm*H78mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 350mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 112.53 lm/W			
MODEL	OSRAM-4000K	I _{max} (cd)	1058	S/MH (C0/180)	1.20
NOMINAL POWER (W)	28	LOR (%)	100.0	S/MH (C90/270)	1.18
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	3138.1	η UP,DN (C0-180)	14.7,36.1
NOMINAL FLUX (lm)	3138.07	CIE CLASS	SEMI-D.	η UP,DN (C180-360)	14.6,34.6
LAMPS INSIDE	1	η up (%)	29.3	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220.0	η down (%)	70.7	CIBSE SHR MAX	1.30

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:2020-05-22

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:

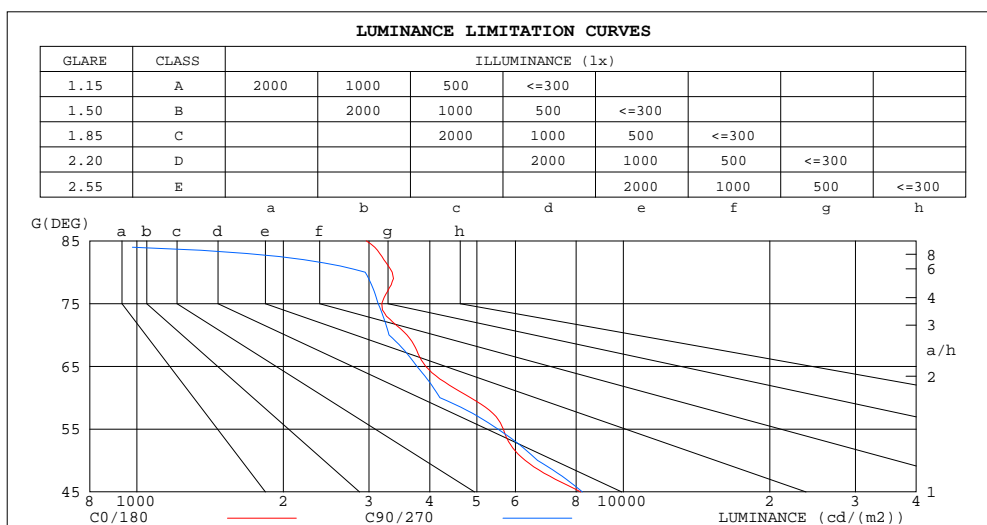
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	1040	1040	1041	1031	1034	1027	1035	1035	0- 10	99.65	99.65	3.18,3.18
20	976.5	981.4	980.4	959.9	964.2	947.9	963.3	969.9	10- 20	283.8	383.4	12.2,12.2
30	863.7	867.0	863.1	848.0	846.9	828.2	838.7	853.1	20- 30	420.1	803.5	25.6,25.6
40	703.5	711.3	710.3	694.0	679.2	659.8	675.3	689.9	30- 40	483.2	1287	41,41
50	388.4	422.8	411.8	411.9	362.5	358.6	339.8	392.5	40- 50	418.2	1705	54.3,54.3
60	233.3	212.5	201.9	217.1	224.8	185.5	183.9	213.7	50- 60	260.5	1966	62.6,62.6
70	118.1	115.4	108.5	106.7	111.9	97.85	99.00	110.1	60- 70	150.4	2116	67.4,67.4
80	55.92	54.09	49.21	50.11	49.85	38.74	41.46	49.30	70- 80	81.96	2198	70,70
90	43.74	43.29	41.49	37.80	37.07	38.10	41.13	42.77	80- 90	19.83	2218	70.7,70.7
100	72.39	71.26	67.18	64.48	64.14	65.57	67.67	70.99	90-100	58.61	2276	72.5,72.5
110	105.2	103.7	98.84	96.15	94.99	96.60	99.97	103.5	100-110	88.35	2365	75.4,75.4
120	143.8	142.1	137.8	133.4	132.3	134.2	137.1	142.1	110-120	117.1	2482	79.1,79.1
130	182.8	181.4	177.1	172.5	171.5	172.8	176.0	181.1	120-130	141.0	2623	83.6,83.6
140	218.1	216.8	212.9	208.7	207.6	208.8	211.8	216.5	130-140	150.7	2774	88.4,88.4
150	247.2	246.1	243.0	239.5	238.4	239.6	242.8	246.8	140-150	143.0	2917	92.9,92.9
160	268.3	267.4	265.4	262.9	262.0	262.9	264.7	267.4	150-160	117.6	3034	96.7,96.7
170	280.3	279.7	278.9	277.5	277.1	277.6	278.6	279.8	160-170	77.10	3111	99.1,99.1
180	282.7	282.7	282.7	282.7	282.7	282.7	282.7	282.7	170-180	26.80	3138	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:2020-05-22

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:220.4V I:0.1265A P:27.89W PF:0 Freq:0Hz Lamp Flux:3138.07x1 lm		
NAME: GAME 350-U-26W-840	TYPE:Ceiling light	WEIGHT:0.2
SPEC.:4000K	DIM.: ϕ 350mm*H78mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 350mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2963	0
80	3349	2947
75	3187	3133
70	3591	3299
65	3924	3762
60	4852	4198
55	5664	5521
50	6283	6663
45	8173	8235

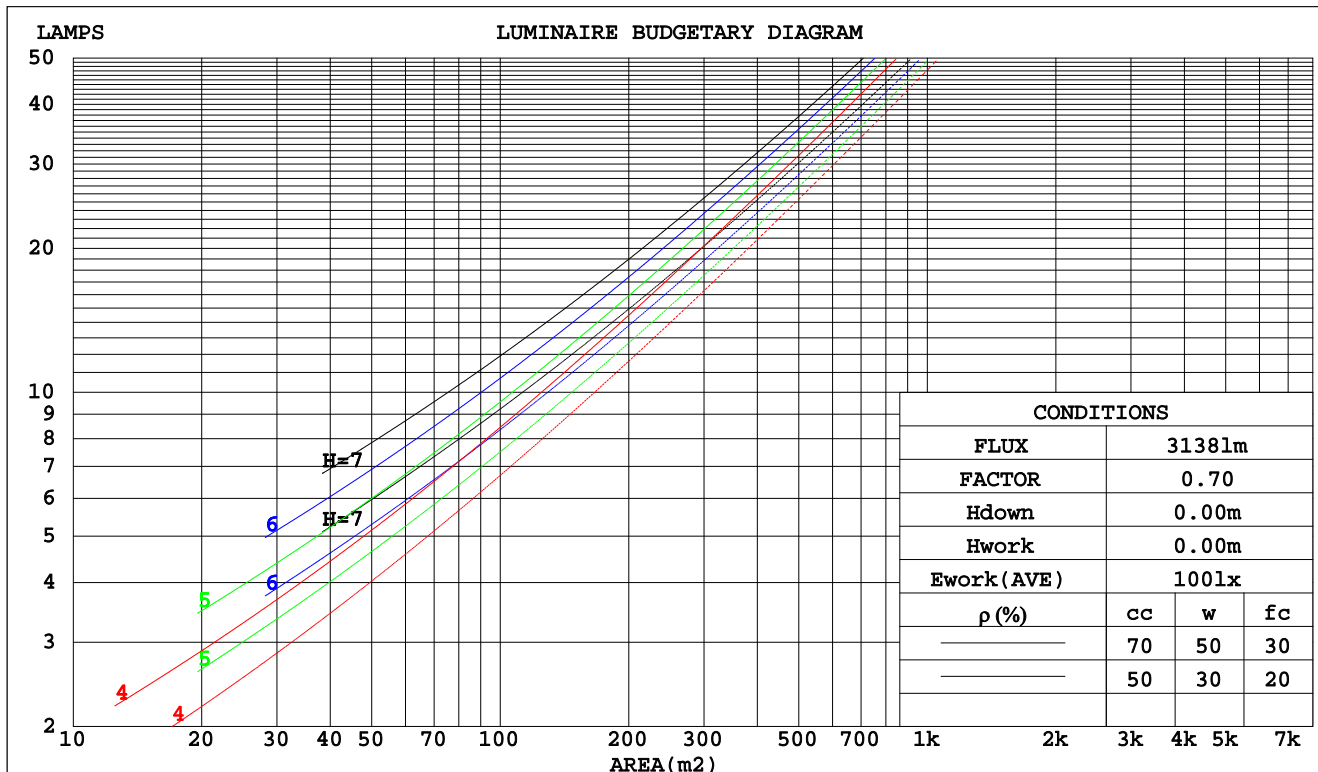
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-05-22

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:220.4V I:0.1265A P:27.89W PF:0 Freq:0Hz Lamp Flux:3138.07x1 lm		
NAME: GAME 350-U-26W-840	TYPE:Ceiling light	WEIGHT:0.2
SPEC.:4000K	DIM.: ϕ 350mm*H78mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 350mm	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	1.12	1.12	1.12	1.06	1.06	1.06	.95	.95	.95	.85	.85	.85	.75	.75	.75	.71
1.0	.99	.96	.93	.94	.91	.88	.85	.82	.80	.76	.74	.73	.68	.67	.66	.62
2.0	.88	.82	.78	.84	.79	.74	.76	.72	.68	.68	.65	.62	.61	.59	.57	.53
3.0	.79	.72	.66	.75	.69	.63	.68	.63	.59	.61	.57	.54	.55	.52	.50	.47
4.0	.70	.63	.57	.67	.60	.55	.61	.55	.51	.55	.51	.47	.50	.47	.44	.41
5.0	.63	.55	.50	.60	.53	.48	.55	.49	.45	.50	.46	.42	.46	.42	.39	.36
6.0	.57	.49	.44	.55	.48	.42	.50	.44	.40	.46	.41	.37	.42	.38	.35	.32
7.0	.52	.44	.39	.50	.43	.38	.46	.40	.35	.42	.37	.33	.38	.34	.31	.29
8.0	.48	.40	.35	.46	.39	.34	.42	.36	.32	.39	.34	.30	.35	.31	.28	.26
9.0	.44	.36	.31	.42	.35	.31	.39	.33	.29	.36	.31	.27	.33	.29	.26	.24
10.0	.40	.33	.28	.39	.32	.28	.36	.30	.26	.33	.28	.25	.31	.26	.23	.22



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-05-22

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:220.4V I:0.1265A P:27.89W PF:0 Freq:0Hz Lamp Flux:3138.07x1 lm		
NAME: GAME 350-U-26W-840	TYPE:Ceiling light	WEIGHT:0.2
SPEC.:4000K	DIM.: φ350mm*H78mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:φ350mm	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	.259	.147	.047	.244	.139	.044	.214	.123	.039	.187	.108	.035	.162	.094	.030		
2.0	.246	.135	.041	.231	.127	.039	.205	.114	.035	.180	.101	.032	.157	.089	.028		
3.0	.230	.122	.037	.217	.116	.035	.193	.104	.032	.170	.093	.029	.150	.083	.026		
4.0	.215	.112	.033	.203	.106	.031	.181	.096	.029	.160	.086	.026	.141	.077	.023		
5.0	.201	.102	.030	.190	.097	.028	.170	.088	.026	.151	.080	.024	.133	.071	.021		
6.0	.188	.094	.027	.178	.090	.026	.159	.082	.024	.142	.074	.022	.126	.066	.020		
7.0	.176	.087	.025	.167	.083	.024	.150	.076	.022	.134	.069	.020	.119	.062	.018		
8.0	.166	.081	.023	.158	.078	.022	.142	.071	.020	.127	.064	.019	.113	.058	.017		
9.0	.156	.076	.021	.149	.072	.020	.134	.066	.019	.120	.060	.017	.107	.054	.016		
10.0	.148	.071	.020	.141	.068	.019	.127	.062	.018	.114	.057	.016	.102	.051	.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	.414	.414	.414	.354	.354	.354	.241	.241	.241	.139	.139	.139	.044	.044	.044	
1.0	.402	.382	.364	.344	.328	.313	.235	.225	.216	.135	.130	.126	.043	.042	.041	
2.0	.393	.359	.330	.336	.309	.286	.231	.214	.199	.133	.124	.117	.043	.040	.038	
3.0	.385	.342	.308	.330	.295	.267	.226	.205	.187	.131	.120	.110	.042	.039	.036	
4.0	.377	.329	.292	.324	.284	.254	.223	.198	.179	.129	.116	.106	.041	.038	.035	
5.0	.370	.319	.281	.318	.276	.245	.219	.193	.173	.127	.113	.103	.041	.037	.034	
6.0	.364	.311	.273	.313	.270	.238	.216	.189	.168	.125	.111	.100	.040	.036	.033	
7.0	.358	.305	.267	.308	.264	.233	.213	.185	.165	.124	.109	.098	.040	.036	.032	
8.0	.352	.299	.263	.303	.260	.229	.210	.182	.163	.122	.108	.097	.039	.035	.032	
9.0	.347	.295	.259	.299	.256	.226	.207	.180	.161	.121	.106	.096	.039	.035	.032	
10.0	.342	.291	.256	.295	.252	.224	.205	.178	.159	.119	.105	.095	.039	.034	.031	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-05-22

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:220.4V I:0.1265A P:27.89W PF:0 Freq:0Hz Lamp Flux:3138.07x1 lm										
NAME: GAME 350-U-26W-840					TYPE:Ceiling light			WEIGHT:0.2		
SPEC.:4000K					DIM.: ϕ 350mm*H78mm			SERIAL No.:		
MFR.: NEKO LIGHTING AG					SUR.: ϕ 350mm			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	12.8	13.8	13.4	14.4	15.2	12.8	13.8	13.4	14.4	15.2
3H	13.4	14.3	14.1	15.0	15.8	13.4	14.4	14.1	15.0	15.8
4H	13.7	14.6	14.4	15.2	16.0	13.7	14.6	14.4	15.3	16.1
6H	13.9	14.8	14.6	15.5	16.3	13.9	14.8	14.6	15.5	16.3
8H	14.0	14.8	14.8	15.5	16.4	14.0	14.7	14.7	15.4	16.3
12H	14.1	14.8	14.8	15.5	16.4	13.9	14.6	14.6	15.4	16.2
4H 2H	12.9	13.8	13.6	14.4	15.2	12.8	13.7	13.5	14.4	15.2
3H	13.7	14.4	14.4	15.1	16.0	13.7	14.5	14.4	15.2	16.0
4H	14.1	14.7	14.8	15.5	16.4	14.2	14.8	14.9	15.6	16.4
6H	14.5	15.1	15.2	15.8	16.7	14.5	15.1	15.3	15.9	16.8
8H	14.6	15.2	15.4	16.0	16.9	14.6	15.2	15.4	15.9	16.9
12H	14.7	15.2	15.5	16.0	16.9	14.6	15.1	15.4	15.8	16.8
8H 4H	14.1	14.7	14.9	15.5	16.4	14.2	14.8	15.0	15.5	16.5
6H	14.7	15.1	15.5	15.9	16.9	14.8	15.2	15.6	16.0	17.0
8H	14.9	15.3	15.7	16.1	17.1	14.9	15.3	15.8	16.1	17.1
12H	15.1	15.4	15.9	16.2	17.3	14.9	15.2	15.7	16.1	17.1
12H 4H	14.1	14.6	14.9	15.4	16.4	14.2	14.7	15.0	15.5	16.4
6H	14.7	15.1	15.5	15.9	16.9	14.8	15.2	15.6	16.0	17.0
8H	15.0	15.3	15.8	16.1	17.2	15.0	15.3	15.8	16.1	17.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.6					+ 0.4 / - 0.5				
1.5H	+ 0.4 / - 0.5					+ 0.3 / - 0.4				
2.0H	+ 1.2 / - 0.7					+ 1.1 / - 1.0				

CIE Pub.117, 3138 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 4.0$)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-05-22

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:220.4V I:0.1265A P:27.89W PF:0 Freq:0Hz Lamp Flux:3138.07x1 lm		
NAME: GAME 350-U-26W-840	TYPE:Ceiling light	WEIGHT:0.2
SPEC.:4000K	DIM.: \varnothing 350mm*H78mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: \varnothing 350mm	Shielding Angle:

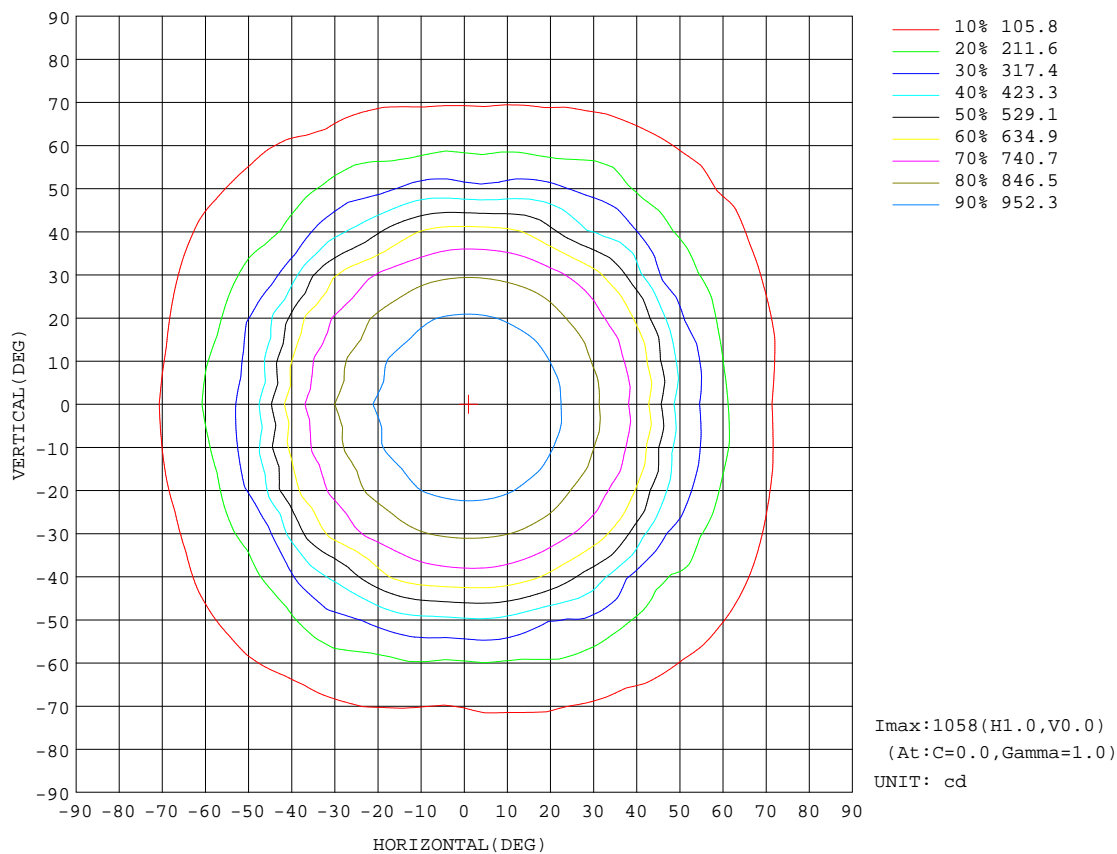
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	55	44	38	53	44	38	50	42	37	30
0.80	64	54	47	62	53	47	58	50	45	37
1.00	72	62	55	69	60	54	65	58	52	43
1.25	79	69	62	76	67	61	70	63	58	48
1.50	83	74	68	80	72	66	73	67	62	51
2.00	90	81	75	86	78	73	78	73	68	55
2.50	93	86	80	89	82	77	81	76	72	57
3.00	96	90	84	92	86	81	83	79	75	60
4.00	100	94	90	95	90	86	86	82	79	62
5.00	102	97	93	97	93	90	88	85	82	64
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:2020-05-22

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:220.4V I:0.1265A P:27.89W PF:0 Freq:0Hz Lamp Flux:3138.07x1 lm		
NAME: GAME 350-U-26W-840	TYPE:Ceiling light	WEIGHT:0.2
SPEC.:4000K	DIM.: ϕ 350mm*H78mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 350mm	Shielding Angle:

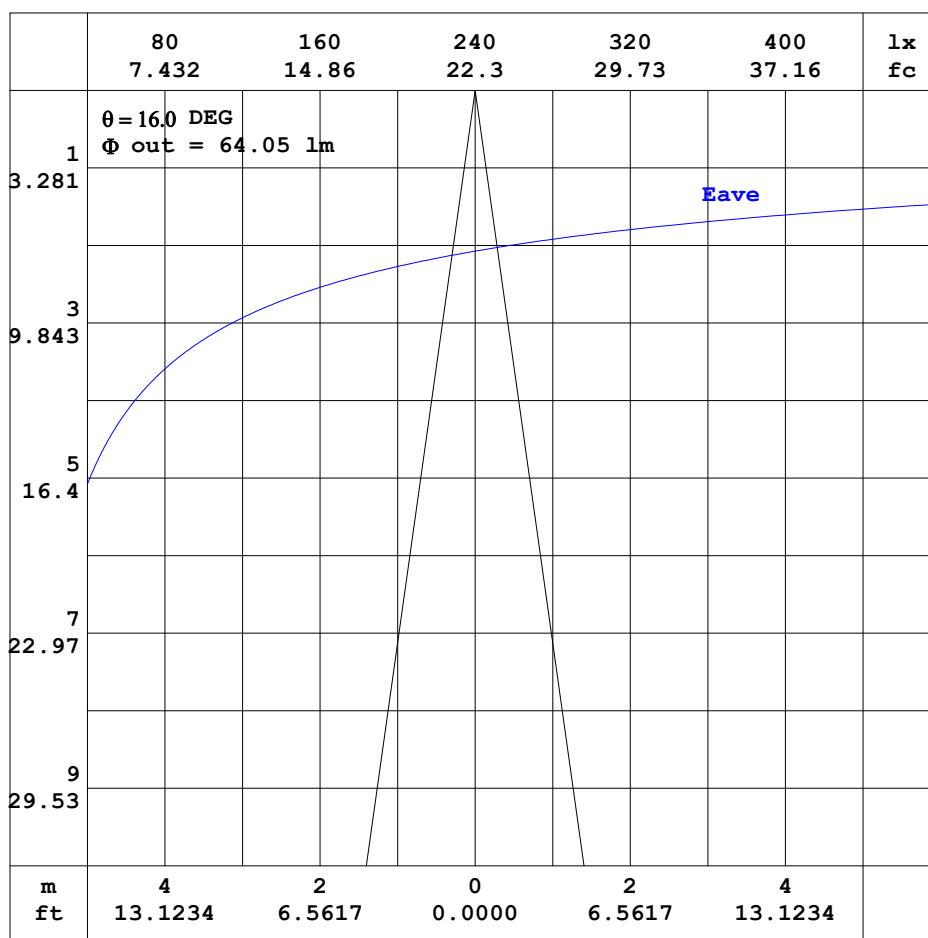


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-05-22

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:220.4V I:0.1265A P:27.89W PF:0 Freq:0Hz Lamp Flux:3138.07x1 lm		
NAME: GAME 350-U-26W-840	TYPE:Ceiling light	WEIGHT:0.2
SPEC.:4000K	DIM.: ϕ 350mm*H78mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 350mm	Shielding Angle:



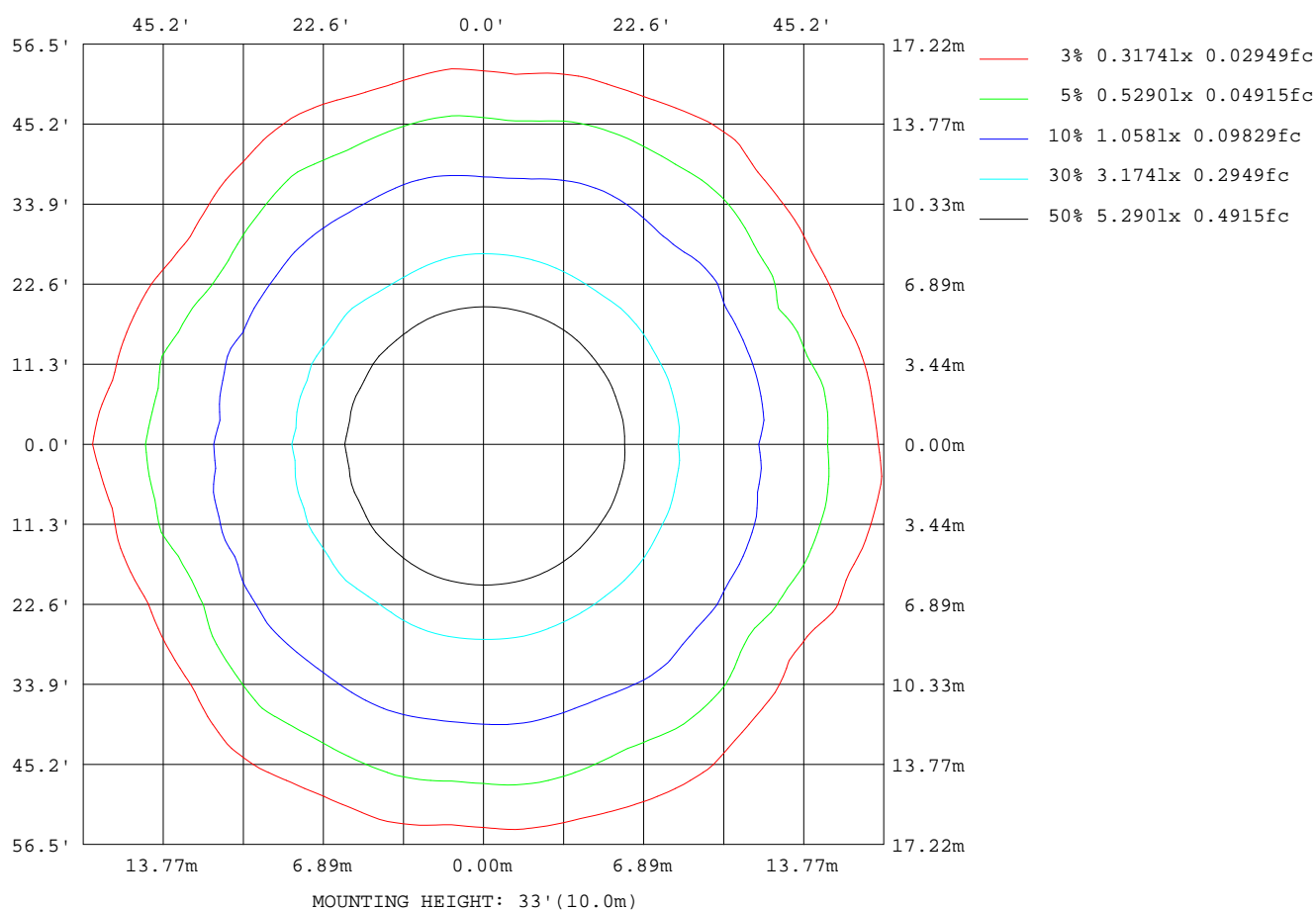
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-05-22

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:220.4V I:0.1265A P:27.89W PF:0 Freq:0Hz Lamp Flux:3138.07x1 lm		
NAME: GAME 350-U-26W-840	TYPE:Ceiling light	WEIGHT:0.2
SPEC.:4000K	DIM.: ϕ 350mm*H78mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 350mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-05-22

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:220.4V I:0.1265A P:27.89W PF:0 Freq:0Hz Lamp Flux:3138.07x1 lm		
NAME: GAME 350-U-26W-840	TYPE:Ceiling light	WEIGHT:0.2
SPEC.:4000K	DIM.: ϕ 350mm*H78mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 350mm	Shielding Angle:

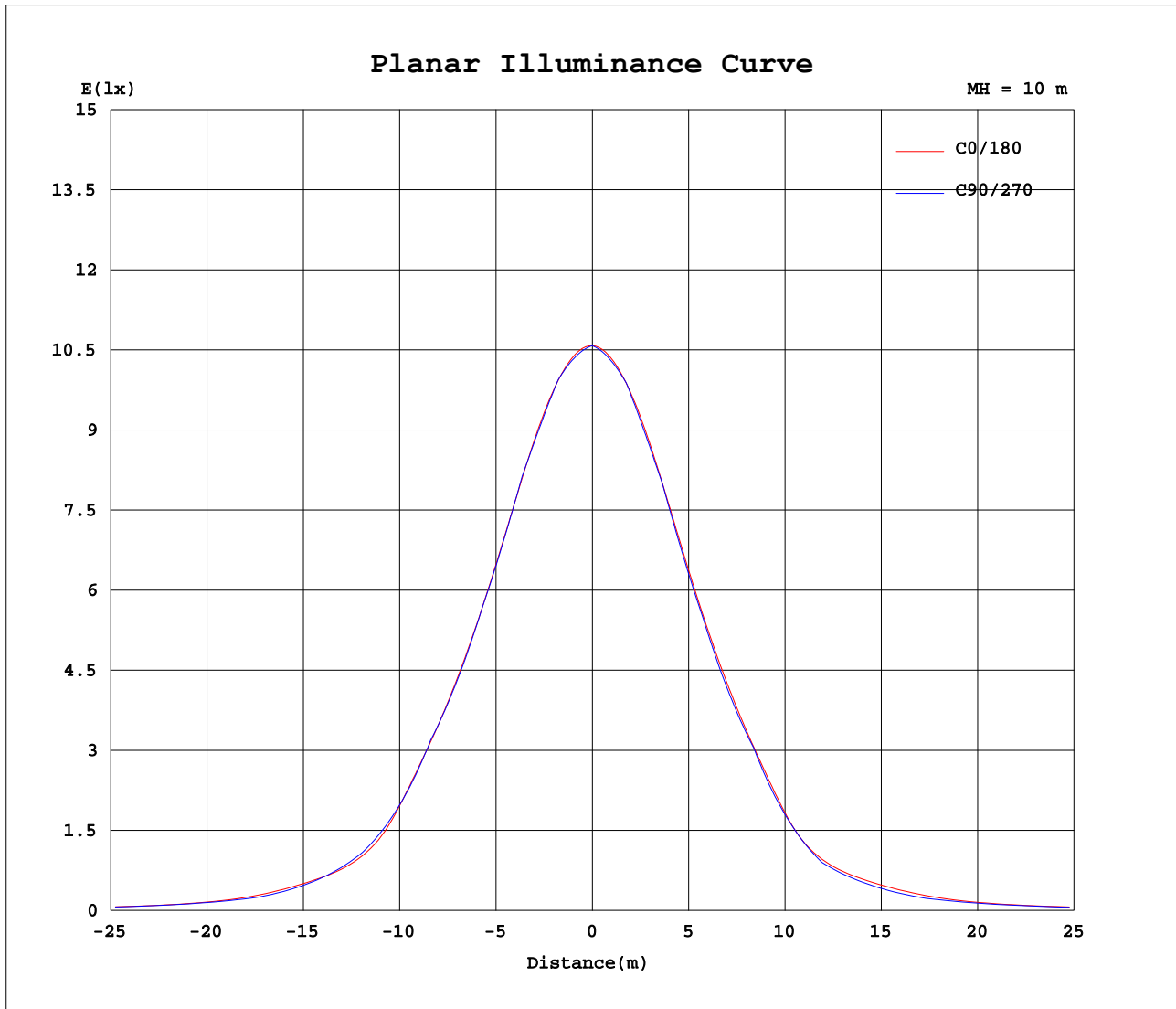
AvgL	cd/m2
L_0~180 (65) av	3871
L_0~180 (75) av	3074
L_0~180 (85) av	2677
L_90~270 (65) av	3643
L_90~270 (75) av	2985
L_90~270 (85) av	0
L_45 (65) av	3649
L_45 (75) av	3010
L_45 (85) av	1624

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-05-22

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: 2020-05-22

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:220.4V I:0.1265A P:27.89W PF:0 Freq:0Hz Lamp Flux:3138.07x1 lm		
NAME: GAME 350-U-26W-840	TYPE:Ceiling light	WEIGHT:0.2
SPEC.:4000K	DIM.: ϕ 350mm*H78mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 350mm	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	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058
5	1054	1054	1053	1053	1053	1052	1052	1052	1052	1051	1051	1051	1051	1051	1050	1050	1050	1049	1049
10	1040	1040	1039	1039	1040	1040	1040	1040	1040	1040	1040	1041	1041	1042	1042	1042	1042	1042	1041
15	1016	1015	1016	1017	1018	1018	1018	1019	1020	1019	1018	1017	1016	1015	1014	1013	1012	1011	1010
20	977	977	979	982	980	980	982	981	981	981	981	979	979	979	980	980	980	981	980
25	925	927	931	929	928	929	930	932	930	929	929	930	930	929	928	926	924	923	921
30	864	868	871	868	867	869	869	865	865	867	869	871	870	869	868	866	865	864	863
35	793	800	801	797	800	798	792	794	799	799	798	799	797	796	795	793	791	789	786
40	704	718	713	716	720	711	713	718	715	711	703	703	703	704	708	712	713	712	710
45	556	590	568	599	589	599	599	600	596	587	572	574	580	578	576	576	573	566	560
50	388	406	402	426	427	431	421	436	427	423	440	441	428	414	412	417	422	419	412
55	312	320	325	323	317	294	286	257	281	315	324	320	300	292	299	309	316	314	305
60	233	246	237	230	215	223	201	201	209	213	220	235	235	231	222	212	211	211	202
65	159	167	153	142	154	156	158	155	160	157	144	140	165	176	169	162	163	163	153
70	118	124	124	118	116	115	115	115	114	115	111	115	122	125	124	120	117	117	109
75	79.3	82.4	83.3	85.0	80.1	81.0	81.2	82.5	81.6	79.7	83.1	88.1	87.5	88.6	91.0	88.4	86.6	83.8	78.0
80	55.9	60.6	59.9	57.1	54.0	52.1	51.3	53.2	53.3	54.1	57.5	60.9	60.6	60.7	62.1	59.0	56.9	52.1	49.2
85	24.8	22.1	23.8	25.3	26.6	25.7	25.1	22.2	18.7	15.6	13.5	11.0	8.20	5.69	3.74	2.00	0.86	0.20	0.00
90	43.7	41.5	40.0	39.1	39.1	39.5	40.3	41.4	42.4	43.3	43.3	43.1	42.7	42.5	0.00	0.00	41.9	41.7	41.5
95	57.3	55.8	54.9	54.6	55.3	56.2	57.1	57.0	56.8	56.5	56.4	56.2	56.1	55.7	55.3	54.9	54.6	54.3	53.9
100	72.4	72.3	72.3	72.2	72.2	72.1	72.0	71.8	71.5	71.3	71.0	70.7	70.4	70.0	69.5	68.9	68.3	67.7	67.2
105	88.8	88.8	88.7	88.6	88.4	88.1	87.9	87.6	87.3	86.9	86.5	86.0	85.5	85.0	84.5	84.0	83.4	82.9	82.4
110	105	106	106	106	106	105	105	105	104	104	103	103	102	101	101	100	99.9	99.3	98.8
115	124	124	125	125	124	124	124	123	123	122	122	121	121	120	120	119	118	118	117
120	144	144	144	144	144	144	144	143	143	142	142	142	141	140	140	139	138	138	138
125	164	164	164	164	164	164	164	163	163	162	162	161	161	160	160	159	158	158	158
130	183	183	183	183	183	183	183	182	182	181	181	181	180	180	179	178	178	177	177
135	201	201	201	202	202	201	201	201	200	200	199	199	199	198	197	197	196	196	196
140	218	218	218	218	218	218	218	218	217	217	216	216	216	215	215	214	214	213	213
145	234	234	234	234	234	234	234	233	233	232	232	232	232	231	230	230	230	229	229
150	247	247	247	247	247	247	247	247	246	246	246	246	245	245	244	244	244	243	243
155	259	259	259	259	259	259	259	258	258	258	258	257	257	257	256	256	256	255	255
160	268	268	268	268	268	268	268	268	268	267	267	267	267	267	266	266	266	266	265
165	275	276	276	276	276	275	275	275	275	275	275	275	275	274	274	274	274	274	273
170	280	280	280	280	280	280	280	280	280	280	280	280	280	279	279	279	279	279	279
175	283	283	283	283	283	283	282	282	282	282	282	282	282	282	282	282	282	282	282
180	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-05-22

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:220.4V I:0.1265A P:27.89W PF:0 Freq:0Hz Lamp Flux:3138.07x1 lm																		
NAME: GAME 350-U-26W-840									TYPE:Ceiling light					WEIGHT:0.2				
SPEC.:4000K									DIM.: ϕ 350mm*H78mm					SERIAL No.:				
MFR.: NEKO LIGHTING AG									SUR.: ϕ 350mm					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	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058
5	1049	1048	1048	1048	1047	1047	1047	1047	1047	1047	1047	1047	1047	1047	1048	1048	1049	1050	1050
10	1041	1040	1039	1038	1037	1036	1034	1033	1031	1030	1028	1027	1027	1028	1029	1030	1032	1034	1031
15	1009	1008	1007	1006	1005	1005	1006	1007	1009	1010	1006	1003	999	996	997	999	1002	1006	1001
20	979	978	976	973	970	968	964	961	960	961	963	967	962	956	951	952	957	964	956
25	920	918	917	916	917	917	919	919	912	906	900	902	907	906	898	893	900	910	898
30	862	861	859	858	855	852	848	846	848	852	844	835	834	841	839	829	834	847	832
35	784	783	783	783	783	784	788	780	772	767	771	773	761	760	772	760	758	773	755
40	709	708	707	703	694	680	669	674	694	692	677	679	692	674	678	676	658	679	649
45	557	561	570	575	575	568	550	534	540	565	583	554	554	566	524	541	486	518	465
50	407	411	422	428	424	414	407	408	412	419	404	400	371	390	384	384	362	363	345
55	301	310	315	311	306	301	307	318	306	295	279	251	248	259	288	284	292	296	283
60	197	212	221	214	215	224	234	234	217	201	193	197	194	198	191	190	205	225	214
65	151	161	161	156	157	163	166	157	146	146	148	147	150	143	139	132	137	155	152
70	104	109	115	116	120	119	115	109	107	108	108	105	105	104	100	102	108	112	103
75	76.3	79.1	81.4	84.0	85.3	82.4	78.7	78.0	76.8	75.6	73.9	76.3	73.6	71.7	68.3	70.3	73.2	73.7	73.0
80	48.5	49.1	50.2	52.8	54.7	55.4	53.0	53.1	50.1	46.9	45.3	44.0	44.4	44.4	43.6	43.9	45.6	49.8	45.1
85	0.18	0.74	1.69	3.13	5.07	7.44	9.75	12.8	15.0	16.5	18.6	19.8	18.8	17.8	17.8	14.8	11.0	20.0	14.4
90	41.0	40.4	0.00	0.00	38.9	38.5	38.2	38.0	37.8	37.6	37.4	37.2	37.2	37.1	37.1	37.1	37.1	37.1	36.9
95	53.4	52.8	52.3	52.0	51.7	51.5	51.2	50.9	50.6	50.5	50.4	50.3	50.2	50.0	49.9	50.0	50.1	50.2	50.3
100	66.8	66.5	66.2	66.0	65.8	65.5	65.2	64.8	64.5	64.4	64.3	64.3	64.1	63.9	63.8	63.9	64.0	64.1	64.2
105	82.0	81.6	81.3	81.0	80.8	80.6	80.4	80.1	79.9	79.7	79.5	79.4	79.2	79.1	79.0	79.0	79.0	79.1	79.1
110	98.4	98.0	97.6	97.3	96.9	96.7	96.5	96.3	96.1	95.9	95.7	95.4	95.3	95.1	95.1	95.0	95.0	95.0	94.9
115	117	116	116	116	115	115	115	114	114	114	113	113	113	113	113	113	113	112	112
120	137	136	136	136	135	135	135	134	133	133	133	133	133	132	132	132	132	132	132
125	157	156	156	155	155	155	154	154	153	153	153	153	152	152	152	152	152	152	152
130	176	176	175	175	174	174	174	173	173	172	172	172	172	171	171	171	171	171	171
135	195	194	194	193	193	193	192	192	191	191	191	191	190	190	190	190	190	190	190
140	212	212	211	211	211	210	210	209	209	209	208	208	208	208	207	207	207	208	208
145	228	228	227	227	227	226	226	225	225	225	225	225	224	224	224	224	224	224	224
150	243	242	242	241	241	241	240	240	240	239	239	239	239	239	238	238	238	238	238
155	255	254	254	254	254	253	253	253	252	252	252	252	252	251	251	251	251	251	251
160	265	265	264	264	264	264	264	263	263	263	263	263	262	262	262	262	262	262	262
165	273	273	273	273	272	272	272	272	271	271	271	271	271	271	271	271	271	271	271
170	279	279	278	278	278	278	278	278	278	277	277	277	277	277	277	277	277	277	277
175	282	282	282	282	282	281	281	281	281	281	281	281	281	281	281	281	281	281	281
180	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-05-22

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:220.4V I:0.1265A P:27.89W PF:0 Freq:0Hz Lamp Flux:3138.07x1 lm																		
NAME: GAME 350-U-26W-840									TYPE:Ceiling light					WEIGHT:0.2				
SPEC.:4000K									DIM.: φ350mm*H78mm					SERIAL No.:				
MFR.: NEKO LIGHTING AG									SUR.:φ350mm					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	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058
5	1049	1048	1047	1046	1046	1045	1045	1044	1044	1044	1044	1044	1045	1045	1045	1045	1046	1046	1046
10	1029	1027	1025	1024	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1034	1035	1035	1035
15	997	993	992	994	997	1000	1003	1002	999	997	996	996	996	996	997	997	998	999	1000
20	949	946	950	955	958	953	950	948	949	952	954	957	958	960	961	962	963	964	964
25	890	892	899	898	891	887	892	897	902	902	900	899	898	898	898	899	900	902	904
30	825	832	832	822	821	828	834	828	825	826	830	833	836	837	837	838	839	839	841
35	754	763	748	746	756	750	743	746	753	761	752	747	747	749	753	755	757	758	760
40	663	658	651	669	648	641	657	660	633	616	619	632	646	660	670	675	675	675	675
45	505	484	520	505	496	521	511	496	484	475	487	498	508	516	520	516	509	508	516
50	356	362	366	339	338	333	346	359	362	361	354	355	364	373	370	356	340	337	354
55	274	286	260	250	229	224	236	246	261	275	265	258	260	266	272	275	265	258	268
60	192	180	184	184	179	172	181	186	182	189	202	198	183	176	182	192	184	180	195
65	138	126	129	137	133	138	137	136	127	125	142	149	140	135	136	145	143	139	147
70	103	104	101	98.9	95.6	96.2	97.7	97.8	96.0	95.9	99.8	103	106	103	100	99.4	99.0	98.3	103
75	71.3	68.4	65.8	64.7	68.0	66.4	65.1	66.6	68.8	71.9	71.0	69.8	74.2	74.1	71.7	70.0	70.6	70.0	71.5
80	45.0	42.4	41.8	39.3	40.0	38.8	38.2	38.7	41.3	44.4	44.8	44.5	46.4	44.5	43.0	40.5	41.5	41.5	41.1
85	16.3	15.6	13.9	13.5	13.3	12.7	11.5	10.4	8.90	7.68	5.81	4.09	2.76	1.49	0.65	0.15	0.00	0.16	0.62
90	36.8	36.8	36.9	37.1	37.4	37.6	37.8	38.1	38.4	38.7	39.0	39.3	39.7	40.0	40.4	40.8	41.1	41.3	41.4
95	50.3	50.3	50.3	50.4	50.5	50.8	51.1	51.4	51.6	51.8	52.1	52.4	52.8	53.2	53.5	53.8	54.1	54.4	54.6
100	64.2	64.2	64.2	64.3	64.4	64.8	65.2	65.6	65.8	66.0	66.3	66.7	67.1	67.5	67.6	67.6	67.7	68.2	68.7
105	79.1	79.2	79.4	79.6	79.8	80.1	80.4	80.7	81.1	81.5	81.8	82.1	82.4	82.6	82.9	83.1	83.4	83.8	84.1
110	94.9	94.9	95.2	95.5	95.8	96.1	96.3	96.6	97.0	97.3	97.7	98.1	98.4	98.8	99.2	99.6	100.0	100	101
115	112	112	112	113	113	113	114	114	114	115	115	115	116	116	116	117	118	118	119
120	132	132	132	132	132	133	134	134	134	134	134	135	136	136	137	137	137	138	139
125	152	152	152	152	152	152	153	154	154	154	154	155	155	156	156	156	157	157	158
130	171	171	171	171	171	172	172	173	173	173	173	174	174	175	175	176	176	177	177
135	190	190	190	190	190	190	191	191	192	192	192	192	193	194	194	194	194	195	196
140	207	207	207	207	207	208	208	209	209	209	209	210	210	211	211	211	212	212	213
145	224	224	224	224	224	224	225	225	225	225	226	226	227	227	227	228	228	228	229
150	239	239	239	238	239	239	239	240	240	240	240	241	241	241	242	242	243	243	244
155	251	251	251	251	251	252	252	252	252	253	253	253	253	254	254	255	255	255	256
160	262	262	262	262	262	262	263	263	263	263	263	264	264	264	264	265	265	265	265
165	271	271	271	271	271	271	271	271	272	272	272	272	272	273	273	273	273	273	273
170	277	277	277	277	277	277	277	278	278	278	278	278	278	278	278	279	279	279	279
175	281	281	281	281	281	281	281	281	281	281	281	282	282	282	282	282	282	282	282
180	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-05-22

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:220.4V I:0.1265A P:27.89W PF:0 Freq:0Hz Lamp Flux:3138.07x1 lm																	
NAME: GAME 350-U-26W-840									TYPE:Ceiling light						WEIGHT:0.2		
SPEC.:4000K									DIM.: φ350mm*H78mm						SERIAL No.:		
MFR.: NEKO LIGHTING AG									SUR.:φ350mm						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	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058				
5	1047	1047	1047	1048	1048	1048	1049	1049	1050	1050	1051	1051	1052	1053	1053				
10	1035	1035	1035	1035	1034	1034	1035	1035	1035	1036	1036	1037	1037	1038	1039				
15	1001	1002	1003	1005	1006	1008	1010	1012	1011	1012	1012	1014	1014	1014	1014				
20	963	963	963	964	966	968	970	971	972	973	973	974	977	977	976				
25	906	908	910	912	914	915	916	918	922	920	920	921	924	927	925				
30	842	844	847	850	853	854	853	853	855	859	860	858	860	866	865				
35	763	766	770	774	780	780	783	785	782	781	787	790	787	794	797				
40	676	674	669	664	664	671	690	697	701	698	701	711	710	712	717				
45	533	546	542	523	506	516	544	567	574	580	586	585	601	578	595				
50	383	405	414	411	399	388	393	428	437	404	411	414	422	420	421				
55	287	295	300	300	303	313	319	305	291	289	258	284	291	319	323				
60	199	196	202	218	233	236	214	205	212	207	211	209	220	220	224				
65	149	141	141	155	161	158	154	150	151	157	158	157	151	141	147				
70	106	105	110	113	116	112	110	110	111	111	108	113	116	120	124				
75	73.4	74.9	79.1	76.9	75.8	75.7	76.5	77.2	77.4	79.8	80.2	78.6	79.2	79.9	82.0				
80	43.0	45.1	48.2	49.7	48.8	50.1	49.3	47.8	47.4	46.8	48.9	48.6	52.5	55.4	57.1				
85	1.44	2.65	4.38	6.49	8.52	11.4	13.4	15.1	17.5	19.9	20.9	22.3	23.2	24.7	28.6				
90	41.5	41.6	41.8	42.0	42.3	42.5	42.8	43.0	43.2	43.4	43.5	43.6	43.7	43.7	43.7				
95	54.8	55.0	55.2	55.4	55.7	56.0	56.3	56.5	56.7	56.9	57.1	57.3	57.5	57.5	57.4				
100	69.3	69.6	69.8	70.0	70.3	70.7	71.0	71.3	71.5	71.8	72.0	72.1	72.3	72.3	72.4				
105	84.6	85.0	85.4	85.8	86.2	86.5	86.8	87.0	87.3	87.5	87.7	87.9	88.1	88.3	88.5				
110	101	102	102	102	103	103	103	104	104	104	105	105	105	105	105				
115	119	120	120	121	121	121	122	122	122	123	123	123	124	124	124				
120	139	140	140	140	141	141	142	142	143	143	143	144	144	144	144				
125	159	159	159	160	161	161	162	162	162	162	163	163	164	164	164				
130	178	178	179	179	180	180	181	181	182	182	182	183	183	183	183				
135	196	197	197	198	198	199	199	200	200	200	200	201	201	201	201				
140	214	214	214	215	215	216	217	217	217	217	218	218	218	218	218				
145	230	230	230	231	231	232	232	232	233	233	233	233	234	234	234				
150	244	244	244	245	245	246	247	247	247	246	247	247	247	247	247				
155	256	256	256	257	257	257	258	258	258	258	258	259	259	259	259				
160	266	266	266	266	267	267	267	268	268	268	268	268	268	268	268				
165	274	274	274	274	274	275	275	275	275	275	275	275	276	276	276				
170	279	279	279	279	280	280	280	280	280	280	280	280	280	280	280				
175	282	282	282	282	282	282	282	282	282	282	283	283	283	283	283				
180	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-05-22

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: