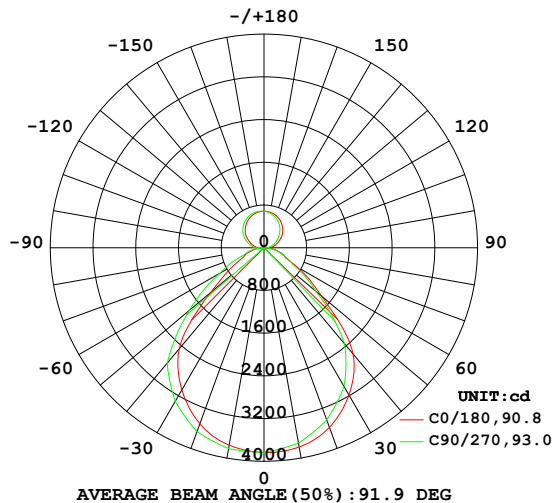


LUMINAIRE PHOTOMETRIC TEST REPORT

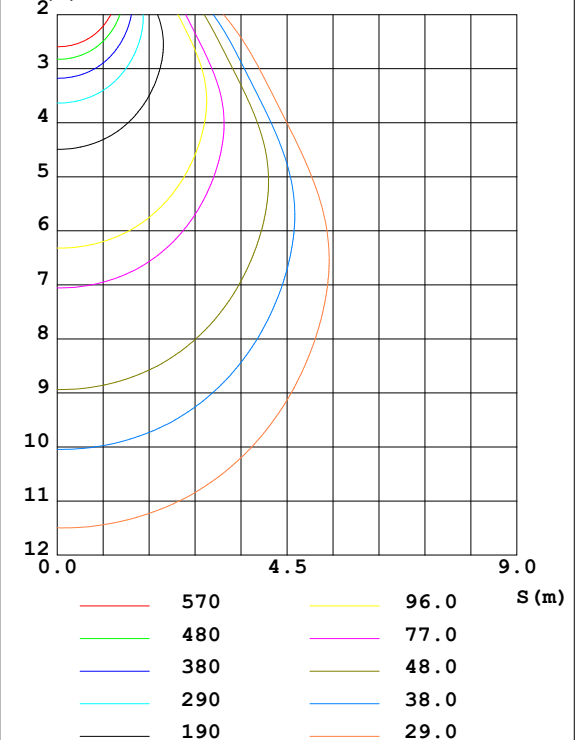
Test:U:220.6V I:0.4322A P:95.34W PF:0 Freq:0Hz Lamp Flux:10447.6x1 lm		
NAME: GAME 900-U-90W-830	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: ϕ 900mm*H45mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 900mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 109.58 lm/W			
MODEL	OSRAM-3000K	I _{max} (cd)	3835	S/MH (C0/180)	1.20
NOMINAL POWER (W)	95	LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	10448	η UP, DN (C0-180)	10.2, 36.4
NOMINAL FLUX (lm)	10447.6	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	12.3, 41.1
LAMPS INSIDE	1	η up (%)	22.5	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220.0	η down (%)	77.5	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: 2020-03-05

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:

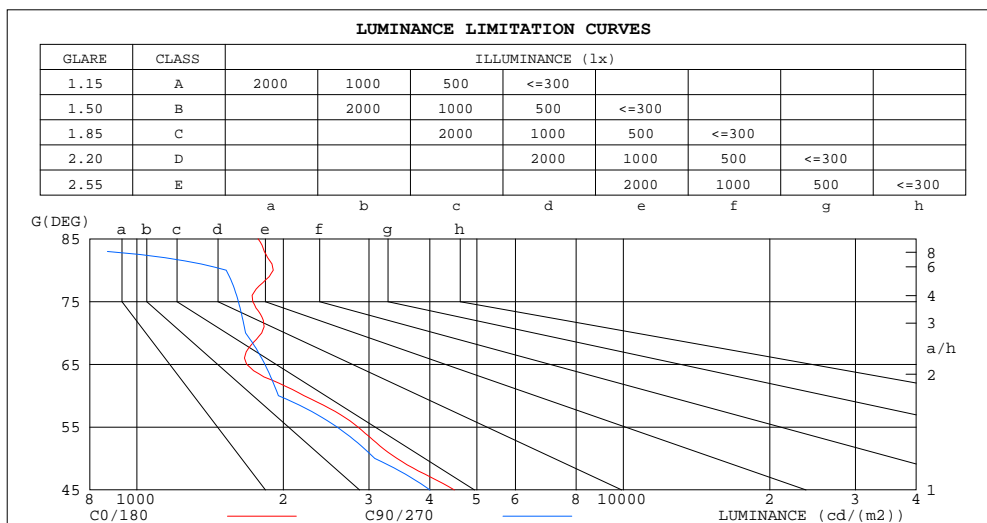
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	3788	3732	3715	3705	3754	3782	3820	3804	0- 10	361.8	361.8	3.46,3.46
20	3580	3465	3432	3421	3508	3582	3665	3636	10- 20	1034	1396	13.4,13.4
30	3181	3029	2999	2997	3076	3203	3321	3292	20- 30	1543	2939	28.1,28.1
40	2593	2389	2350	2319	2469	2646	2822	2778	30- 40	1784	4722	45.2,45.2
50	1405	1137	1266	1175	1299	1586	1819	1625	40- 50	1535	6257	59.9,59.9
60	704.4	581.5	623.9	704.0	638.1	676.0	948.1	905.5	50- 60	926.9	7184	68.8,68.8
70	394.2	343.7	365.2	383.3	367.1	411.6	407.9	471.8	60- 70	529.5	7714	73.8,73.8
80	211.5	156.0	169.2	168.9	181.2	208.5	220.8	252.2	70- 80	302.5	8016	76.7,76.7
90	114.1	70.23	63.77	84.16	111.2	141.5	167.7	149.5	80- 90	78.20	8094	77.5,77.5
100	188.8	131.7	118.1	151.1	185.6	225.3	249.2	231.7	90-100	160.5	8255	79.79
110	271.1	213.1	201.3	233.4	272.4	317.6	341.1	321.8	100-110	240.3	8495	81.3,81.3
120	367.1	296.8	282.6	311.2	367.6	411.1	434.8	414.3	110-120	313.0	8808	84.3,84.3
130	458.4	403.5	369.0	411.1	459.5	497.8	519.2	498.6	120-130	364.0	9172	87.8,87.8
140	534.4	487.2	466.4	496.6	532.8	571.8	588.8	571.2	130-140	380.6	9553	91.4,91.4
150	599.4	564.3	549.2	571.9	598.6	628.7	641.1	627.3	140-150	354.7	9907	94.8,94.8
160	647.2	623.7	613.1	629.3	646.7	666.8	674.9	665.1	150-160	287.9	10195	97.6,97.6
170	676.5	665.3	659.9	667.2	676.2	685.9	690.0	684.8	160-170	187.3	10383	99.4,99.4
180	686.0	686.0	686.0	686.0	686.0	686.0	686.0	686.0	170-180	65.00	10448	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:2020-03-05

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:220.6V I:0.4322A P:95.34W PF:0 Freq:0Hz Lamp Flux:10447.6x1 lm		
NAME: GAME 900-U-90W-830	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: $\phi 900\text{mm} \times \text{H}45\text{mm}$	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: $\phi 900\text{mm}$	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1775	0
80	1907	1526
75	1731	1617
70	1805	1672
65	1682	1833
60	2206	1954
55	2848	2580
50	3424	3083
45	4492	4004

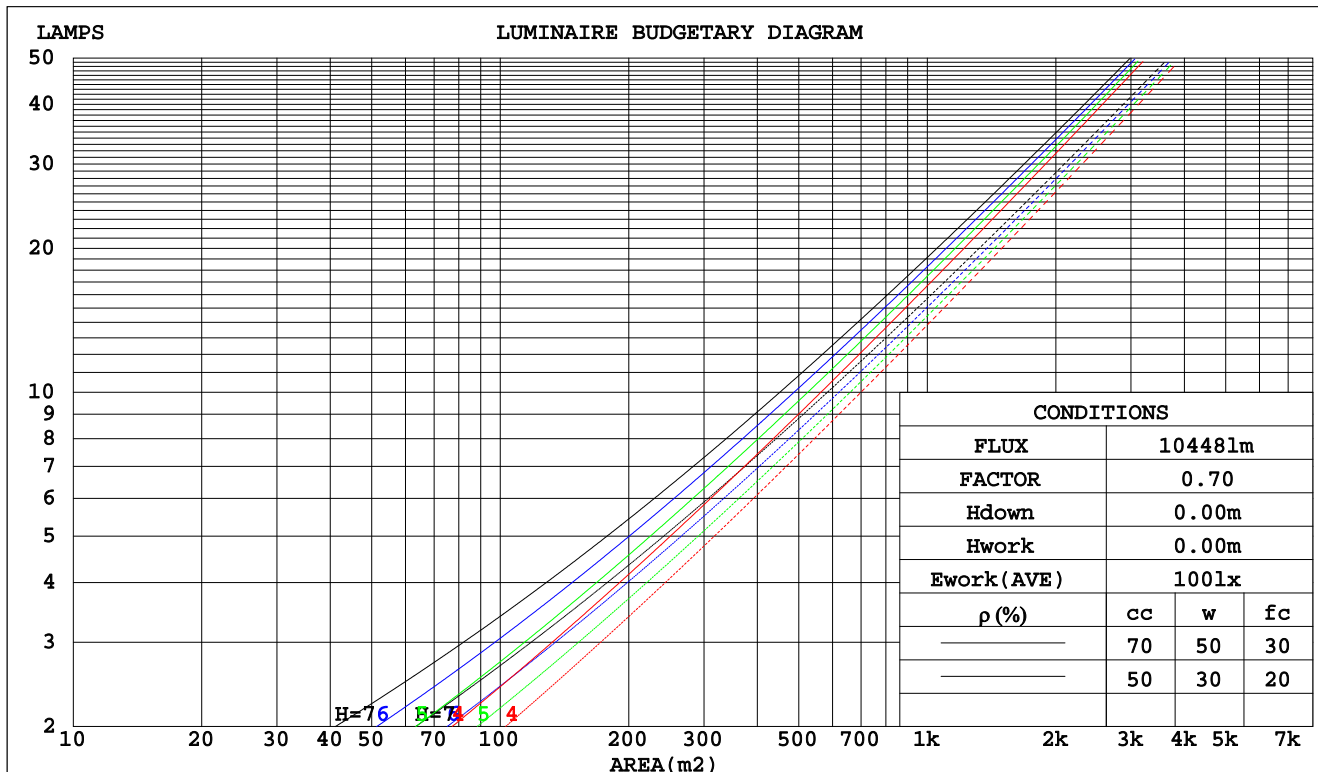
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-03-05

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:220.6V I:0.4322A P:95.34W PF:0 Freq:0Hz Lamp Flux:10447.6x1 lm		
NAME: GAME 900-U-90W-830	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: φ900mm*H45mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:φ900mm	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	1.14	1.14	1.14	1.08	1.08	1.08	.99	.99	.99	.90	.90	.90	.81	.81	.81	.77
1.0	1.01	.97	.94	.97	.93	.91	.88	.86	.84	.81	.79	.77	.74	.72	.71	.68
2.0	.90	.84	.79	.86	.81	.76	.79	.75	.71	.72	.69	.66	.66	.64	.62	.59
3.0	.80	.73	.67	.77	.70	.65	.71	.66	.61	.65	.61	.58	.60	.57	.54	.51
4.0	.72	.64	.58	.69	.62	.57	.64	.58	.54	.59	.54	.51	.54	.51	.48	.45
5.0	.65	.57	.51	.62	.55	.50	.58	.52	.47	.54	.49	.45	.50	.46	.42	.40
6.0	.59	.51	.45	.57	.49	.44	.53	.46	.42	.49	.44	.40	.45	.41	.38	.35
7.0	.53	.46	.40	.52	.44	.39	.48	.42	.37	.45	.40	.36	.42	.37	.34	.32
8.0	.49	.41	.36	.47	.40	.35	.44	.38	.34	.41	.36	.32	.39	.34	.31	.29
9.0	.45	.38	.32	.44	.37	.32	.41	.35	.31	.38	.33	.29	.36	.31	.28	.26
10.0	.42	.34	.30	.40	.34	.29	.38	.32	.28	.35	.30	.27	.33	.29	.26	.24



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-03-05

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:220.6V I:0.4322A P:95.34W PF:0 Freq:0Hz Lamp Flux:10447.6x1 lm		
NAME: GAME 900-U-90W-830	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: φ900mm*H45mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:φ900mm	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	.260	.148	.047	.246	.140	.045	.220	.126	.040	.196	.113	.036	.175	.101	.033		
2.0	.246	.135	.041	.234	.129	.040	.211	.117	.036	.189	.106	.033	.170	.096	.030		
3.0	.231	.123	.037	.219	.118	.035	.199	.108	.033	.179	.098	.030	.161	.089	.028		
4.0	.215	.112	.033	.205	.107	.032	.186	.099	.030	.169	.091	.027	.152	.083	.025		
5.0	.202	.103	.030	.192	.099	.029	.175	.091	.027	.159	.084	.025	.144	.077	.023		
6.0	.189	.095	.027	.180	.091	.026	.165	.084	.025	.150	.078	.023	.136	.072	.021		
7.0	.177	.088	.025	.170	.085	.024	.155	.078	.023	.141	.072	.021	.129	.067	.020		
8.0	.167	.082	.023	.160	.079	.022	.146	.073	.021	.134	.068	.020	.122	.063	.018		
9.0	.157	.076	.021	.151	.074	.021	.138	.068	.019	.127	.064	.018	.116	.059	.017		
10.0	.149	.071	.020	.143	.069	.019	.131	.064	.018	.120	.060	.017	.110	.055	.016		

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	.362	.362	.362	.309	.309	.309	.211	.211	.211	.121	.121	.121	.039	.039	.039	
1.0	.350	.330	.311	.299	.283	.268	.205	.195	.185	.118	.113	.108	.038	.036	.035	
2.0	.340	.306	.278	.292	.264	.240	.200	.182	.167	.115	.106	.098	.037	.034	.032	
3.0	.332	.289	.255	.285	.249	.221	.195	.173	.155	.113	.101	.091	.036	.033	.030	
4.0	.324	.276	.239	.278	.239	.208	.191	.166	.146	.111	.097	.087	.036	.032	.028	
5.0	.317	.266	.228	.273	.230	.198	.188	.161	.140	.109	.094	.083	.035	.031	.027	
6.0	.311	.258	.220	.267	.223	.191	.184	.156	.135	.107	.092	.080	.035	.030	.027	
7.0	.305	.251	.214	.262	.218	.186	.181	.153	.132	.105	.090	.079	.034	.029	.026	
8.0	.299	.246	.209	.257	.213	.182	.178	.150	.129	.104	.088	.077	.034	.029	.025	
9.0	.294	.241	.205	.253	.209	.179	.175	.147	.127	.102	.087	.076	.033	.028	.025	
10.0	.289	.237	.202	.249	.206	.177	.173	.145	.125	.101	.086	.075	.033	.028	.025	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-03-05

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:0.4322A P:95.34W PF:0 Freq:0Hz Lamp Flux:10447.6x1 lm											
NAME: GAME 900-U-90W-830					TYPE:Ceiling light			WEIGHT:			
SPEC.:3000K					DIM.: \varnothing 900mm*H45mm			SERIAL No.:			
MFR.: NEKO LIGHTING AG					SUR.: \varnothing 900mm			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	2H	5.9	7.0	6.5	7.5	8.1	5.7	6.8	6.2	7.3	7.9
	3H	6.6	7.6	7.1	8.1	8.8	6.4	7.4	7.0	8.0	8.6
	4H	6.9	7.8	7.5	8.4	9.1	6.7	7.7	7.3	8.3	8.9
	6H	7.2	8.1	7.8	8.7	9.4	7.0	7.9	7.6	8.5	9.2
	8H	7.3	8.2	7.9	8.8	9.5	7.1	7.9	7.7	8.5	9.2
	12H	7.4	8.2	8.0	8.8	9.5	7.0	7.8	7.7	8.4	9.2
4H	2H	6.0	6.9	6.6	7.5	8.2	5.8	6.7	6.4	7.3	8.0
	3H	6.8	7.6	7.5	8.2	9.0	6.7	7.5	7.3	8.1	8.8
	4H	7.3	8.0	7.9	8.7	9.4	7.1	7.9	7.8	8.5	9.3
	6H	7.7	8.4	8.4	9.0	9.8	7.6	8.2	8.3	8.9	9.7
	8H	7.9	8.5	8.6	9.2	10.0	7.7	8.2	8.4	8.9	9.8
	12H	8.0	8.5	8.7	9.2	10.1	7.6	8.1	8.3	8.9	9.7
8H	4H	7.3	7.9	8.0	8.6	9.4	7.2	7.8	7.9	8.5	9.3
	6H	7.9	8.4	8.7	9.1	10.0	7.8	8.2	8.5	9.0	9.8
	8H	8.1	8.6	8.9	9.3	10.2	7.9	8.3	8.7	9.1	10.0
	12H	8.3	8.7	9.1	9.4	10.3	7.9	8.2	8.7	9.0	9.9
12H	4H	7.3	7.8	8.0	8.5	9.4	7.2	7.7	7.9	8.4	9.3
	6H	7.9	8.3	8.7	9.1	10.0	7.8	8.2	8.5	8.9	9.8
	8H	8.2	8.5	9.0	9.3	10.2	7.9	8.3	8.7	9.1	10.0
Variations with the observer position at spacings:											
S = 1.0H	+ 0.5 / - 0.6					+ 0.5 / - 0.6					
1.5H	+ 0.4 / - 0.4					+ 0.4 / - 0.4					
2.0H	+ 1.6 / - 1.1					+ 1.1 / - 0.9					

CIE Pub.117, 10448 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 8.2$)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-03-05

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:220.6V I:0.4322A P:95.34W PF:0 Freq:0Hz Lamp Flux:10447.6x1 lm		
NAME: GAME 900-U-90W-830	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: \varnothing 900mm*H45mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: \varnothing 900mm	Shielding Angle:

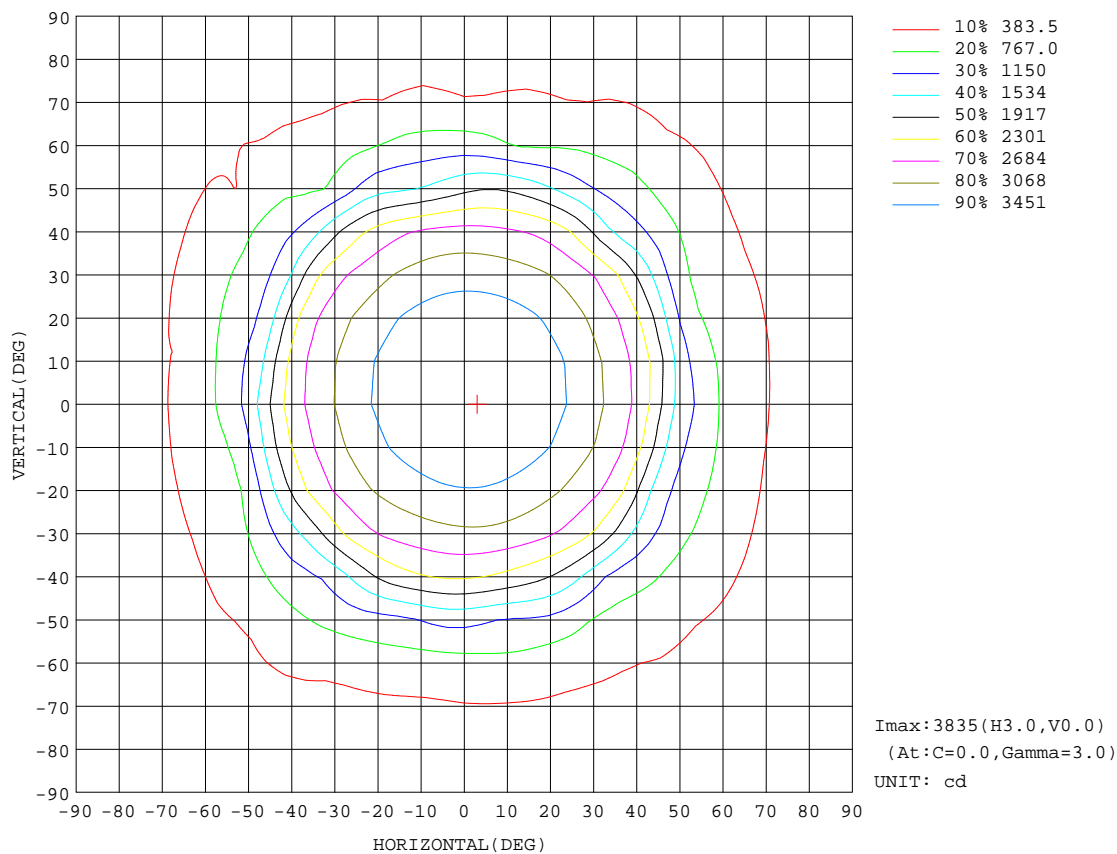
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	47	41	56	46	41	54	45	40	33
0.80	67	57	50	65	56	50	62	54	48	41
1.00	75	65	58	72	63	57	68	62	55	47
1.25	81	72	65	79	70	64	74	67	62	52
1.50	86	77	71	83	75	69	77	71	66	56
2.00	92	84	78	89	82	76	82	77	72	61
2.50	95	88	83	92	85	80	85	80	76	63
3.00	98	92	87	94	89	84	87	83	79	65
4.00	102	97	92	98	93	89	90	86	83	68
5.00	104	100	96	100	96	92	91	88	86	70
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:2020-03-05

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:220.6V I:0.4322A P:95.34W PF:0 Freq:0Hz Lamp Flux:10447.6x1 lm		
NAME: GAME 900-U-90W-830	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: ϕ 900mm*H45mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 900mm	Shielding Angle:

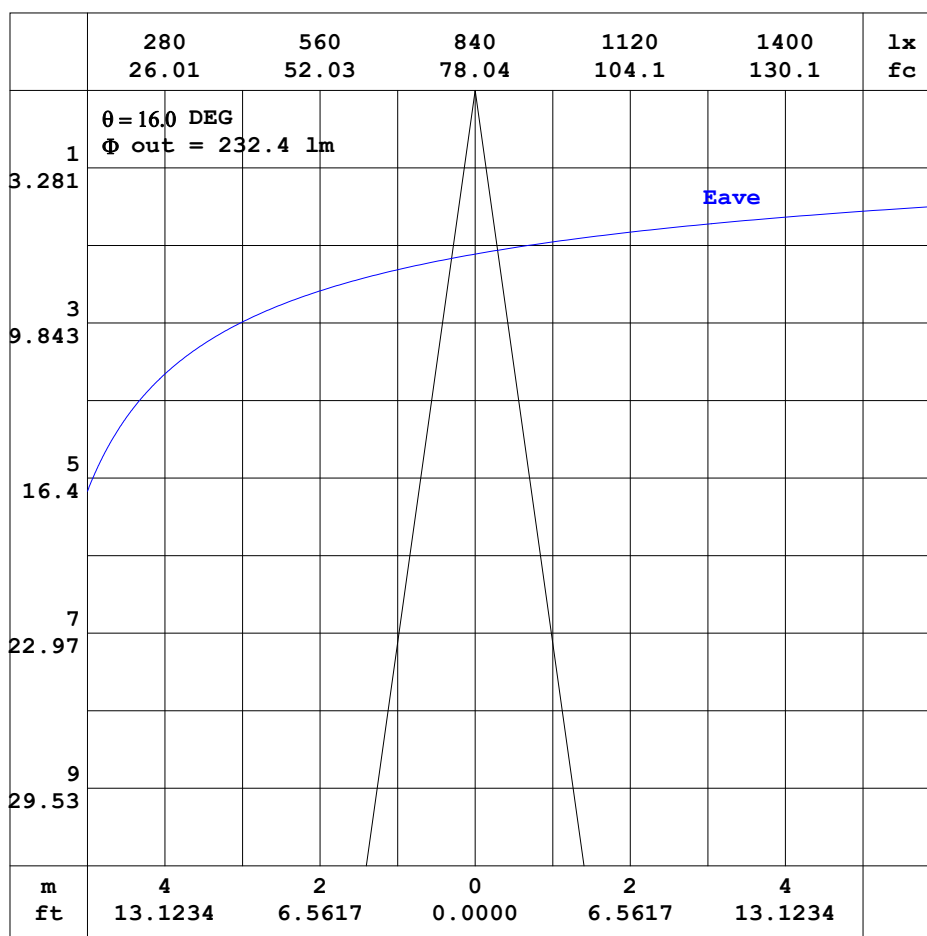


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-03-05

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:220.6V I:0.4322A P:95.34W PF:0 Freq:0Hz Lamp Flux:10447.6x1 lm		
NAME: GAME 900-U-90W-830	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: ϕ 900mm*H45mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 900mm	Shielding Angle:



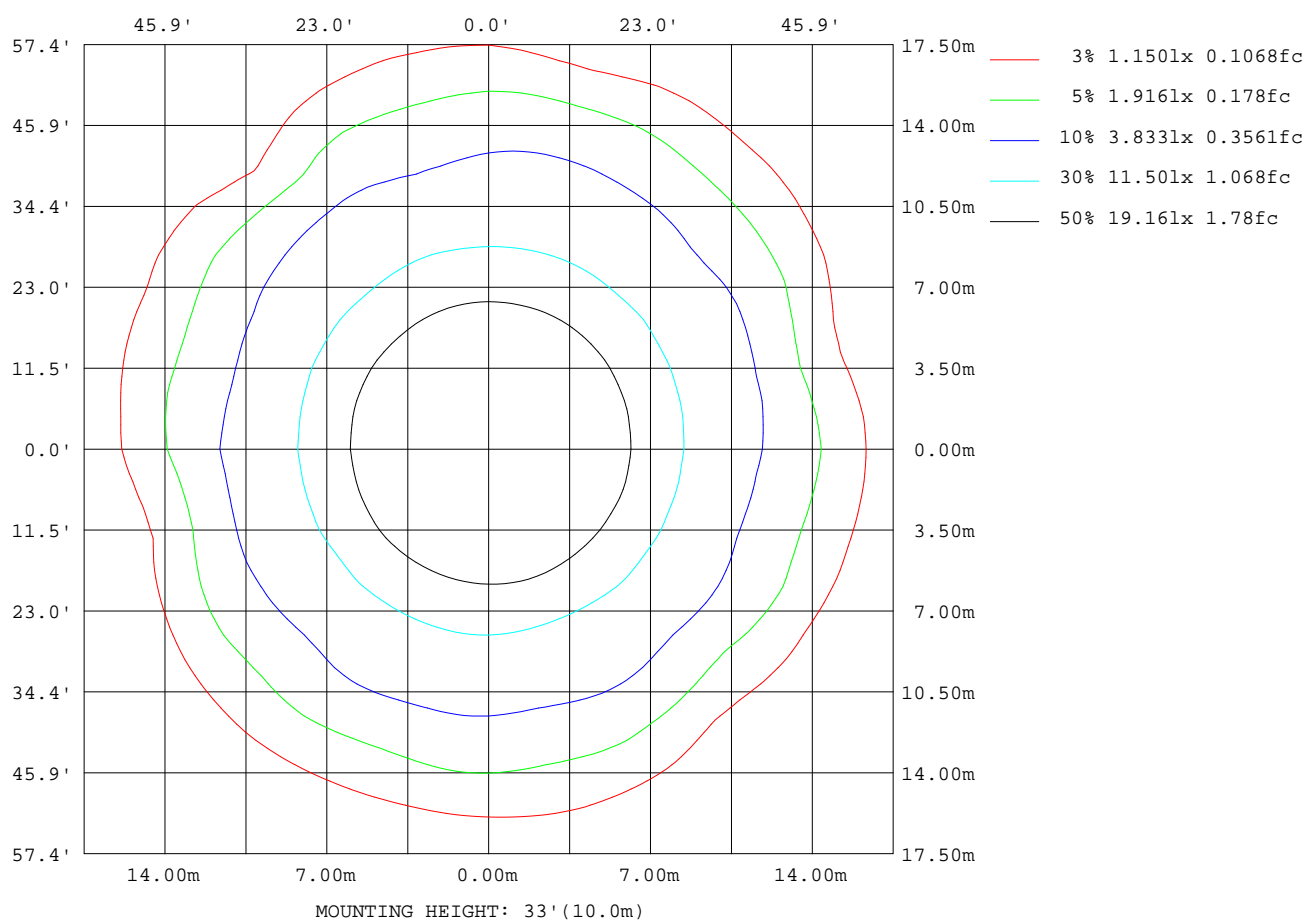
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-03-05

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:220.6V I:0.4322A P:95.34W PF:0 Freq:0Hz Lamp Flux:10447.6x1 lm		
NAME: GAME 900-U-90W-830	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: ϕ 900mm*H45mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 900mm	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2020-03-05

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:0.4322A P:95.34W PF:0 Freq:0Hz Lamp Flux:10447.6x1 lm		
NAME: GAME 900-U-90W-830	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: ϕ 900mm*H45mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.: ϕ 900mm	Shielding Angle:

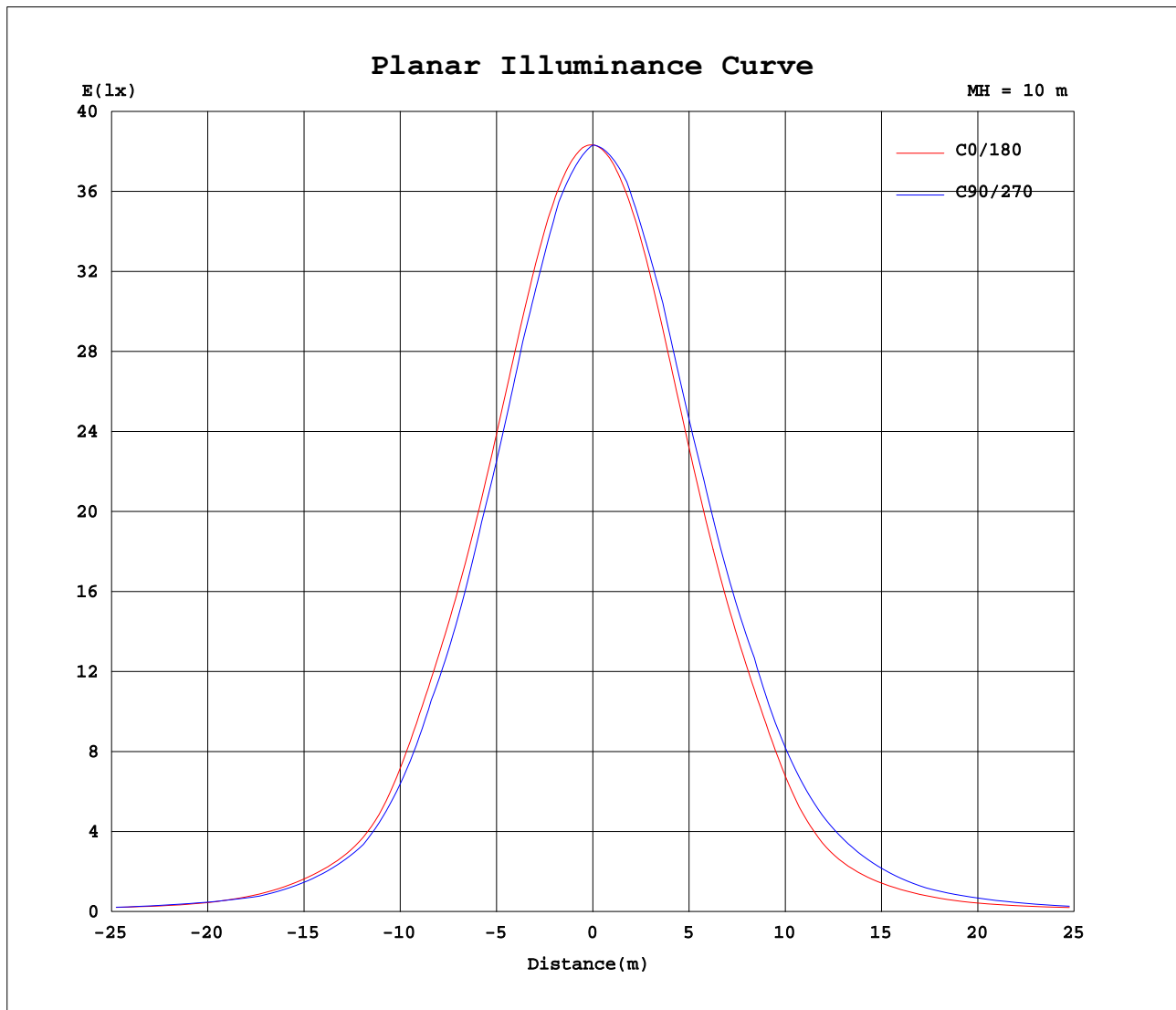
AvgL	cd/m2
L_0~180 (65) av	1652
L_0~180 (75) av	1642
L_0~180 (85) av	1607
L_90~270 (65) av	2173
L_90~270 (75) av	1759
L_90~270 (85) av	0
L_45 (65) av	2026
L_45 (75) av	1791
L_45 (85) av	1029

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-03-05

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: 2020-03-05

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:0.4322A P:95.34W PF:0 Freq:0Hz Lamp Flux:10447.6x1 lm																	
NAME: GAME 900-U-90W-830									TYPE:Ceiling light						WEIGHT:		
SPEC.:3000K									DIM.: φ900mm*H45mm						SERIAL No.:		
MFR.: NEKO LIGHTING AG									SUR.:φ900mm						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	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833
5	3827	3822	3817	3812	3808	3804	3800	3797	3793	3791	3788	3786	3783	3781	3779	3777	3776	3774	3774
10	3788	3778	3769	3760	3753	3747	3741	3737	3734	3732	3729	3726	3723	3722	3721	3719	3718	3716	3715
15	3709	3693	3679	3668	3660	3654	3651	3648	3648	3637	3624	3613	3605	3597	3589	3585	3580	3577	3574
20	3580	3558	3541	3529	3522	3519	3514	3494	3478	3465	3456	3450	3445	3444	3441	3441	3438	3436	3432
25	3402	3376	3358	3349	3346	3330	3305	3288	3277	3270	3268	3258	3249	3242	3238	3232	3227	3221	3216
30	3181	3155	3140	3136	3120	3089	3067	3055	3047	3029	3018	3012	3011	3012	3013	3013	3012	3006	2999
35	2925	2894	2882	2881	2839	2815	2804	2772	2750	2744	2747	2754	2718	2690	2673	2666	2667	2671	2675
40	2593	2539	2522	2480	2440	2449	2409	2384	2392	2389	2332	2298	2278	2266	2268	2281	2303	2329	2350
45	2028	1927	1892	1822	1792	1819	1833	1859	1821	1778	1769	1787	1808	1804	1781	1759	1756	1779	1808
50	1405	1322	1268	1235	1226	1271	1288	1258	1196	1137	1217	1287	1325	1322	1277	1219	1195	1223	1266
55	1043	1006	969	939	937	954	921	869	825	804	814	839	894	931	932	923	919	931	945
60	704	704	704	694	683	640	621	643	624	581	583	617	638	640	652	677	678	650	624
65	454	456	500	531	494	447	449	456	471	455	450	461	458	457	481	513	522	510	495
70	394	383	382	380	375	368	354	359	358	344	339	344	351	361	370	373	372	371	365
75	286	290	272	254	258	268	260	256	249	252	244	240	250	263	274	274	272	273	267
80	211	184	177	169	176	177	170	160	152	156	155	155	160	165	179	181	174	177	169
85	98.8	71.9	74.7	72.7	69.8	66.7	64.1	59.0	50.1	41.7	34.0	27.3	21.0	15.0	10.6	6.13	2.63	0.67	0.00
90	114	117	118	115	108	98.9	89.5	82.2	75.7	70.2	66.5	63.8	62.0	60.6	0.00	0.00	60.6	62.0	63.8
95	149	152	153	150	143	135	125	116	107	99.4	93.7	89.2	85.6	82.5	80.2	78.9	78.7	79.4	81.1
100	189	192	193	190	182	172	161	151	141	132	126	122	119	116	114	114	114	116	118
105	230	235	236	233	225	213	201	191	182	174	168	164	161	157	154	152	153	154	156
110	271	277	279	277	267	255	242	231	221	213	209	206	205	202	200	199	199	200	201
115	320	326	327	325	315	303	289	276	263	253	249	247	247	244	242	240	239	239	240
120	367	372	372	370	362	351	338	323	309	297	292	289	288	285	283	281	281	281	283
125	414	418	419	416	409	399	387	374	361	349	341	336	332	328	326	325	324	324	326
130	458	463	464	461	454	445	434	424	413	404	396	389	384	378	374	370	369	368	369
135	497	502	504	503	497	489	479	467	457	447	443	439	437	430	424	419	417	417	419
140	534	540	542	541	536	528	519	508	497	487	482	478	475	472	469	466	465	465	466
145	569	574	576	575	571	564	556	546	536	528	523	520	517	514	512	510	509	509	510
150	599	604	606	606	602	595	588	580	572	564	560	557	555	552	550	549	548	549	549
155	625	630	632	631	628	623	616	609	602	596	593	590	588	586	584	583	583	583	583
160	647	651	652	652	650	645	640	635	629	624	621	619	617	616	614	613	613	613	613
165	664	667	668	668	666	663	659	655	651	647	645	643	642	641	640	639	638	638	638
170	676	678	679	679	677	676	673	671	668	665	664	663	662	661	661	660	660	660	660
175	684	684	685	685	684	683	682	681	680	678	678	677	677	677	676	676	676	676	676
180	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-03-05

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:0.4322A P:95.34W PF:0 Freq:0Hz Lamp Flux:10447.6x1 lm		
NAME: GAME 900-U-90W-830	TYPE:Ceiling light	WEIGHT:
SPEC.:3000K	DIM.: φ900mm*H45mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:φ900mm	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	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833
5	3773	3773	3773	3773	3773	3774	3775	3776	3777	3779	3782	3785	3788	3792	3796	3801	3805	3811	3810
10	3713	3712	3710	3709	3707	3706	3705	3705	3705	3705	3706	3708	3712	3718	3725	3733	3743	3754	3753
15	3572	3571	3570	3572	3574	3576	3580	3587	3596	3603	3601	3602	3604	3609	3617	3628	3642	3659	3657
20	3430	3426	3423	3419	3415	3413	3413	3416	3421	3429	3439	3452	3453	3453	3458	3469	3486	3508	3506
25	3211	3207	3205	3204	3206	3213	3224	3234	3231	3230	3233	3239	3251	3258	3258	3267	3285	3311	3310
30	2990	2980	2974	2969	2969	2972	2979	2986	2997	3014	3010	3004	3007	3017	3023	3027	3045	3076	3077
35	2674	2670	2666	2668	2678	2698	2726	2717	2706	2701	2715	2744	2728	2727	2745	2748	2766	2802	2806
40	2358	2351	2339	2329	2319	2303	2290	2295	2319	2294	2279	2318	2382	2361	2375	2399	2417	2469	2457
45	1821	1817	1814	1830	1850	1834	1769	1726	1720	1726	1726	1764	1821	1838	1824	1846	1854	1917	1860
50	1279	1258	1237	1252	1299	1326	1303	1240	1175	1226	1269	1278	1280	1229	1173	1167	1204	1299	1274
55	943	921	898	891	905	930	952	944	924	930	945	921	872	803	730	747	809	914	951
60	613	613	630	647	652	662	679	703	704	682	656	635	615	607	577	593	620	638	636
65	479	469	475	478	464	445	440	495	522	486	429	444	459	456	455	463	462	438	409
70	349	338	340	346	348	350	354	372	383	373	353	340	332	312	308	331	354	367	375
75	254	244	238	241	249	259	262	261	268	267	257	236	218	206	212	220	240	257	266
80	160	152	141	143	156	165	173	171	169	168	158	150	133	123	118	113	128	181	202
85	0.61	2.29	4.71	8.40	14.3	21.6	30.9	38.9	46.0	55.7	57.4	57.9	56.2	51.6	50.0	52.4	53.2	80.0	88.8
90	65.4	67.3	0.00	0.00	74.6	77.2	79.8	82.1	84.2	85.2	86.5	88.3	92.2	96.8	101	106	109	111	108
95	84.0	87.6	92.0	97.2	103	108	112	115	118	121	124	127	129	132	134	138	142	144	142
100	121	124	127	131	135	139	143	147	151	155	159	162	166	170	174	179	183	186	183
105	158	160	163	168	172	177	182	187	192	196	199	202	207	212	216	221	226	228	225
110	203	206	209	213	217	221	226	230	233	236	239	243	248	254	260	266	270	272	269
115	242	246	249	254	259	263	265	267	270	274	279	285	292	299	305	310	314	315	311
120	285	288	291	295	298	302	305	308	311	318	325	332	337	343	348	356	363	368	364
125	328	331	334	337	341	345	349	354	359	366	373	380	386	392	398	406	413	418	413
130	371	375	379	385	391	397	402	407	411	416	421	426	431	435	440	448	455	460	457
135	421	425	429	435	442	448	450	451	453	458	464	470	474	478	482	488	494	498	495
140	468	470	473	477	482	487	490	493	497	501	507	512	515	519	522	527	530	533	530
145	511	513	515	518	521	525	528	532	536	540	545	550	553	556	559	563	566	568	565
150	550	551	553	556	559	562	565	568	572	576	580	583	586	589	591	594	597	599	596
155	584	585	587	589	592	595	598	600	603	606	609	612	614	616	618	621	623	625	623
160	614	615	616	618	620	623	625	627	629	632	634	636	638	639	641	643	645	647	646
165	639	640	641	642	644	646	647	649	650	652	654	655	657	658	659	661	663	664	663
170	660	661	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	676
175	676	676	677	677	677	678	678	679	679	680	680	681	681	682	682	683	683	684	683
180	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-03-05

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:0.4322A P:95.34W PF:0 Freq:0Hz Lamp Flux:10447.6x1 lm																		
NAME: GAME 900-U-90W-830									TYPE:Ceiling light					WEIGHT:				
SPEC.:3000K									DIM.: φ900mm*H45mm					SERIAL No.:				
MFR.: NEKO LIGHTING AG									SUR.:φ900mm					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	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833
5	3810	3810	3810	3810	3811	3812	3813	3815	3816	3818	3819	3820	3822	3823	3824	3825	3826	3827	3827
10	3753	3754	3757	3760	3765	3770	3776	3782	3787	3793	3798	3803	3807	3811	3814	3817	3820	3820	3820
15	3658	3661	3668	3677	3689	3701	3715	3717	3718	3720	3724	3727	3730	3734	3737	3740	3743	3744	3746
20	3510	3519	3533	3551	3568	3569	3574	3582	3591	3603	3615	3627	3639	3647	3655	3662	3665	3668	3668
25	3318	3333	3356	3369	3374	3385	3400	3419	3442	3451	3456	3464	3472	3479	3485	3490	3493	3496	3498
30	3090	3116	3135	3140	3155	3178	3201	3203	3211	3224	3243	3260	3278	3295	3308	3316	3321	3321	3320
35	2828	2863	2869	2889	2920	2924	2927	2941	2962	2989	3000	3017	3031	3047	3059	3067	3071	3070	3067
40	2481	2497	2522	2577	2581	2602	2633	2646	2640	2663	2696	2730	2760	2784	2803	2817	2822	2816	2807
45	1869	1863	1922	1973	2018	2129	2159	2174	2218	2292	2323	2302	2267	2242	2245	2275	2320	2359	2378
50	1257	1233	1257	1314	1363	1464	1524	1586	1634	1671	1719	1719	1666	1630	1650	1719	1819	1903	1934
55	971	958	955	979	1024	1068	1053	1021	996	1004	1146	1239	1249	1254	1280	1330	1384	1410	1401
60	676	718	735	730	761	762	751	676	669	734	826	883	912	940	942	950	948	909	852
65	437	513	536	507	468	468	536	549	553	574	601	625	652	695	708	697	678	659	630
70	387	400	422	409	375	396	403	412	413	420	445	453	439	465	484	448	408	417	444
75	275	277	275	297	313	305	296	312	288	288	318	330	321	347	363	336	314	322	340
80	217	211	222	228	225	196	199	209	202	202	217	226	228	248	249	226	221	229	239
85	102	108	104	116	110	91.2	78.0	61.4	48.4	37.6	29.2	21.2	13.8	8.46	3.77	0.86	0.00	0.87	3.63
90	105	103	107	113	120	128	135	142	146	150	154	157	160	163	165	167	168	168	167
95	140	138	143	149	157	166	175	183	188	192	195	199	202	205	206	207	208	208	208
100	179	177	181	188	196	206	216	225	231	236	239	243	245	247	248	249	249	249	249
105	221	219	223	229	237	248	259	269	276	281	285	288	291	293	294	294	294	294	293
110	266	263	266	272	280	292	305	318	325	330	334	338	340	342	343	342	341	341	341
115	306	303	308	315	325	339	353	367	374	379	383	387	389	391	391	390	389	389	388
120	358	354	358	364	374	386	399	411	420	426	431	433	434	434	435	435	435	435	435
125	407	402	405	411	420	432	444	455	462	467	471	474	477	478	479	479	479	479	479
130	452	449	452	458	465	476	488	498	503	506	509	512	515	518	519	519	519	519	518
135	491	489	493	499	507	518	528	537	541	544	547	550	553	555	556	556	556	556	555
140	526	524	529	537	546	555	564	572	576	579	581	583	586	588	589	589	589	588	588
145	562	560	565	572	580	588	596	603	606	608	610	613	615	616	617	617	617	617	616
150	594	593	597	603	610	616	623	629	632	634	635	637	639	640	641	641	641	641	640
155	621	620	624	629	634	640	645	650	653	654	656	657	659	660	660	661	660	660	659
160	644	643	646	650	654	659	663	667	669	670	671	673	674	675	675	675	675	675	674
165	662	662	663	666	669	673	676	679	680	681	682	683	684	685	685	685	685	685	684
170	675	675	676	677	680	682	684	686	687	688	688	689	690	690	690	690	690	690	690
175	683	683	683	684	685	686	687	688	689	689	690	690	690	690	690	690	690	690	690
180	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-03-05

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:0.4322A P:95.34W PF:0 Freq:0Hz Lamp Flux:10447.6x1 lm																	
NAME: GAME 900-U-90W-830									TYPE:Ceiling light						WEIGHT:		
SPEC.:3000K									DIM.: φ900mm*H45mm						SERIAL No.:		
MFR.: NEKO LIGHTING AG									SUR.:φ900mm						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	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833	3833				
5	3827	3828	3828	3828	3828	3828	3828	3827	3827	3826	3826	3826	3826	3826	3826				
10	3820	3819	3817	3815	3811	3808	3804	3801	3798	3795	3792	3790	3788	3788	3788				
15	3747	3747	3747	3748	3750	3752	3755	3755	3746	3737	3728	3720	3714	3710	3708				
20	3664	3661	3657	3650	3645	3640	3636	3634	3634	3636	3622	3606	3593	3584	3579				
25	3498	3501	3500	3504	3506	3506	3490	3477	3466	3459	3458	3447	3424	3409	3401				
30	3316	3313	3309	3304	3300	3296	3292	3290	3270	3250	3237	3233	3216	3193	3181				
35	3066	3068	3073	3081	3090	3074	3057	3038	3025	3013	2986	2970	2970	2941	2924				
40	2797	2794	2791	2786	2773	2761	2778	2761	2721	2698	2694	2659	2649	2636	2602				
45	2382	2389	2406	2423	2390	2306	2256	2276	2330	2260	2238	2218	2178	2180	2080				
50	1923	1898	1872	1849	1813	1735	1625	1639	1693	1695	1628	1551	1486	1487	1440				
55	1381	1373	1354	1307	1263	1240	1206	1187	1184	1156	1045	956	902	959	1010				
60	824	865	919	933	920	905	906	884	840	803	735	664	662	690	713				
65	609	615	637	646	639	652	660	620	563	557	567	539	524	524	503				
70	467	462	457	469	490	494	472	429	430	426	411	389	382	398	405				
75	353	343	328	334	362	366	352	335	327	319	297	289	293	289	284				
80	243	238	228	231	249	260	252	241	218	213	205	194	192	189	202				
85	8.25	14.4	21.5	31.2	45.9	64.6	80.1	97.4	106	114	107	101	99.8	98.4	100				
90	165	163	161	158	156	153	150	147	144	141	136	132	127	123	119				
95	207	205	202	199	196	193	189	186	182	178	174	170	166	161	155				
100	249	248	246	243	240	236	232	227	222	217	214	211	207	202	196				
105	293	292	290	287	285	281	276	270	263	257	253	250	247	242	236				
110	340	338	336	333	330	326	322	315	308	301	296	291	287	282	277				
115	388	386	383	380	377	374	369	362	354	347	343	339	336	331	326				
120	434	432	430	427	423	419	414	407	400	394	390	387	383	378	373				
125	478	476	473	470	466	462	457	451	445	440	436	433	430	425	420				
130	517	514	511	508	505	502	499	494	488	483	478	474	469	465	462				
135	554	551	549	546	543	540	537	533	528	523	519	514	510	506	501				
140	586	584	582	579	577	574	571	568	564	559	555	551	547	543	539				
145	615	613	611	608	606	604	602	598	595	591	588	584	581	577	573				
150	639	637	635	633	631	629	627	625	622	619	616	613	610	606	603				
155	659	657	655	654	652	650	648	646	644	641	639	637	634	632	629				
160	673	672	671	669	668	667	665	663	661	660	658	656	654	652	650				
165	684	683	682	680	679	678	677	676	674	673	672	671	669	668	666				
170	689	688	688	687	686	686	685	684	683	682	681	680	680	679	678				
175	690	690	689	689	688	688	688	687	687	686	686	686	685	685	684				
180	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2020-03-05

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: