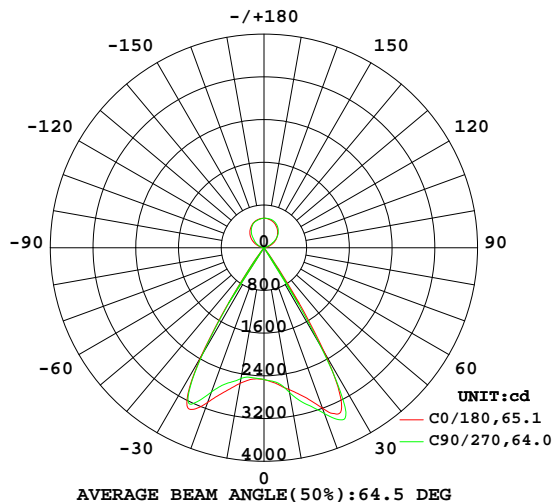


LUMINAIRE PHOTOMETRIC TEST REPORT

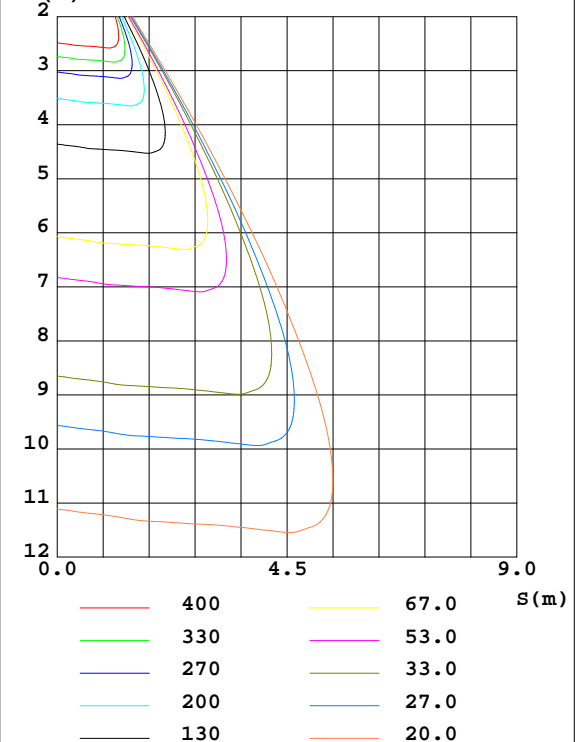
Test:U:220.4V I:0.1963A P:43.27W PF:0.9642 Freq:49.90Hz Lamp Flux:4321.23x1 lm					
NAME: GLOS 30-AL1200U-44W-930-60		TYPE:Linear Light		WEIGHT:	
SPEC.:3000K		DIM.: L1200mm*W30mm		SERIAL No.:	
MFR.: NEKO LIGHTING AG		SUR.:L1200mm*W30mm		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 99.87 lm/W
MODEL	SAMSUNG-3000K	Imax(cd)	3556	S/MH(C0/180)	0.93	
NOMINAL POWER(W)	44	LOR(%)	100.0	S/MH(C90/270)	0.92	
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	4321.2	η UP,DN(C0-180)	17.2,33.9	
NOMINAL FLUX(lm)	4321.23	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	15.8,33.2	
LAMPS INSIDE	1	η up(%)	33.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	220.0	η down(%)	67.0	CIBSE SHR MAX	0.55	

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:2021-5-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

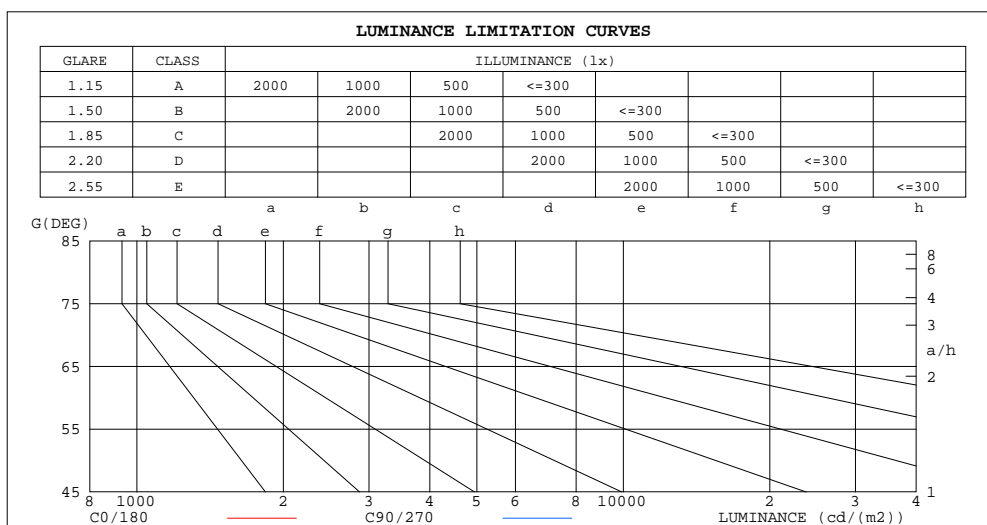
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	2695	2743	2749	2668	2578	2467	2488	2568	0- 10	242.2	242.2	5.6,5.6
20	3194	3280	3304	3285	3079	2862	2874	3072	10- 20	813.0	1055	24.4,24.4
30	2267	2181	2090	2326	2379	2389	2305	2354	20- 30	1447	2503	57.9,57.9
40	11.06	8.906	8.504	11.32	17.19	13.80	10.15	10.95	30- 40	388.6	2891	66.9,66.9
50	2.846	2.901	2.933	2.895	2.160	2.467	2.516	2.501	40- 50	3.780	2895	67,67
60	0.8122	0.8084	0.8563	0.8127	0.7159	0.8835	0.8900	0.8880	50- 60	1.469	2897	67,67
70	0.1717	0.1565	0.1410	0.1521	0.1651	0.2092	0.1688	0.2364	60- 70	0.4249	2897	67,67
80	0.1645	0.1297	0.1322	0.1299	0.1444	0.1336	0.1414	0.1674	70- 80	0.1609	2897	67,67
90	0.5106	1.607	1.938	2.167	0.5314	1.379	1.191	0.6218	80- 90	0.2502	2897	67,67
100	28.79	21.92	13.74	26.86	30.64	32.75	17.26	25.60	90-100	10.27	2908	67.3,67.3
110	119.0	89.13	53.89	109.8	126.1	91.75	82.91	81.85	100-110	56.53	2964	68.6,68.6
120	229.3	211.0	186.4	229.9	234.9	165.4	174.1	150.6	110-120	143.9	3108	71.9,71.9
130	320.7	317.1	324.3	342.3	334.0	294.2	256.4	269.6	120-130	228.1	3336	77.2,77.2
140	397.8	408.6	418.5	431.1	411.5	398.0	367.4	382.3	130-140	275.9	3612	83.6,83.6
150	462.9	483.8	488.0	496.5	471.8	471.1	456.3	460.8	140-150	275.3	3887	90,90
160	514.1	526.4	533.9	534.1	520.5	513.5	514.5	506.8	150-160	230.3	4118	95.3,95.3
170	542.6	548.0	552.3	552.3	545.7	542.7	539.9	539.9	160-170	151.1	4269	98.8,98.8
180	554.5	554.5	554.5	554.5	554.5	554.5	554.5	554.5	170-180	52.49	4321	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:2021-5-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.4V I:0.1963A P:43.27W PF:0.9642 Freq:49.90Hz Lamp Flux:4321.23x1 lm		
NAME: GLOS 30-AL1200U-44W-930-60	TYPE:Linear Light	WEIGHT:
SPEC.:3000K	DIM.: L1200mm*W30mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:L1200mm*W30mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	52	42
80	26	21
75	18	15
70	14	11
65	23	24
60	45	48
55	81	80
50	123	127
45	181	176

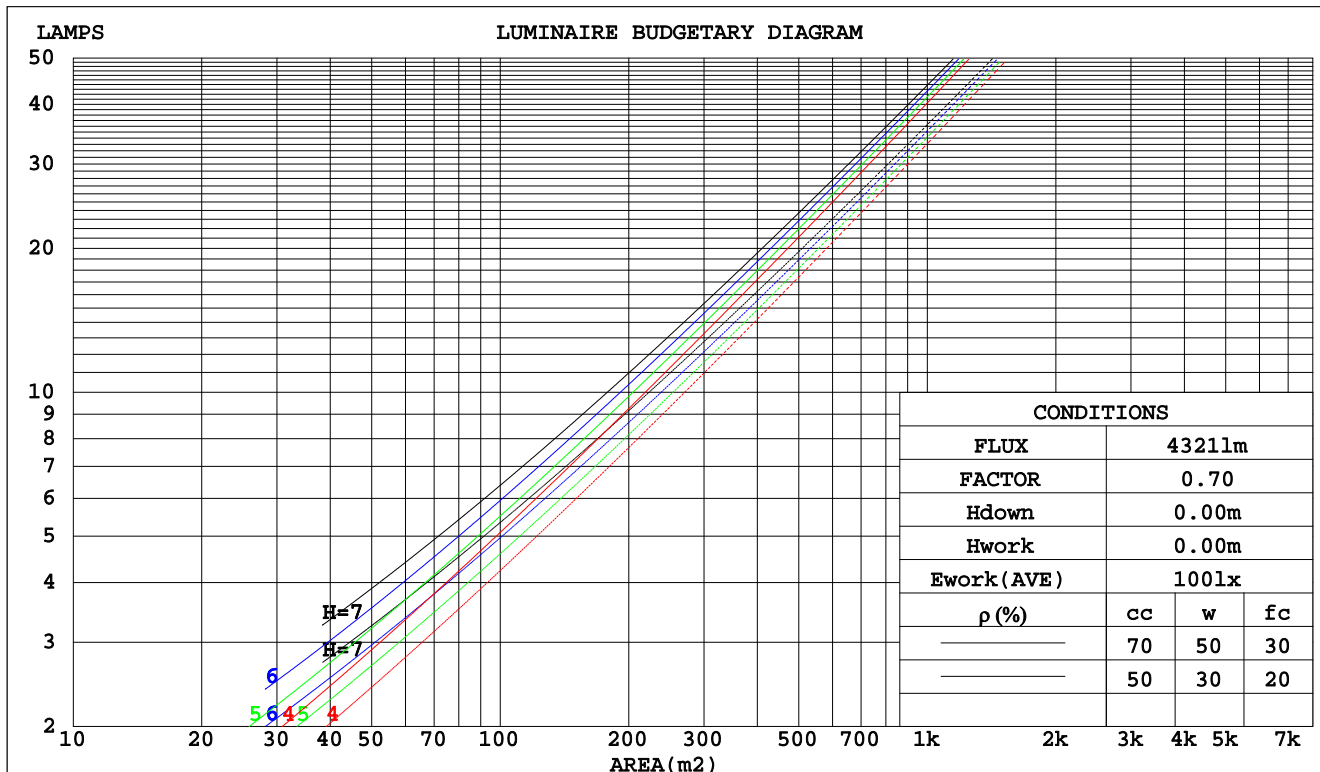
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2021-5-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.4V I:0.1963A P:43.27W PF:0.9642 Freq:49.90Hz Lamp Flux:4321.23lx 1m		
NAME: GLOS 30-AL1200U-44W-930-60	TYPE:Linear Light	WEIGHT:
SPEC.:3000K	DIM.: L1200mm*W30mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:L1200mm*W30mm	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	Coefficients of Utilization(CU)															
0.0	1.11	1.11	1.11	1.05	1.05	1.05	.93	.93	.93	.82	.82	.82	.72	.72	.72	.67
1.0	1.02	.99	.97	.96	.94	.92	.86	.85	.83	.77	.76	.75	.69	.68	.67	.63
2.0	.94	.89	.85	.89	.85	.82	.80	.78	.75	.73	.71	.69	.65	.64	.63	.59
3.0	.86	.81	.77	.82	.78	.74	.75	.72	.69	.68	.66	.64	.62	.60	.59	.56
4.0	.80	.74	.69	.76	.71	.67	.70	.66	.63	.64	.61	.59	.59	.57	.55	.52
5.0	.74	.68	.63	.71	.66	.62	.66	.61	.58	.60	.57	.55	.56	.53	.51	.49
6.0	.69	.63	.58	.66	.61	.57	.62	.57	.54	.57	.54	.51	.53	.50	.48	.46
7.0	.64	.58	.54	.62	.56	.52	.58	.53	.50	.54	.50	.48	.50	.47	.45	.43
8.0	.60	.54	.50	.58	.53	.49	.54	.50	.47	.51	.47	.44	.47	.45	.42	.41
9.0	.56	.50	.46	.55	.49	.45	.51	.47	.43	.48	.44	.42	.45	.42	.40	.38
10.0	.53	.47	.43	.51	.46	.42	.48	.44	.41	.45	.42	.39	.43	.40	.38	.36



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2021-5-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

WEC AND CCEC

Test:U:220.4V I:0.1963A P:43.27W PF:0.9642 Freq:49.90Hz Lamp Flux:4321.23x1 lm		
NAME: GLOS 30-AL1200U-44W-930-60	TYPE:Linear Light	WEIGHT:
SPEC.:3000K	DIM.: L1200mm*W30mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:L1200mm*W30mm	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	.198	.113	.036	.181	.103	.033	.150	.086	.028	.121	.070	.022	.095	.055	.018		
2.0	.186	.102	.031	.171	.094	.029	.143	.079	.025	.117	.066	.021	.093	.053	.017		
3.0	.175	.093	.028	.161	.086	.026	.136	.074	.022	.113	.062	.019	.091	.050	.016		
4.0	.165	.086	.025	.153	.080	.024	.129	.069	.021	.108	.058	.018	.088	.048	.015		
5.0	.156	.079	.023	.145	.074	.022	.124	.064	.019	.104	.055	.016	.086	.046	.014		
6.0	.148	.074	.021	.137	.069	.020	.118	.060	.018	.100	.052	.015	.083	.044	.013		
7.0	.140	.069	.020	.131	.065	.019	.113	.057	.016	.096	.049	.014	.081	.042	.012		
8.0	.133	.065	.018	.125	.061	.017	.108	.054	.015	.093	.047	.014	.078	.040	.012		
9.0	.127	.062	.017	.119	.058	.016	.104	.051	.015	.089	.045	.013	.076	.038	.011		
10.0	.122	.058	.016	.114	.055	.015	.100	.049	.014	.086	.043	.012	.073	.037	.011		

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	.442	.442	.442	.377	.377	.377	.258	.258	.258	.148	.148	.148	.047	.047	.047	
1.0	.426	.410	.396	.364	.352	.341	.249	.242	.236	.143	.140	.137	.046	.045	.044	
2.0	.413	.387	.366	.354	.333	.316	.242	.231	.220	.140	.134	.129	.045	.043	.042	
3.0	.402	.370	.344	.345	.319	.298	.237	.222	.209	.137	.129	.123	.044	.042	.040	
4.0	.393	.356	.328	.338	.308	.285	.232	.215	.201	.134	.126	.119	.043	.041	.039	
5.0	.386	.346	.317	.331	.299	.275	.228	.209	.194	.132	.123	.115	.043	.040	.038	
6.0	.379	.337	.308	.326	.292	.268	.225	.205	.190	.130	.120	.113	.042	.039	.037	
7.0	.373	.331	.301	.321	.286	.262	.222	.201	.186	.129	.118	.111	.042	.039	.037	
8.0	.368	.325	.296	.316	.282	.258	.219	.198	.183	.127	.117	.109	.041	.038	.036	
9.0	.363	.320	.291	.312	.278	.254	.217	.195	.180	.126	.115	.108	.041	.038	.036	
10.0	.358	.316	.288	.309	.274	.251	.214	.193	.179	.125	.114	.107	.041	.038	.035	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2021-5-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.4V I:0.1963A P:43.27W PF:0.9642 Freq:49.90Hz Lamp Flux:4321.23x1 lm											
NAME: GLOS 30-AL1200U-44W-930-60					TYPE:Linear Light			WEIGHT:			
SPEC.:3000K					DIM.: L1200mm*W30mm			SERIAL No.:			
MFR.: NEKO LIGHTING AG					SUR.:L1200mm*W30mm			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	3H	5.4	6.1	6.0	6.8	7.5	3.1	3.9	3.7	4.5	5.2
	4H	5.1	5.8	5.8	6.5	7.2	2.8	3.5	3.5	4.2	4.9
	6H	5.0	5.6	5.7	6.3	7.1	2.7	3.3	3.4	4.0	4.8
	8H	4.8	5.4	5.5	6.1	6.9	2.5	3.1	3.3	3.8	4.7
	8H	4.7	5.3	5.5	6.0	6.9	2.4	3.0	3.2	3.7	4.6
	12H	4.7	5.2	5.4	5.9	6.8	2.4	2.9	3.1	3.6	4.5
4H	2H	5.0	5.6	5.7	6.3	7.1	2.7	3.3	3.4	4.0	4.8
	3H	4.7	5.2	5.4	5.9	6.8	2.4	2.9	3.1	3.6	4.5
	4H	4.5	5.0	5.3	5.7	6.7	2.2	2.7	3.0	3.5	4.4
	6H	4.3	4.8	5.1	5.5	6.5	2.0	2.5	2.9	3.3	4.2
	8H	4.2	4.6	5.1	5.4	6.4	2.0	2.4	2.8	3.2	4.1
	12H	4.2	4.5	5.0	5.3	6.3	1.9	2.2	2.7	3.1	4.1
8H	4H	4.2	4.6	5.1	5.4	6.4	2.0	2.4	2.8	3.2	4.1
	6H	4.1	4.4	4.9	5.2	6.3	1.8	2.1	2.6	2.9	4.0
	8H	4.0	4.3	4.9	5.1	6.2	1.7	2.0	2.6	2.8	3.9
	12H	3.9	4.1	4.8	5.0	6.1	1.6	1.8	2.5	2.7	3.8
12H	4H	4.2	4.5	5.0	5.3	6.3	1.9	2.2	2.7	3.1	4.1
	6H	4.0	4.3	4.9	5.1	6.2	1.7	2.0	2.6	2.8	3.9
	8H	3.9	4.1	4.8	5.0	6.1	1.6	1.8	2.5	2.7	3.8
Variations with the observer position at spacings:											
S = 1.0H	+ 6.9 / -15.5					+ 5.3 / - 7.2					
1.5H	+ 9.7 / -13.3					+ 7.5 / - 5.3					
2.0H	+ 3.7 / - 3.6					+ 3.5 / - 3.9					

CIE Pub.117, 4321 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 5.1$)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2021-5-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.4V I:0.1963A P:43.27W PF:0.9642 Freq:49.90Hz Lamp Flux:4321.23x1 lm		
NAME: GLOS 30-AL1200U-44W-930-60	TYPE:Linear Light	WEIGHT:
SPEC.:3000K	DIM.: L1200mm*W30mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:L1200mm*W30mm	Shielding Angle:

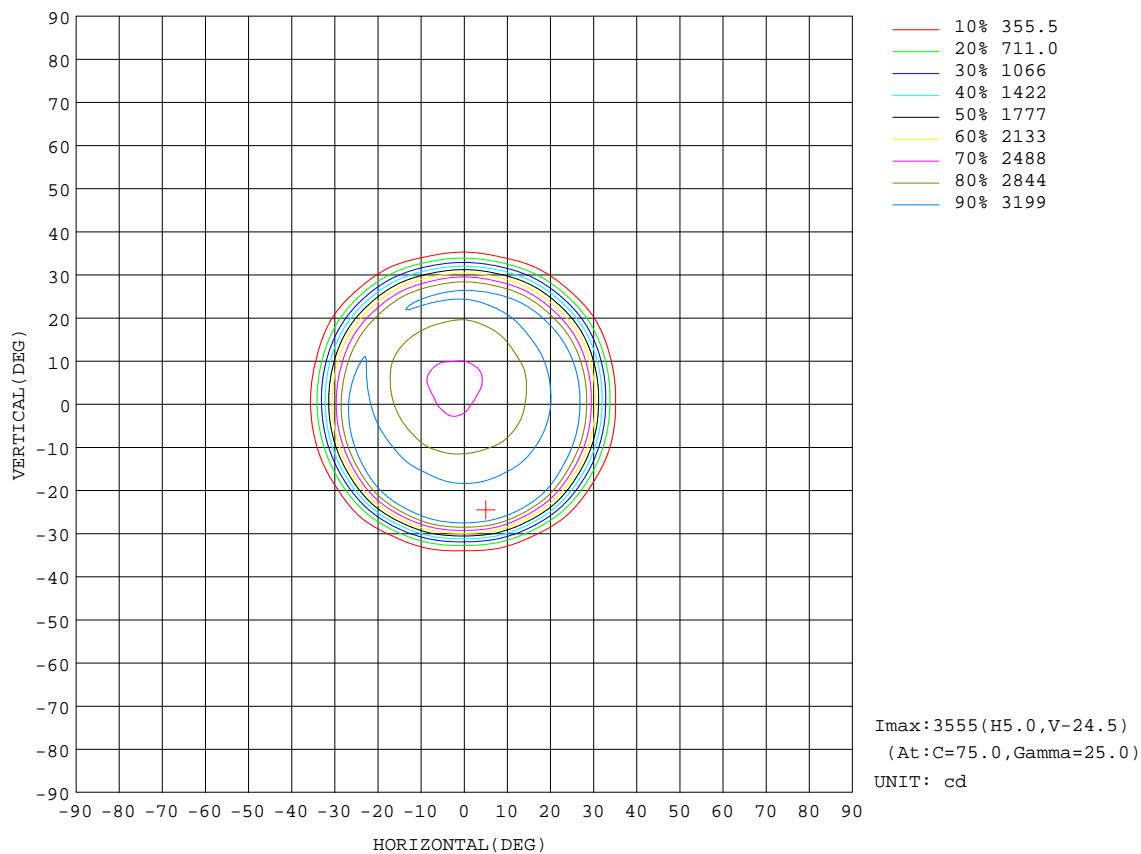
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	71	64	60	70	63	60	67	61	58	53
0.80	79	72	67	77	70	66	72	68	64	58
1.00	84	77	72	81	75	71	76	72	68	60
1.25	88	82	77	85	79	75	79	75	72	62
1.50	92	85	81	88	83	79	81	77	75	64
2.00	96	90	85	91	86	83	84	80	78	65
2.50	98	93	89	94	89	86	85	82	80	65
3.00	100	95	92	95	91	88	86	84	82	66
4.00	103	99	96	98	95	92	88	86	84	67
5.00	105	101	99	99	97	94	89	88	86	67
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2021-5-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.4V I:0.1963A P:43.27W PF:0.9642 Freq:49.90Hz Lamp Flux:4321.23x1 lm		
NAME: GLOS 30-AL1200U-44W-930-60	TYPE:Linear Light	WEIGHT:
SPEC.:3000K	DIM.: L1200mm*W30mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:L1200mm*W30mm	Shielding Angle:

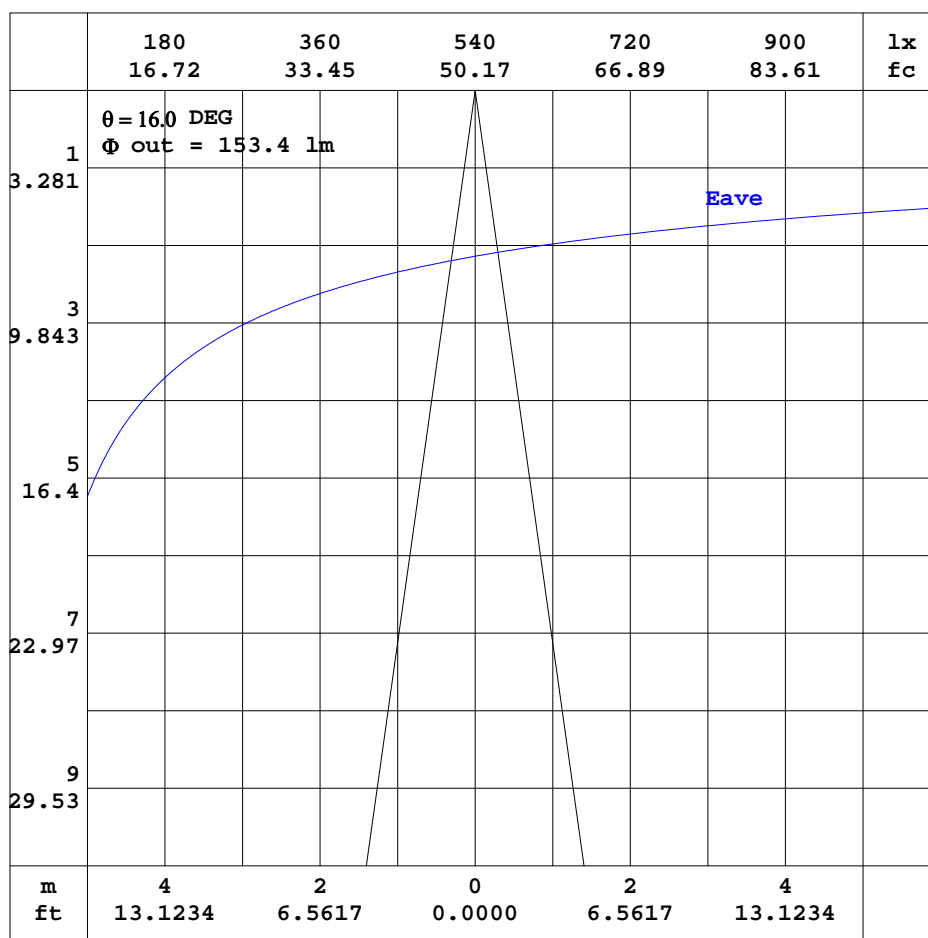


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2021-5-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

AAI CURVES

Test:U:220.4V I:0.1963A P:43.27W PF:0.9642 Freq:49.90Hz Lamp Flux:4321.23x1 lm		
NAME: GLOS 30-AL1200U-44W-930-60	TYPE:Linear Light	WEIGHT:
SPEC.:3000K	DIM.: L1200mm*W30mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:L1200mm*W30mm	Shielding Angle:



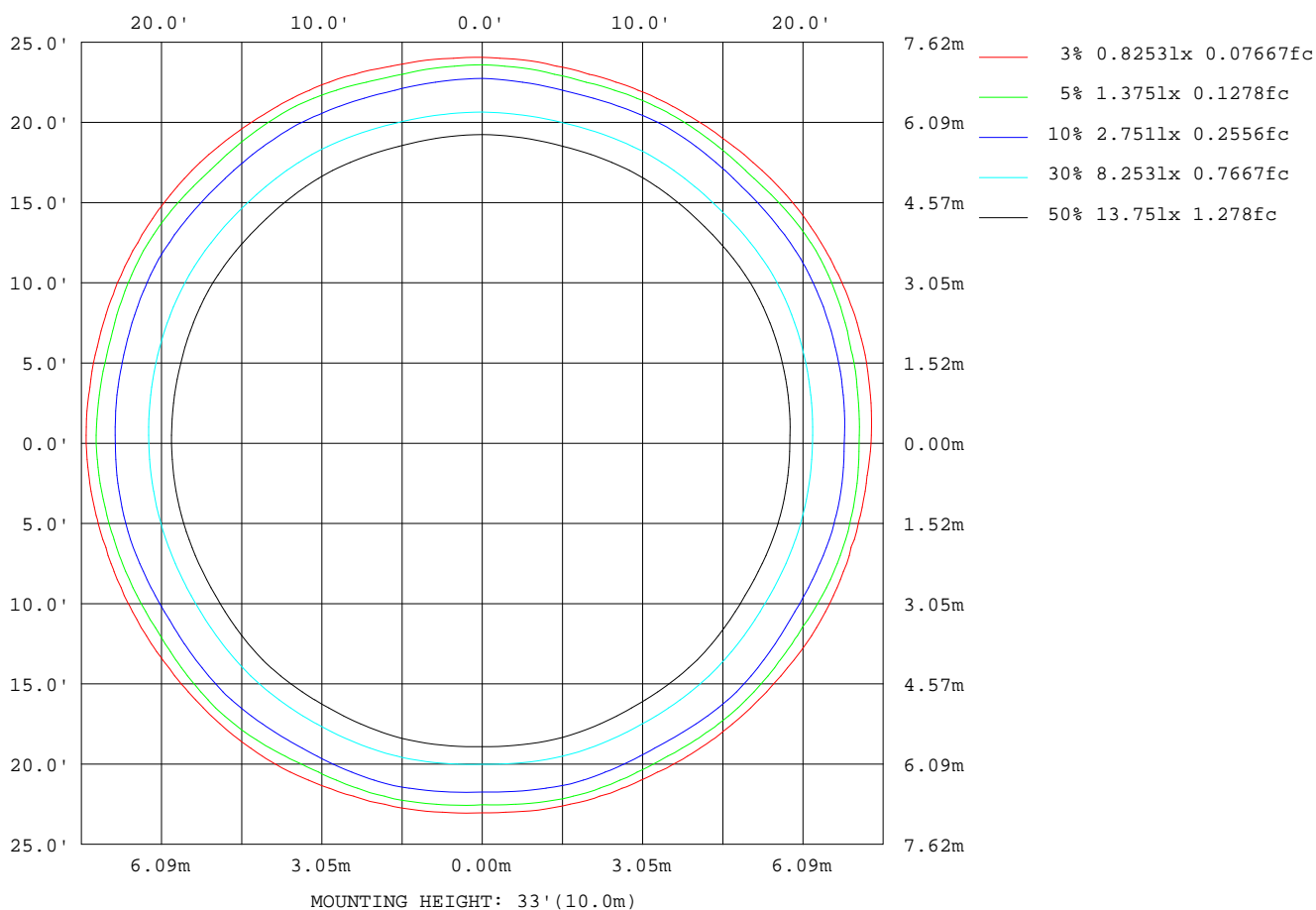
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2021-5-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

ISOLUX DIAGRAM

Test:U:220.4V I:0.1963A P:43.27W PF:0.9642 Freq:49.90Hz Lamp Flux:4321.23x1 lm		
NAME: GLOS 30-AL1200U-44W-930-60	TYPE:Linear Light	WEIGHT:
SPEC.:3000K	DIM.: L1200mm*W30mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:L1200mm*W30mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2021-5-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

LED Avg.L Report

Test:U:220.4V I:0.1963A P:43.27W PF:0.9642 Freq:49.90Hz Lamp Flux:4321.23x1 lm		
NAME: GLOS 30-AL1200U-44W-930-60	TYPE:Linear Light	WEIGHT:
SPEC.:3000K	DIM.: L1200mm*W30mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:L1200mm*W30mm	Shielding Angle:

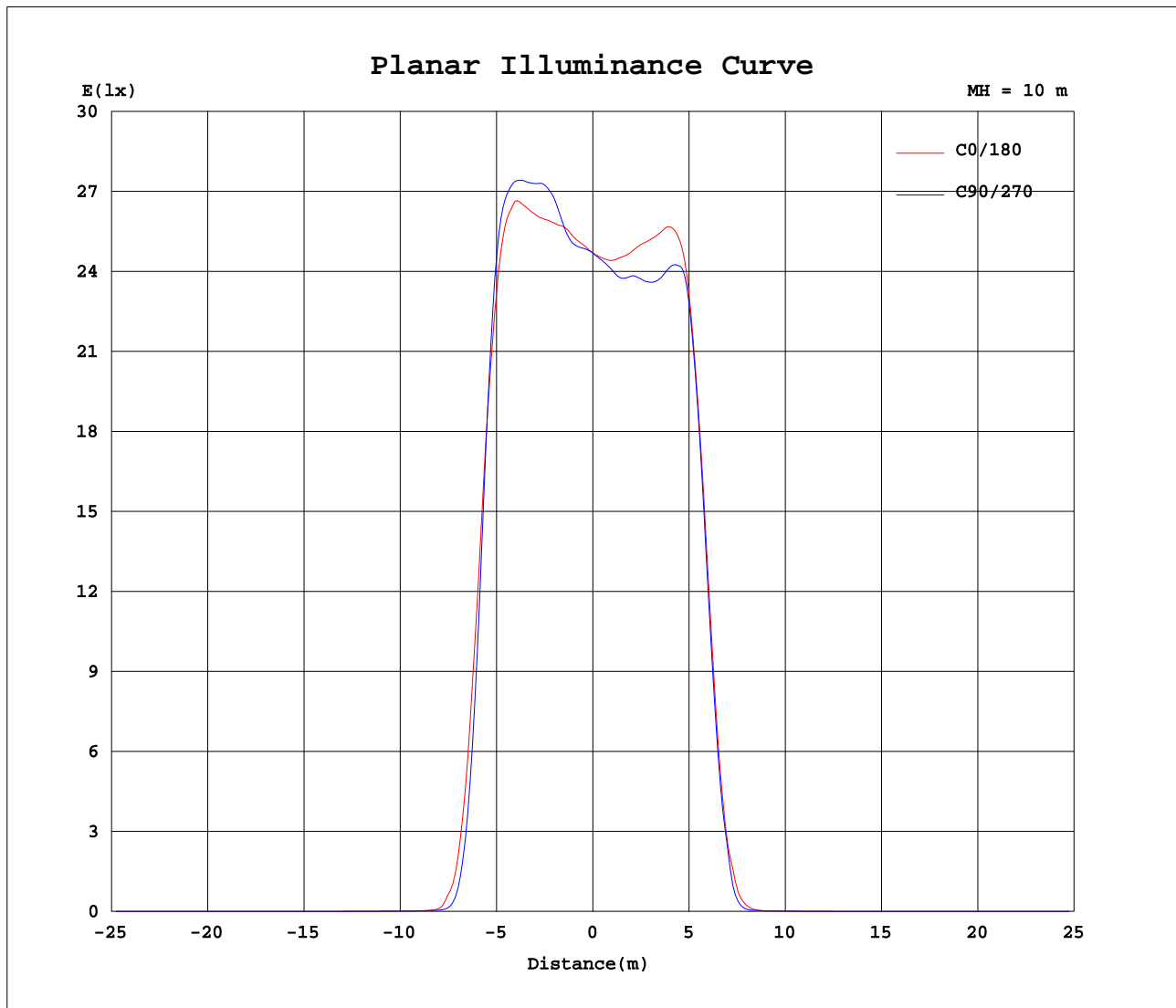
AvgL	cd/m2
L_0~180(65)av	21
L_0~180(75)av	17
L_0~180(85)av	47
L_90~270(65)av	24
L_90~270(75)av	15
L_90~270(85)av	43
L_45(65)av	27
L_45(75)av	16
L_45(85)av	43

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2021-5-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: Jason
Test Date: 2021-5-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 8.967m [K=1.1152]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.4V I:0.1963A P:43.27W PF:0.9642 Freq:49.90Hz Lamp Flux:4321.23x1 lm		
NAME: GLOS 30-AL1200U-44W-930-60	TYPE:Linear Light	WEIGHT:
SPEC.:3000K	DIM.: L1200mm*W30mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:L1200mm*W30mm	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	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470
5	2550	2554	2557	2560	2562	2564	2565	2564	2563	2561	2559	2557	2554	2549	2544	2539	2534	2530	2526
10	2695	2703	2710	2717	2723	2728	2733	2736	2739	2743	2750	2756	2762	2762	2761	2759	2757	2753	2749
15	2886	2893	2900	2909	2918	2928	2939	2948	2959	2970	2983	2997	3009	3016	3021	3024	3027	3029	3030
20	3194	3208	3221	3234	3246	3256	3265	3271	3275	3280	3291	3301	3310	3310	3307	3304	3304	3304	3304
25	3396	3379	3370	3370	3383	3403	3426	3447	3468	3488	3503	3515	3526	3539	3549	3556	3555	3551	3545
30	2267	2264	2252	2230	2186	2143	2111	2130	2157	2181	2162	2138	2117	2134	2156	2171	2142	2111	2090
35	370	382	382	368	331	289	250	240	236	233	215	197	180	177	177	178	169	161	157
40	11.1	10.6	10.2	9.85	9.49	9.17	8.94	8.89	8.89	8.91	8.81	8.71	8.62	8.61	8.61	8.62	8.56	8.52	8.50
45	4.61	4.56	4.52	4.49	4.46	4.44	4.45	4.50	4.55	4.60	4.58	4.55	4.52	4.51	4.51	4.52	4.50	4.48	4.47
50	2.85	2.81	2.79	2.78	2.79	2.81	2.84	2.86	2.88	2.90	2.92	2.93	2.94	2.93	2.92	2.92	2.92	2.93	2.93
55	1.68	1.65	1.63	1.63	1.65	1.69	1.71	1.69	1.66	1.64	1.64	1.65	1.66	1.66	1.66	1.66	1.65	1.65	1.66
60	0.81	0.79	0.77	0.77	0.80	0.83	0.86	0.85	0.83	0.81	0.82	0.84	0.86	0.85	0.85	0.84	0.85	0.85	0.86
65	0.35	0.33	0.32	0.32	0.36	0.39	0.42	0.41	0.39	0.37	0.38	0.40	0.42	0.40	0.38	0.36	0.36	0.36	0.37
70	0.17	0.17	0.17	0.17	0.18	0.19	0.20	0.19	0.17	0.16	0.16	0.17	0.18	0.18	0.17	0.17	0.16	0.15	0.14
75	0.17	0.16	0.16	0.16	0.16	0.17	0.17	0.16	0.15	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.14	0.14
80	0.16	0.16	0.15	0.15	0.16	0.16	0.16	0.15	0.14	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.13	0.13	0.13
85	0.16	0.15	0.14	0.14	0.14	0.15	0.16	0.15	0.13	0.12	0.12	0.13	0.13	0.13	0.12	0.12	0.12	0.13	0.13
90	0.51	0.78	0.97	1.09	1.10	1.06	1.01	1.06	1.12	1.61	1.22	1.25	1.29	1.38	0.00	1.90	1.61	1.65	1.94
95	7.19	8.41	9.31	9.87	10.0	9.92	9.53	8.77	7.92	7.11	6.70	6.45	6.36	6.47	6.63	6.77	6.63	6.44	6.28
100	28.8	29.0	29.0	28.8	28.5	28.0	27.2	25.7	23.9	21.9	19.6	17.5	15.6	14.6	14.1	13.8	13.7	13.6	13.7
105	69.8	68.0	66.4	64.9	64.3	63.3	61.4	56.0	50.0	44.2	41.3	39.0	36.9	33.2	29.6	26.6	25.5	25.3	25.8
110	119	120	121	120	117	114	109	103	96.1	89.1	82.6	76.4	70.6	65.2	60.5	56.9	54.6	53.6	53.9
115	176	182	185	184	179	172	164	159	155	151	144	136	129	122	116	112	110	110	111
120	229	237	241	242	238	231	224	220	215	211	206	201	196	192	189	187	185	185	186
125	279	286	291	292	290	286	281	275	270	265	263	261	260	259	258	258	258	258	259
130	321	327	332	334	334	332	329	324	320	317	316	317	318	319	320	321	322	323	324
135	360	365	368	370	371	371	370	368	366	364	366	368	370	371	372	372	374	375	376
140	398	400	403	405	407	408	409	409	409	409	411	413	415	415	415	415	416	417	418
145	434	434	435	436	439	442	445	447	448	450	451	453	454	454	454	453	454	455	456
150	463	464	466	468	471	475	478	480	482	484	485	485	485	485	485	485	486	487	488
155	492	493	495	496	499	501	503	505	507	508	509	510	511	512	512	512	513	514	515
160	514	515	516	517	519	520	522	524	525	526	528	529	530	531	531	532	532	533	534
165	531	532	532	533	534	535	536	537	538	539	540	542	543	543	544	545	545	546	547
170	543	544	545	545	545	545	545	546	547	548	549	549	550	550	551	551	552	552	552
175	551	552	552	552	552	552	552	553	553	554	554	554	554	554	554	554	555	555	555
180	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2021-5-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.4V I:0.1963A P:43.27W PF:0.9642 Freq:49.90Hz Lamp Flux:4321.23x1 lm		
NAME: GLOS 30-AL1200U-44W-930-60	TYPE:Linear Light	WEIGHT:
SPEC.:3000K	DIM.: L1200mm*W30mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:L1200mm*W30mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470
5	2523	2520	2518	2514	2511	2508	2504	2501	2498	2496	2495	2493	2491	2488	2485	2480	2475	2470	2466
10	2742	2735	2726	2719	2711	2702	2690	2679	2668	2661	2656	2649	2639	2628	2616	2604	2591	2578	2566
15	3028	3025	3021	3018	3012	3004	2989	2972	2953	2938	2922	2906	2888	2869	2848	2828	2806	2783	2756
20	3303	3303	3304	3309	3313	3315	3307	3296	3285	3280	3273	3262	3237	3207	3174	3142	3110	3079	3049
25	3544	3542	3540	3533	3524	3516	3511	3507	3501	3495	3486	3472	3445	3415	3386	3367	3349	3330	3301
30	2124	2170	2214	2216	2213	2214	2253	2294	2326	2309	2283	2261	2278	2305	2335	2352	2367	2379	2388
35	169	186	204	212	223	239	280	322	357	350	337	329	362	402	441	454	460	465	478
40	8.60	8.74	8.91	8.98	9.12	9.37	9.96	10.6	11.3	11.7	12.1	12.6	13.5	14.4	15.4	16.1	16.7	17.2	17.4
45	4.48	4.49	4.50	4.51	4.52	4.53	4.60	4.66	4.70	4.64	4.57	4.51	4.58	4.64	4.64	4.41	4.14	3.90	3.88
50	2.94	2.94	2.94	2.95	2.96	2.96	2.94	2.92	2.90	2.87	2.85	2.83	2.86	2.87	2.83	2.61	2.37	2.16	2.14
55	1.66	1.67	1.68	1.69	1.70	1.70	1.69	1.67	1.66	1.68	1.69	1.71	1.73	1.73	1.71	1.59	1.46	1.36	1.35
60	0.85	0.84	0.84	0.86	0.87	0.88	0.86	0.83	0.81	0.83	0.85	0.87	0.87	0.85	0.83	0.79	0.75	0.72	0.74
65	0.37	0.36	0.37	0.39	0.42	0.44	0.43	0.40	0.38	0.40	0.41	0.42	0.40	0.37	0.34	0.32	0.30	0.30	0.32
70	0.14	0.15	0.16	0.18	0.19	0.19	0.18	0.16	0.15	0.16	0.18	0.19	0.18	0.17	0.16	0.16	0.16	0.17	0.16
75	0.14	0.15	0.15	0.15	0.14	0.14	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15
80	0.13	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14
85	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
90	1.93	1.92	1.92	1.95	2.00	2.05	2.13	2.16	2.17	2.06	1.93	1.76	1.57	1.36	1.53	0.88	0.66	0.53	0.71
95	6.26	6.32	6.46	6.66	6.96	7.36	7.92	8.58	9.34	10.4	11.3	12.0	12.1	11.8	11.2	10.2	9.00	7.95	7.38
100	13.7	13.8	14.2	15.1	16.5	18.3	20.9	23.8	26.9	30.0	32.8	34.7	34.6	33.7	32.5	32.1	31.6	30.6	27.7
105	26.1	27.2	29.2	33.5	38.5	43.6	47.3	51.0	55.2	62.1	68.8	74.6	76.3	76.5	75.8	75.9	75.2	73.1	67.3
110	55.9	59.3	63.9	69.8	76.6	84.1	92.9	102	110	115	119	123	129	134	137	135	131	126	122
115	113	117	122	131	141	151	159	165	171	175	179	183	190	196	199	195	189	182	178
120	189	194	199	206	214	221	224	227	230	235	239	244	249	252	253	248	242	235	232
125	261	265	269	274	280	285	286	287	287	291	296	300	302	304	303	299	293	286	281
130	326	329	331	335	338	341	342	342	342	345	347	350	350	350	348	344	339	334	329
135	377	379	381	383	386	389	389	389	390	391	393	394	393	391	388	383	379	374	371
140	420	421	423	425	428	431	431	431	431	431	431	431	429	426	423	419	415	412	410
145	457	459	461	463	465	466	467	468	468	467	465	463	460	456	453	449	446	443	443
150	489	490	491	493	495	496	497	497	497	495	494	491	488	484	480	477	474	472	471
155	516	516	517	518	519	520	520	519	518	517	516	514	511	508	506	503	501	500	498
160	534	535	535	536	537	537	536	535	534	533	532	530	529	527	525	524	522	520	519
165	547	547	547	547	547	547	547	546	545	544	544	543	542	540	539	538	537	536	534
170	553	553	553	553	553	553	553	553	552	552	552	552	551	550	549	548	547	546	545
175	555	555	555	556	556	557	557	557	556	556	556	556	555	555	554	554	553	553	553
180	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2021-5-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.4V I:0.1963A P:43.27W PF:0.9642 Freq:49.90Hz Lamp Flux:4321.23x1 lm		
NAME: GLOS 30-AL1200U-44W-930-60	TYPE:Linear Light	WEIGHT:
SPEC.:3000K	DIM.: L1200mm*W30mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:L1200mm*W30mm	Shielding Angle:

Table--3

UNIT: cd

C(DEC) γ (DEC)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470
5	2463	2460	2456	2452	2448	2445	2442	2440	2437	2435	2433	2434	2436	2438	2439	2441	2443	2446	2450
10	2553	2539	2522	2504	2489	2479	2472	2467	2464	2463	2464	2470	2477	2484	2485	2486	2488	2495	2503
15	2728	2701	2673	2648	2627	2617	2612	2610	2609	2609	2611	2615	2619	2623	2622	2622	2624	2634	2647
20	3020	2990	2953	2919	2889	2874	2866	2862	2861	2862	2865	2869	2874	2877	2874	2872	2874	2887	2906
25	3271	3242	3217	3196	3179	3170	3166	3167	3175	3186	3198	3206	3213	3219	3224	3229	3235	3243	3253
30	2396	2405	2428	2448	2460	2441	2415	2389	2389	2389	2386	2353	2317	2286	2288	2297	2305	2289	2274
35	493	509	531	549	560	547	528	507	502	496	485	452	418	391	401	418	430	403	374
40	17.6	17.7	18.0	18.1	17.9	16.7	15.3	13.8	13.1	12.6	12.1	11.4	10.7	10.2	10.1	10.1	10.1	9.98	9.84
45	3.92	4.00	4.06	4.13	4.19	4.22	4.25	4.28	4.31	4.33	4.34	4.30	4.26	4.22	4.24	4.27	4.29	4.26	4.22
50	2.18	2.25	2.27	2.29	2.32	2.37	2.42	2.47	2.49	2.51	2.52	2.52	2.52	2.51	2.51	2.51	2.52	2.52	2.53
55	1.38	1.43	1.45	1.47	1.49	1.52	1.54	1.56	1.58	1.59	1.60	1.61	1.63	1.64	1.63	1.62	1.60	1.61	1.62
60	0.78	0.82	0.84	0.85	0.86	0.87	0.88	0.88	0.88	0.88	0.88	0.90	0.93	0.94	0.93	0.91	0.89	0.91	0.93
65	0.35	0.38	0.39	0.40	0.41	0.42	0.44	0.44	0.43	0.42	0.41	0.42	0.44	0.45	0.42	0.39	0.36	0.39	0.42
70	0.15	0.15	0.15	0.16	0.17	0.19	0.20	0.21	0.19	0.18	0.16	0.15	0.15	0.16	0.16	0.17	0.17	0.17	0.16
75	0.15	0.14	0.14	0.13	0.13	0.13	0.13	0.14	0.14	0.15	0.15	0.14	0.14	0.13	0.13	0.14	0.15	0.15	0.15
80	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.14	0.14	0.15	0.15
85	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.15
90	0.95	1.16	1.11	1.01	1.28	0.94	1.02	1.38	1.45	1.36	1.55	1.49	1.39	1.30	1.27	1.24	1.19	1.03	0.85
95	7.18	7.42	8.54	9.94	11.4	12.7	13.6	13.9	12.2	10.1	7.90	6.92	6.29	5.91	5.61	5.42	5.30	5.09	4.95
100	24.7	22.6	23.6	25.6	28.0	30.0	31.7	32.7	32.3	31.0	29.1	26.3	23.4	20.7	19.0	17.9	17.3	17.1	17.5
105	60.9	54.9	52.2	50.9	51.0	53.1	55.8	58.2	58.6	58.1	56.9	54.9	52.6	50.1	47.8	45.8	44.4	44.3	44.8
110	117	111	98.9	87.6	78.9	81.1	86.0	91.7	93.0	93.2	92.5	91.5	90.0	88.3	86.4	84.5	82.9	82.3	82.1
115	174	168	153	137	124	121	122	125	128	131	134	134	134	133	132	131	130	129	127
120	228	223	212	200	189	179	171	165	167	170	174	175	176	176	176	175	174	172	170
125	277	272	269	265	259	248	236	225	220	216	215	215	215	216	215	215	214	211	209
130	325	321	321	320	318	312	303	294	285	277	270	266	263	261	260	258	256	254	252
135	369	367	367	367	366	363	358	353	347	341	335	331	328	325	320	317	314	312	311
140	408	408	408	407	407	405	402	398	393	388	383	381	379	377	373	370	367	367	368
145	442	442	441	440	439	439	439	439	435	432	428	425	423	421	419	417	416	415	415
150	471	471	470	469	468	469	470	471	470	468	466	464	462	460	458	457	456	456	456
155	497	496	495	494	493	494	494	495	495	495	495	494	493	492	491	491	490	489	487
160	518	516	516	515	515	514	514	513	514	514	514	515	516	516	516	515	514	514	513
165	533	532	532	531	531	531	531	530	530	529	529	528	528	528	528	528	528	527	526
170	545	544	544	543	542	542	543	543	542	542	542	541	541	541	541	540	540	539	539
175	552	552	551	551	551	551	550	550	550	549	549	549	549	549	549	549	549	548	548
180	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2021-5-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.4V I:0.1963A P:43.27W PF:0.9642 Freq:49.90Hz Lamp Flux:4321.23x1 lm																	
NAME: GLOS 30-AL1200U-44W-930-60									TYPE:Linear Light						WEIGHT:		
SPEC.:3000K									DIM.: L1200mm*W30mm						SERIAL No.:		
MFR.: NEKO LIGHTING AG									SUR.:L1200mm*W30mm						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	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470	2470				
5	2455	2460	2466	2472	2476	2481	2485	2491	2498	2504	2511	2519	2526	2534	2542				
10	2511	2518	2525	2533	2543	2555	2568	2580	2593	2606	2622	2637	2653	2668	2681				
15	2662	2676	2689	2704	2721	2739	2756	2767	2778	2790	2808	2828	2847	2862	2875				
20	2927	2945	2965	2988	3016	3046	3072	3089	3102	3114	3131	3148	3163	3176	3186				
25	3264	3275	3287	3300	3315	3330	3343	3350	3355	3360	3369	3378	3387	3392	3395				
30	2266	2293	2326	2357	2357	2354	2354	2383	2412	2435	2427	2407	2378	2347	2310				
35	354	383	420	454	445	430	417	437	460	480	474	460	439	419	396				
40	9.76	9.97	10.2	10.5	10.6	10.8	11.0	11.6	12.2	12.7	12.6	12.4	12.1	11.8	11.4				
45	4.19	4.20	4.22	4.24	4.22	4.19	4.16	4.14	4.11	4.09	4.02	3.98	3.99	4.12	4.32				
50	2.54	2.54	2.55	2.55	2.54	2.53	2.50	2.46	2.41	2.37	2.32	2.29	2.32	2.43	2.61				
55	1.63	1.63	1.63	1.62	1.60	1.58	1.57	1.56	1.55	1.54	1.51	1.49	1.49	1.53	1.59				
60	0.95	0.94	0.92	0.90	0.89	0.89	0.89	0.88	0.87	0.86	0.86	0.86	0.86	0.85	0.83				
65	0.46	0.45	0.43	0.42	0.43	0.45	0.46	0.45	0.44	0.42	0.42	0.41	0.41	0.40	0.38				
70	0.16	0.17	0.18	0.20	0.21	0.23	0.24	0.22	0.19	0.17	0.17	0.18	0.18	0.18	0.18				
75	0.16	0.17	0.18	0.18	0.18	0.18	0.17	0.17	0.16	0.16	0.16	0.17	0.17	0.17	0.17				
80	0.15	0.16	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17				
85	0.15	0.15	0.16	0.16	0.16	0.17	0.17	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17				
90	0.69	0.55	0.56	0.60	0.60	0.61	0.62	0.63	0.64	0.64	0.62	0.61	0.58	0.56	0.54				
95	4.94	5.12	5.50	6.10	7.36	8.57	9.45	9.01	8.18	7.20	6.51	5.99	5.72	5.88	6.37				
100	18.5	20.6	22.9	25.0	25.8	26.0	25.6	24.5	23.2	21.8	20.6	20.0	20.2	21.9	24.8				
105	45.8	47.1	48.5	49.8	50.5	50.6	50.1	47.2	44.4	42.5	43.8	46.7	51.0	56.1	62.4				
110	82.0	82.0	82.0	82.0	82.5	82.6	81.9	76.6	72.0	70.3	79.1	90.5	102	110	115				
115	126	124	122	120	118	115	114	112	112	116	130	146	161	169	174				
120	167	164	160	157	153	150	151	157	167	178	190	202	213	221	226				
125	206	202	199	197	197	199	204	215	227	239	248	256	263	269	274				
130	251	250	250	252	256	262	270	278	287	295	299	303	306	310	315				
135	311	313	317	321	324	328	332	336	341	345	347	348	349	352	356				
140	369	370	372	374	377	380	382	384	386	388	389	389	390	392	395				
145	415	416	417	418	421	423	424	425	424	424	425	425	426	428	431				
150	456	456	457	458	459	460	461	458	456	454	454	455	457	459	461				
155	486	486	487	488	488	487	487	486	485	484	485	486	488	489	490				
160	512	511	509	508	507	507	507	507	507	508	508	509	510	511	513				
165	525	525	525	525	524	523	523	524	525	526	527	528	528	529	530				
170	538	538	539	539	539	540	540	540	540	540	541	541	542	542	542				
175	548	548	548	548	549	549	549	549	549	549	550	550	550	551	551				
180	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2021-5-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks: