

IES INDOOR REPORT

PHOTOMETRIC FILENAME : EGRF0609LXX_IES.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LCZP18060378
 [TESTLAB] LCTECH
 [TESTDATE] 2018/7/25
 [ISSUEDATE] 2018/7/25
 [MANUFAC] 2345N.Ernie Krueger Circle Waukegan, IL 60087
 [LUMCAT] EDSK-120601-A
 [LUMINAIRE] LED lamp
 [LAMPCAT]
 [LAMP]

CHARACTERISTICS

Lumens Per Lamp	755.76 (1 lamp)
Total Lamp Lumens	755.76
Luminaire Lumens	756
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	11.81
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.12 m (Diameter)
Luminous Width (90-270)	0.12 m (Diameter)
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	22224	22230	22473
55	20550	20592	20849
65	18254	18293	18501
75	14949	15015	15275
85	8312	8576	9197

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EGRF0609LXX_IES.IES

CANDELA TABULATION

	<u>0</u>	<u>15</u>	<u>30</u>	<u>45</u>	<u>60</u>	<u>75</u>	<u>90</u>
0	281.884	281.884	281.884	281.884	281.884	281.884	281.884
5	280.644	279.778	280.174	280.643	280.819	281.017	282.246
10	275.637	274.900	275.936	276.226	275.959	277.242	277.835
15	268.105	269.291	269.478	269.211	269.346	270.068	271.122
20	259.287	259.558	260.265	259.490	260.557	260.360	261.884
25	247.856	247.231	247.747	247.682	247.930	248.432	249.563
30	234.121	233.063	232.921	233.610	233.240	233.970	235.291
35	216.442	216.258	216.850	217.008	217.239	217.178	218.810
40	198.276	197.501	197.363	197.719	197.953	198.184	199.772
45	177.806	177.059	177.610	177.854	177.515	178.527	179.799
50	155.829	155.930	156.013	156.591	155.922	156.737	157.357
55	133.366	133.448	133.905	133.640	134.151	133.857	135.308
60	110.592	110.412	110.401	110.446	110.916	110.667	111.932
65	87.286	87.199	87.007	87.474	87.681	87.786	88.469
70	64.866	64.806	64.811	64.701	65.511	65.796	65.893
75	43.776	43.744	43.858	43.969	44.317	44.293	44.731
80	24.325	24.277	24.926	24.748	25.166	25.167	25.904
85	8.197	8.248	8.568	8.457	8.655	9.174	9.069
90	0.000	0.044	0.178	0.111	0.222	0.200	0.044
95	0.044	0.044	0.022	0.022	0.044	0.067	0.044
100	0.000	0.044	0.044	0.067	0.044	0.045	0.044
105	0.089	0.044	0.067	0.089	0.089	0.067	0.044
110	0.089	0.111	0.089	0.111	0.067	0.067	0.044
115	0.089	0.111	0.111	0.089	0.067	0.067	0.133
120	0.133	0.044	0.044	0.133	0.089	0.067	0.133
125	0.089	0.089	0.111	0.133	0.067	0.044	0.088
130	0.222	0.155	0.133	0.133	0.133	0.133	0.088
135	0.133	0.111	0.155	0.155	0.155	0.156	0.088
140	0.222	0.244	0.244	0.222	0.222	0.200	0.177
145	0.310	0.333	0.377	0.377	0.333	0.355	0.310
150	0.576	0.510	0.488	0.488	0.466	0.422	0.442
155	0.532	0.532	0.555	0.555	0.555	0.511	0.487
160	0.665	0.621	0.666	0.599	0.621	0.600	0.575
165	0.709	0.665	0.710	0.732	0.666	0.711	0.662
170	0.753	0.798	0.755	0.755	0.710	0.689	0.662
175	0.798	0.754	0.777	0.755	0.732	0.778	0.750
180	0.703	0.703	0.703	0.703	0.703	0.703	0.703

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EGRF0609LXX_IES.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	102.66	13.60	13.60
0-30	216.89	28.70	28.70
0-40	352.48	46.60	46.60
0-60	609.23	80.60	80.60
0-80	743.08	98.30	98.30
0-90	754.58	99.80	99.80
10-90	727.94	96.30	96.30
20-40	249.82	33.10	33.10
20-50	386.94	51.20	51.20
40-70	343.59	45.50	45.50
60-80	133.85	17.70	17.70
70-80	47.01	6.20	6.20
80-90	11.51	1.50	1.50
90-110	0.14	0.00	0.00
90-120	0.23	0.00	0.00
90-130	0.32	0.00	0.00
90-150	0.66	0.10	0.10
90-180	1.17	0.20	0.20
110-180	1.03	0.10	0.10
0-180	755.76	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	26.64
10-20	76.02
20-30	114.23
30-40	135.59
40-50	137.12
50-60	119.63
60-70	86.84
70-80	47.01
80-90	11.51
90-100	0.07
100-110	0.07
110-120	0.09
120-130	0.09
130-140	0.12
140-150	0.22
150-160	0.25
160-170	0.19
170-180	0.07

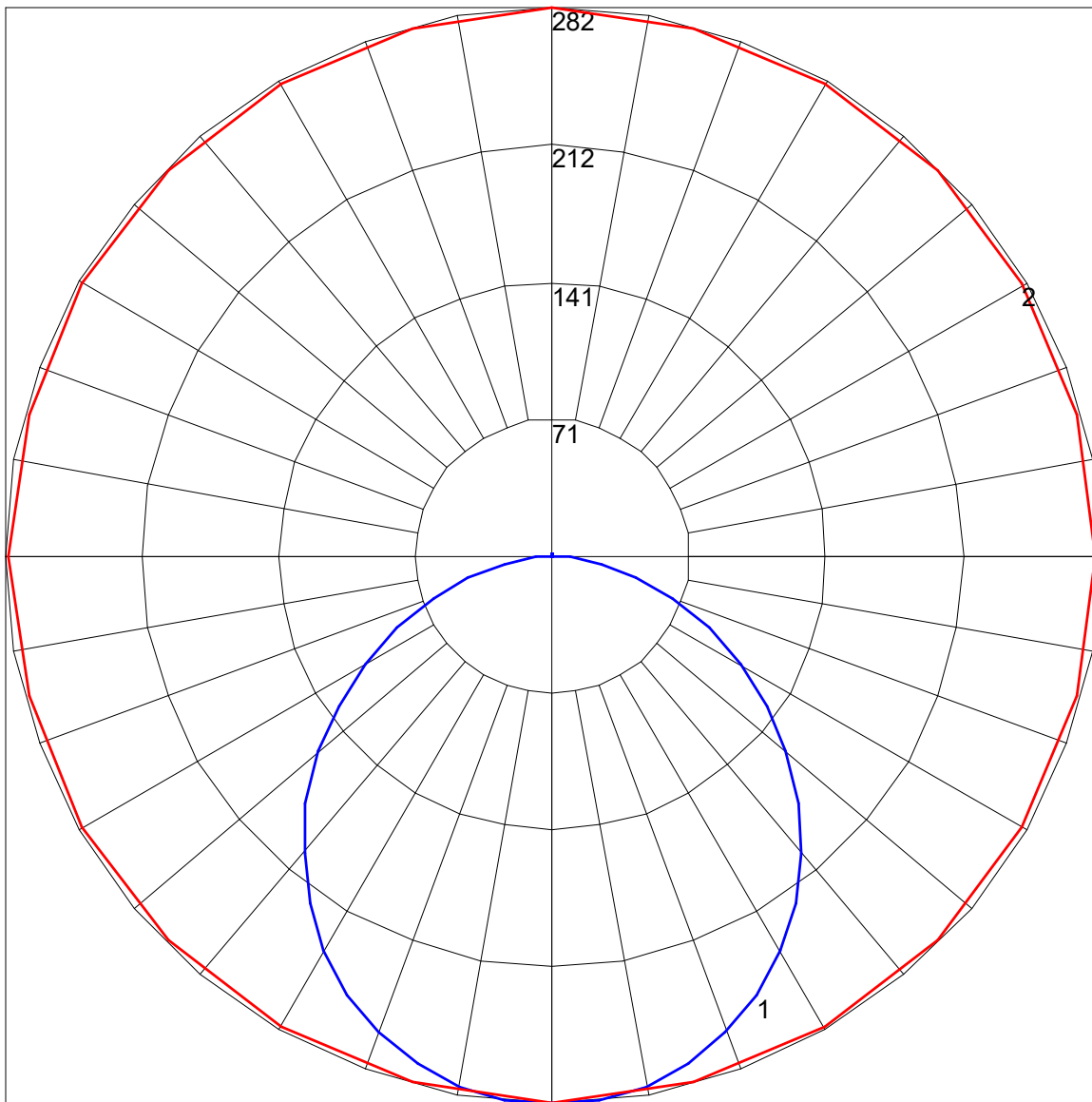
IES INDOOR REPORT
PHOTOMETRIC FILENAME : EGRF0609LXX_IES.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	85	79	97	89	83	78	86	81	76	83	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	70	66	62	60
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	44
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	51	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 282.246 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)