

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00656_4 ~ C0816ADJUXT-13LXNGL-13LXN-XXK-EX-TSG-GL (UP_DOWN).IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00656_4
 [TESTLAB] Photopia 2015.1.1 see: www.ltioptics.com/ies
 [TESTDATE] Thu Aug 11 2016
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE]
 [UPDATE] 4/25/2018
 [LUMCAT] C0816ADJUXT-13L-XN-GL-13L-XN-xxK-EX-TSG-GL (Up/Down)
 [LUMINAIRE] 8" Diam. x 16" H, Direct/Indirect Cylinder, Wall Mounted
 [OTHER] Uplight: Xtra Narrow Beam, Flush Clear Glass lens
 [OTHER] Uplight: 12.5 Degree Beam Angle
 [OTHER] Downlight: Fixed (not adjustable)
 [OTHER] Downlight: Xtra Narrow Beam, Flush Clear Glass lens
 [OTHER] Downlight: 12 Degree Beam Angle
 [OTHER] Trim: Semi-diffuse clear anodized alum.
 [LAMP] N/A
 [LAMPCAT] N/A, 9mm LES indirect
 [OTHER] N/A, 9mm LES direct
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] LEDXT lumen output is the same for all available CCT's
 [OTHER] See Catalog cut sheet for different source lumen multipliers
 [OTHER] 3" STT3XT track light data used for uplight data
 [OTHER] This report prepared by Spectrum Lighting, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1774
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	48
Total Luminaire Watts	36.8
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.63 ft (Diameter)
Luminous Width (90-270)	0.63 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	340	391	340
55	102	97	93
65	3	3	5
75	1	1	1
85	0	2	2

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	10469.582	10469.582	10469.582	10469.582	10469.582
2.5	8148.517	8149.336	8159.554	8203.884	8224.762
5.0	5827.445	5829.089	5849.519	5938.185	5979.941
7.5	3367.936	3497.494	3636.340	3580.193	3507.725
10.0	908.420	1165.898	1423.155	1222.201	1035.508
12.5	656.298	785.031	916.883	812.506	716.040
15.0	404.176	404.163	410.611	402.805	396.571
17.5	366.359	368.004	371.137	366.145	361.588
20.0	328.542	331.844	331.662	329.478	326.599
22.5	317.616	320.710	321.802	319.442	316.998
25.0	306.683	309.569	311.941	309.406	307.398
27.5	298.798	300.365	302.159	300.677	299.247
30.0	290.914	291.161	292.370	291.941	291.096
32.5	258.121	261.722	262.210	262.203	261.469
35.0	225.322	232.284	232.050	232.466	231.835
37.5	133.997	140.010	141.264	140.276	139.009
40.0	42.672	47.736	50.472	48.087	46.176
42.5	24.765	27.371	29.178	27.586	26.520
45.0	6.851	7.000	7.884	7.078	6.864
47.5	5.063	5.044	5.557	5.135	4.953
50.0	3.276	3.087	3.230	3.191	3.035
52.5	2.476	2.314	2.411	2.340	2.281
55.0	1.677	1.534	1.586	1.488	1.527
57.5	0.962	0.916	0.949	0.858	0.877
60.0	0.240	0.299	0.305	0.227	0.227
62.5	0.143	0.175	0.175	0.136	0.149
65.0	0.039	0.045	0.039	0.039	0.065
67.5	0.026	0.032	0.026	0.032	0.032
70.0	0.013	0.013	0.006	0.019	0.000
72.5	0.013	0.013	0.006	0.013	0.006
75.0	0.006	0.006	0.006	0.006	0.006
77.5	0.006	0.006	0.006	0.006	0.006
80.0	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.006	0.000	0.006
85.0	0.000	0.000	0.006	0.000	0.006
87.5	0.000	0.000	0.006	0.000	0.006
90.0	0.000	0.000	0.000	0.000	0.000
92.5	0.330	0.546	0.673	0.411	1.331
95.0	0.660	1.092	0.929	0.822	1.028
97.5	0.847	0.911	0.904	0.885	0.924
100.0	1.033	0.729	0.879	0.947	0.819
102.5	0.951	0.786	0.795	1.386	0.997
105.0	0.868	0.843	0.710	1.825	1.175
107.5	0.753	0.956	1.071	1.573	1.145
110.0	0.637	1.069	1.432	1.321	1.115
112.5	0.562	1.273	1.178	1.203	1.067
115.0	0.487	1.477	0.925	1.085	1.018
117.5	0.757	1.309	1.074	1.591	1.333
120.0	1.025	1.140	1.223	2.096	1.648
122.5	1.416	1.511	1.318	1.754	1.191
125.0	1.808	1.882	1.413	1.410	0.734

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127.5	2.264	1.795	1.650	1.782	1.109
130.0	2.720	1.708	1.886	2.152	1.483
132.5	2.970	2.322	2.712	2.516	1.953
135.0	3.219	2.937	3.537	2.879	2.423
137.5	5.077	3.918	3.933	3.982	3.719
140.0	6.934	4.897	4.329	5.084	5.015
142.5	36.520	36.647	39.710	38.414	38.607
145.0	66.106	68.396	75.091	71.745	72.199
147.5	153.913	155.238	162.995	157.461	159.467
150.0	241.722	242.081	250.898	243.176	246.735
152.5	295.278	295.909	300.202	297.260	300.860
155.0	348.835	349.738	349.506	351.344	354.986
157.5	366.185	367.117	367.406	369.802	372.566
160.0	383.535	384.496	385.306	388.261	390.146
162.5	461.678	461.960	454.979	468.258	471.654
165.0	539.821	539.423	524.651	548.255	553.164
167.5	1159.821	1147.655	1098.440	1151.383	1166.420
170.0	1779.824	1755.889	1672.230	1754.512	1779.679
172.5	4299.097	4289.339	4264.784	4321.239	4363.427
175.0	6818.363	6822.783	6857.331	6887.959	6947.167
177.5	8979.230	8981.440	8998.710	9014.024	9043.632
180.0	11139.700	11139.700	11139.700	11139.700	11139.700

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Zone	Lumens	%Lamp	%Fixt
0-20	573.94	N.A.	32.30
0-30	716.99	N.A.	40.40
0-40	839.97	N.A.	47.30
0-60	853.57	N.A.	48.10
0-80	853.67	N.A.	48.10
0-90	853.67	N.A.	48.10
10-90	432.68	N.A.	24.40
20-40	266.03	N.A.	15.00
20-50	278.19	N.A.	15.70
40-70	13.69	N.A.	0.80
60-80	0.10	N.A.	0.00
70-80	0.01	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	1.90	N.A.	0.10
90-120	3.08	N.A.	0.20
90-130	4.51	N.A.	0.30
90-150	65.69	N.A.	3.70
90-180	920.64	N.A.	51.90
110-180	918.73	N.A.	51.80
0-180	1774.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	420.99
10-20	152.95
20-30	143.05
30-40	122.98
40-50	12.16
50-60	1.44
60-70	0.09
70-80	0.01
80-90	0.00
90-100	0.78
100-110	1.12
110-120	1.18
120-130	1.43
130-140	2.51
140-150	58.67
150-160	152.29
160-170	207.63
170-180	495.02

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

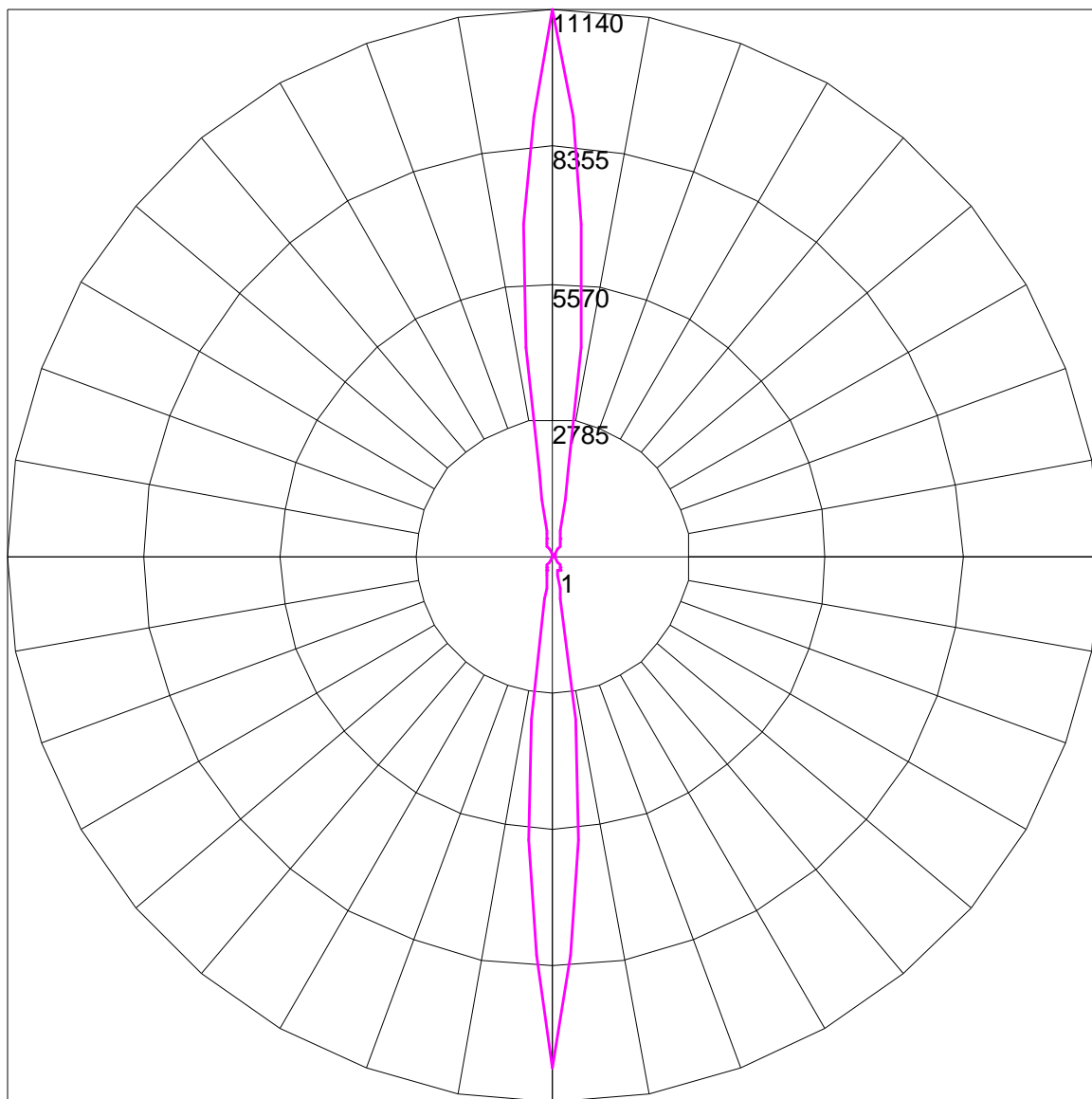
Effective Floor Cavity Reflectance 0.20

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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	100	97	94	92	93	90	88	86	76	75	74	64	63	62	53	52	52	46
2	94	89	85	81	87	83	79	76	71	69	67	61	59	58	51	50	49	45
3	89	82	77	73	83	77	72	69	67	64	61	58	56	54	49	48	47	43
4	84	76	71	66	78	72	67	63	63	60	57	55	53	51	47	46	45	42
5	80	71	65	61	74	67	62	58	60	56	53	53	50	48	46	44	43	40
6	76	67	61	57	71	63	58	55	57	53	50	50	48	46	44	43	42	39
7	72	63	57	53	68	60	55	51	54	50	48	48	46	44	43	41	40	38
8	69	60	54	50	65	57	52	48	52	48	45	47	44	42	42	40	39	37
9	66	57	51	47	62	54	49	46	49	46	43	45	42	41	41	39	38	36
10	63	54	49	45	60	52	47	44	48	44	42	44	41	39	40	38	37	35

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POLAR GRAPH



Maximum Candela = 11139.7 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180)