

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00656_4 ~ C0816ADJUXT-20LXNGL-20LXN-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-20L-XN-GL-20L-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2730
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	38
Total Luminaire Watts	71
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	522	601	523
55	158	149	144
65	5	5	8
75	1	1	1
85	0	4	4

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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	16107.050	16107.050	16107.050	16107.050	16107.050
2.5	12536.180	12537.440	12553.160	12621.360	12653.480
5.0	8965.300	8967.830	8999.260	9135.670	9199.910
7.5	5181.440	5380.760	5594.370	5507.990	5396.500
10.0	1397.570	1793.690	2189.470	1880.310	1593.090
12.5	1009.690	1207.740	1410.590	1250.010	1101.600
15.0	621.810	621.790	631.710	619.700	610.110
17.5	563.630	566.160	570.980	563.300	556.290
20.0	505.450	510.530	510.250	506.890	502.460
22.5	488.640	493.400	495.080	491.450	487.690
25.0	471.820	476.260	479.910	476.010	472.920
27.5	459.690	462.100	464.860	462.580	460.380
30.0	447.560	447.940	449.800	449.140	447.840
32.5	397.110	402.650	403.400	403.390	402.260
35.0	346.650	357.360	357.000	357.640	356.670
37.5	206.150	215.400	217.330	215.810	213.860
40.0	65.650	73.440	77.650	73.980	71.040
42.5	38.100	42.110	44.890	42.440	40.800
45.0	10.540	10.770	12.130	10.890	10.560
47.5	7.790	7.760	8.550	7.900	7.620
50.0	5.040	4.750	4.970	4.910	4.670
52.5	3.810	3.560	3.710	3.600	3.510
55.0	2.580	2.360	2.440	2.290	2.350
57.5	1.480	1.410	1.460	1.320	1.350
60.0	0.370	0.460	0.470	0.350	0.350
62.5	0.220	0.270	0.270	0.210	0.230
65.0	0.060	0.070	0.060	0.060	0.100
67.5	0.040	0.050	0.040	0.050	0.050
70.0	0.020	0.020	0.010	0.030	0.000
72.5	0.020	0.020	0.010	0.020	0.010
75.0	0.010	0.010	0.010	0.010	0.010
77.5	0.010	0.010	0.010	0.010	0.010
80.0	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.010	0.000	0.010
85.0	0.000	0.000	0.010	0.000	0.010
87.5	0.000	0.000	0.010	0.000	0.010
90.0	0.000	0.000	0.000	0.000	0.000
92.5	0.508	0.840	1.036	0.633	2.048
95.0	1.015	1.680	1.429	1.265	1.582
97.5	1.303	1.401	1.391	1.361	1.421
100.0	1.590	1.121	1.353	1.457	1.260
102.5	1.463	1.209	1.223	2.133	1.534
105.0	1.336	1.297	1.092	2.808	1.808
107.5	1.158	1.471	1.648	2.420	1.762
110.0	0.980	1.644	2.203	2.032	1.715
112.5	0.865	1.959	1.813	1.851	1.641
115.0	0.750	2.273	1.423	1.669	1.566
117.5	1.164	2.014	1.653	2.447	2.051
120.0	1.577	1.754	1.882	3.225	2.535
122.5	2.179	2.325	2.028	2.698	1.833
125.0	2.781	2.896	2.174	2.170	1.130

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127.5	3.483	2.762	2.538	2.741	1.706
130.0	4.185	2.627	2.901	3.311	2.281
132.5	4.569	3.573	4.172	3.871	3.004
135.0	4.953	4.519	5.442	4.430	3.727
137.5	7.811	6.027	6.051	6.126	5.721
140.0	10.668	7.534	6.660	7.821	7.715
142.5	56.185	56.380	61.093	59.099	59.396
145.0	101.701	105.225	115.525	110.377	111.076
147.5	236.790	238.828	250.761	242.247	245.334
150.0	371.880	372.432	385.997	374.117	379.593
152.5	454.274	455.245	461.849	457.323	462.862
155.0	536.669	538.059	537.702	540.529	546.132
157.5	563.361	564.795	565.240	568.926	573.178
160.0	590.054	591.532	592.778	597.324	600.224
162.5	710.274	710.707	699.967	720.397	725.622
165.0	830.494	829.882	807.156	843.470	851.021
167.5	1784.340	1765.623	1689.907	1771.358	1794.492
170.0	2738.191	2701.368	2572.661	2699.250	2737.968
172.5	6613.996	6598.984	6561.206	6648.061	6712.965
175.0	10489.790	10496.590	10549.740	10596.860	10687.950
177.5	13814.200	13817.600	13844.170	13867.730	13913.280
180.0	17138.000	17138.000	17138.000	17138.000	17138.000

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Zone	Lumens	%Lamp	%Fixt
0-20	882.98	N.A.	32.30
0-30	1103.06	N.A.	40.40
0-40	1292.25	N.A.	47.30
0-60	1313.18	N.A.	48.10
0-80	1313.33	N.A.	48.10
0-90	1313.34	N.A.	48.10
10-90	665.66	N.A.	24.40
20-40	409.27	N.A.	15.00
20-50	427.98	N.A.	15.70
40-70	21.07	N.A.	0.80
60-80	0.15	N.A.	0.00
70-80	0.01	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	2.93	N.A.	0.10
90-120	4.74	N.A.	0.20
90-130	6.94	N.A.	0.30
90-150	101.06	N.A.	3.70
90-180	1416.37	N.A.	51.90
110-180	1413.44	N.A.	51.80
0-180	2729.7	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	647.67
10-20	235.31
20-30	220.08
30-40	189.19
40-50	18.71
50-60	2.22
60-70	0.14
70-80	0.01
80-90	0.00
90-100	1.20
100-110	1.73
110-120	1.81
120-130	2.20
130-140	3.86
140-150	90.27
150-160	234.30
160-170	319.43
170-180	761.57

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

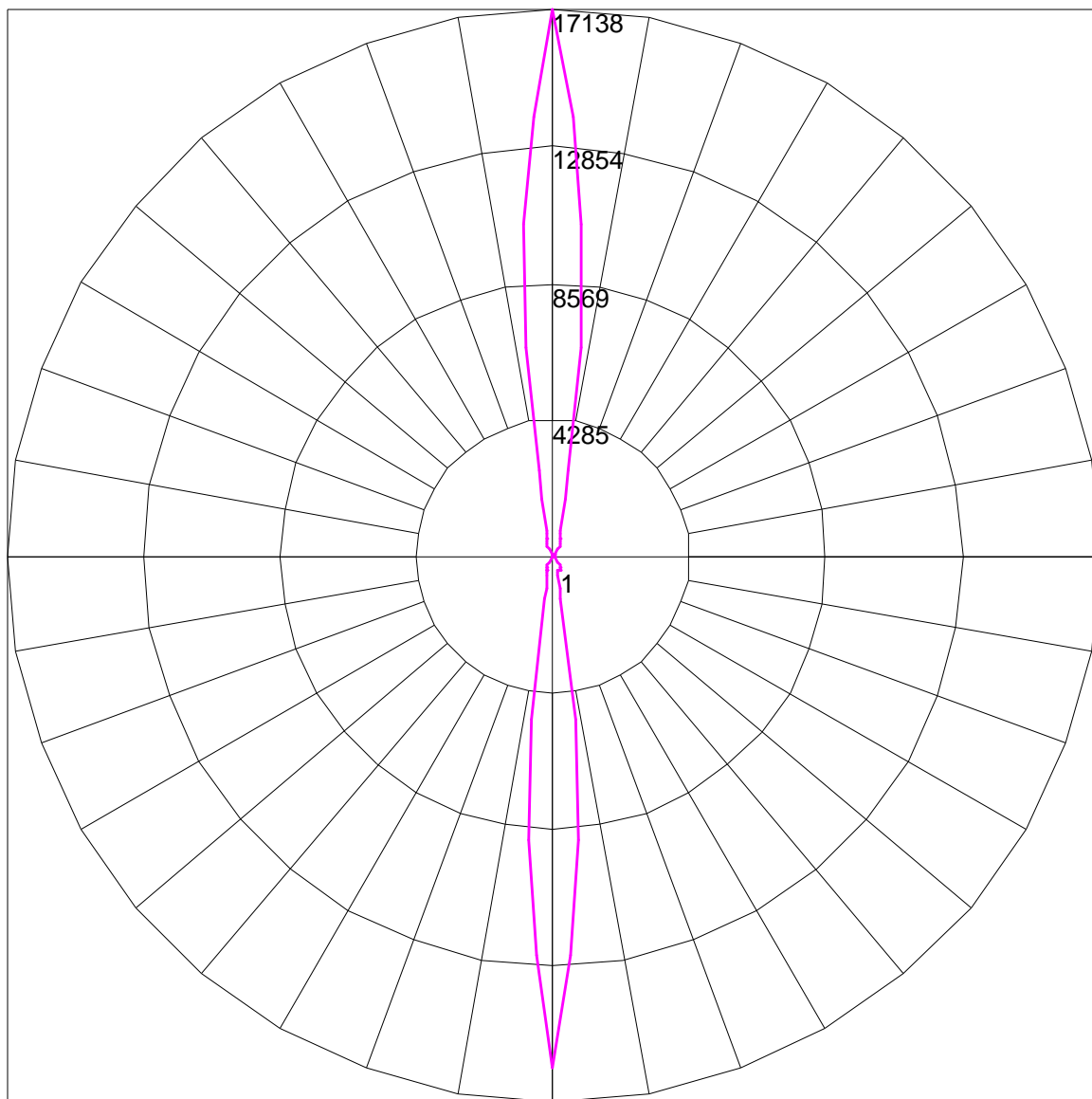
Effective Floor Cavity Reflectance 0.20

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	92	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	82	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	52	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	67	60	55	51	54	50	47	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 = 17138 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180)