

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00656_4 ~ C0816ADJUXT-10LXNGL-10LXN-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-10L-XN-GL-10L-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	1317
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	51
Total Luminaire Watts	25.6
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00656_4 ~ C0816ADJXT-10LXNGL-10LXN-XXK-EX-TSG-GL (UP_DOWN).IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	252	290	253
55	76	72	69
65	2	2	4
75	1	1	1
85	0	2	2

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	7771.651	7771.651	7771.651	7771.651	7771.651
2.5	6048.707	6049.315	6056.900	6089.806	6105.304
5.0	4325.757	4326.978	4342.143	4407.961	4438.956
7.5	2500.045	2596.217	2699.283	2657.605	2603.811
10.0	674.328	865.455	1056.419	907.250	768.666
12.5	487.175	582.735	680.610	603.130	531.522
15.0	300.023	300.014	304.800	299.005	294.378
17.5	271.951	273.172	275.498	271.792	268.410
20.0	243.880	246.331	246.196	244.574	242.437
22.5	235.769	238.065	238.876	237.125	235.310
25.0	227.653	229.795	231.557	229.675	228.184
27.5	221.800	222.963	224.295	223.195	222.133
30.0	215.948	216.131	217.028	216.710	216.083
32.5	191.606	194.279	194.640	194.636	194.090
35.0	167.259	172.426	172.252	172.561	172.093
37.5	99.467	103.930	104.862	104.128	103.187
40.0	31.676	35.435	37.466	35.695	34.277
42.5	18.383	20.318	21.659	20.477	19.686
45.0	5.086	5.197	5.853	5.254	5.095
47.5	3.759	3.744	4.125	3.812	3.677
50.0	2.432	2.292	2.398	2.369	2.253
52.5	1.838	1.718	1.790	1.737	1.694
55.0	1.245	1.139	1.177	1.105	1.134
57.5	0.714	0.680	0.704	0.637	0.651
60.0	0.179	0.222	0.227	0.169	0.169
62.5	0.106	0.130	0.130	0.101	0.111
65.0	0.029	0.034	0.029	0.029	0.048
67.5	0.019	0.024	0.019	0.024	0.024
70.0	0.010	0.010	0.005	0.014	0.000
72.5	0.010	0.010	0.005	0.010	0.005
75.0	0.005	0.005	0.005	0.005	0.005
77.5	0.005	0.005	0.005	0.005	0.005
80.0	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.005	0.000	0.005
85.0	0.000	0.000	0.005	0.000	0.005
87.5	0.000	0.000	0.005	0.000	0.005
90.0	0.000	0.000	0.000	0.000	0.000
92.5	0.245	0.405	0.500	0.305	0.988
95.0	0.490	0.811	0.689	0.610	0.763
97.5	0.629	0.676	0.671	0.657	0.686
100.0	0.767	0.541	0.653	0.703	0.608
102.5	0.706	0.583	0.590	1.029	0.740
105.0	0.645	0.626	0.527	1.355	0.872
107.5	0.559	0.710	0.795	1.168	0.850
110.0	0.473	0.793	1.063	0.980	0.827
112.5	0.417	0.945	0.875	0.893	0.792
115.0	0.362	1.097	0.687	0.805	0.756
117.5	0.562	0.972	0.798	1.181	0.990
120.0	0.761	0.846	0.908	1.556	1.223
122.5	1.051	1.122	0.979	1.302	0.884
125.0	1.342	1.397	1.049	1.047	0.545

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127.5	1.681	1.333	1.225	1.323	0.823
130.0	2.019	1.268	1.400	1.598	1.101
132.5	2.205	1.724	2.013	1.868	1.449
135.0	2.390	2.180	2.626	2.137	1.798
137.5	3.769	2.908	2.920	2.956	2.760
140.0	5.147	3.635	3.213	3.774	3.722
142.5	27.109	27.203	29.477	28.515	28.659
145.0	49.071	50.771	55.741	53.257	53.594
147.5	114.251	115.235	120.992	116.884	118.374
150.0	179.432	179.698	186.244	180.511	183.154
152.5	219.187	219.656	222.842	220.658	223.331
155.0	258.943	259.613	259.441	260.805	263.509
157.5	271.822	272.514	272.728	274.507	276.558
160.0	284.701	285.414	286.015	288.209	289.608
162.5	342.707	342.916	337.734	347.592	350.113
165.0	400.713	400.418	389.453	406.974	410.618
167.5	860.944	851.913	815.380	854.680	865.842
170.0	1321.177	1303.410	1241.309	1302.388	1321.070
172.5	3191.253	3184.010	3165.782	3207.689	3239.006
175.0	5061.324	5064.605	5090.249	5112.985	5156.936
177.5	6665.351	6666.992	6679.812	6691.180	6713.157
180.0	8269.085	8269.085	8269.085	8269.085	8269.085

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Zone	Lumens	%Lamp	%Fixt
0-20	426.04	N.A.	32.30
0-30	532.23	N.A.	40.40
0-40	623.51	N.A.	47.30
0-60	633.61	N.A.	48.10
0-80	633.68	N.A.	48.10
0-90	633.69	N.A.	48.10
10-90	321.18	N.A.	24.40
20-40	197.47	N.A.	15.00
20-50	206.50	N.A.	15.70
40-70	10.17	N.A.	0.80
60-80	0.07	N.A.	0.00
70-80	0.01	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	1.41	N.A.	0.10
90-120	2.29	N.A.	0.20
90-130	3.35	N.A.	0.30
90-150	48.76	N.A.	3.70
90-180	683.40	N.A.	51.90
110-180	681.98	N.A.	51.80
0-180	1317.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	312.50
10-20	113.54
20-30	106.19
30-40	91.29
40-50	9.03
50-60	1.07
60-70	0.07
70-80	0.01
80-90	0.00
90-100	0.58
100-110	0.83
110-120	0.87
120-130	1.06
130-140	1.86
140-150	43.55
150-160	113.05
160-170	154.13
170-180	367.46

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

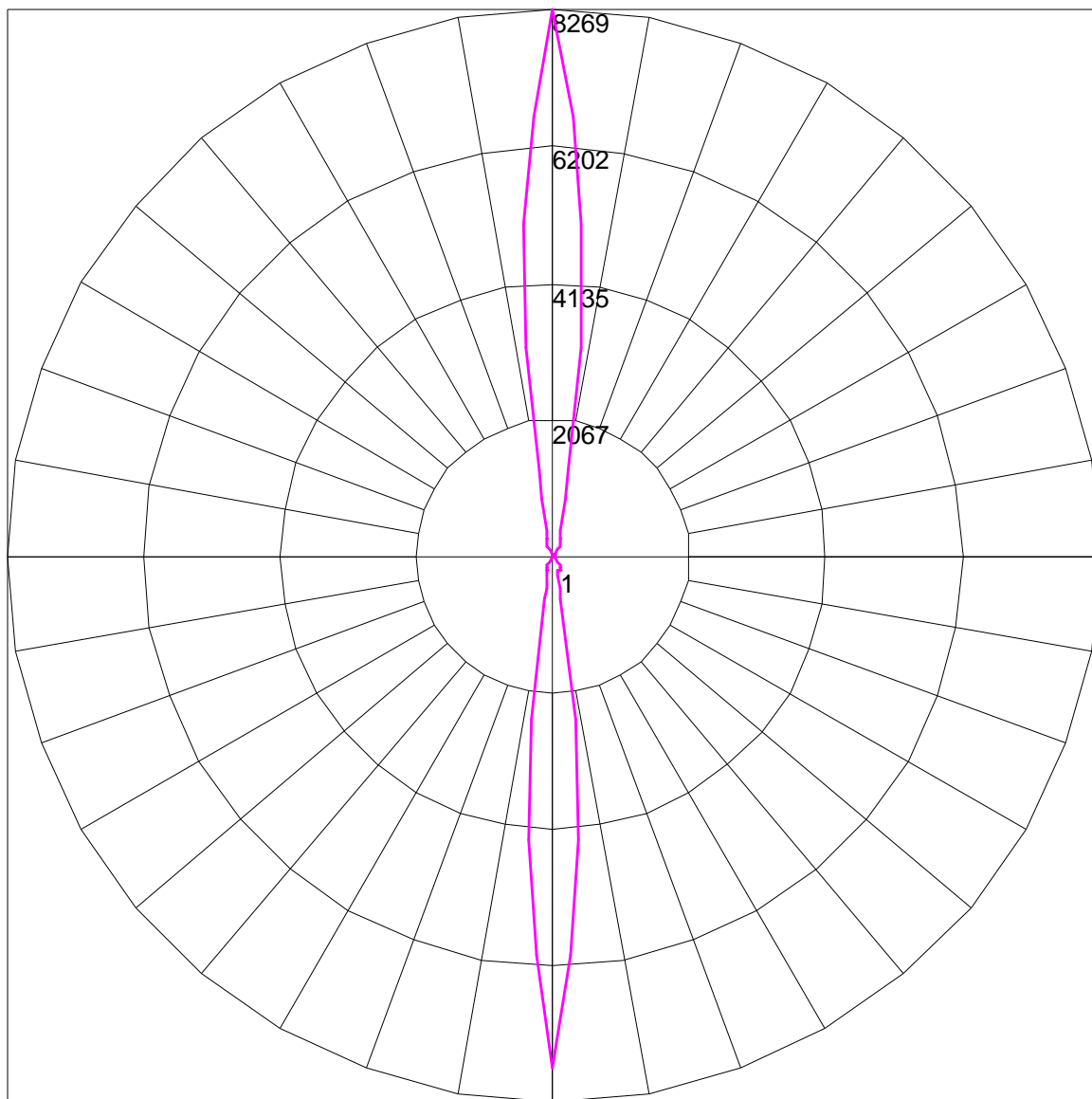
Effective Floor Cavity Reflectance 0.20

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	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	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 = 8269.085 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180)