

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00656_3 ~ C0816ADJUXT-10LXWGL-10LXW-XXK-EX-TSG-SO (UP_DOWN).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00656_3_M-10L
 [TESTLAB] Photopia 2015.1.1 see: www.ltiopics.com/ies
 [TESTDATE] Thu Aug 11 2016
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE]
 [UPDATE] 4/4/2018
 [LUMCAT] C0816ADJUXT-10L-XW-GL-10L-XW-xxK-EX-TSG-GL-xxx (Up/Down)
 [LUMINAIRE] 8" Diam. x 16" H, Direct/Indirect Cylinder, Wall Mounted
 [OTHER] Uplight: Xtra Wide Beam, Flush Clear Glass lens
 [OTHER] Uplight: 63 Degree Beam Angle
 [OTHER] Downlight: Xtra Wide Beam, Flush Clear Glass lens
 [OTHER] Downlight: 60.1 Degree Beam Angle
 [OTHER] Trim: Semi-diffuse clear anodized alum.
 [LAMP] N/A
 [LAMPCAT] N/A, 19mm LES indirect
 [OTHER] N/A, 19mm 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] This report prepared by Spectrum Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1665
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	18.2
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_3 ~ C0816ADJXT-10LXWGL-10LXW-XXK-EX-TSG-SO (UP_DOWN).IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2962	2956	2999
55	562	558	553
65	46	55	53
75	5	5	4
85	4	2	4

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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	846.073	846.073	846.073	846.073	846.073
2.5	852.351	847.777	853.219	848.462	847.897
5.0	858.628	849.475	860.365	850.850	849.716
7.5	847.164	842.300	850.204	844.298	849.234
10.0	835.700	835.125	840.042	837.745	848.751
12.5	799.001	798.909	799.782	797.143	806.692
15.0	762.302	762.688	759.523	756.541	764.627
17.5	702.235	705.965	702.660	703.133	704.358
20.0	642.169	649.242	645.797	649.720	644.084
22.5	587.661	591.381	591.005	593.740	589.562
25.0	533.148	533.520	536.212	537.761	535.039
27.5	482.900	480.618	483.383	483.808	481.270
30.0	432.653	427.717	430.549	429.854	427.500
32.5	374.642	371.983	374.748	375.279	373.744
35.0	316.631	316.250	318.942	320.703	319.984
37.5	254.437	253.906	254.929	256.169	255.585
40.0	192.238	191.562	190.916	191.635	191.186
42.5	125.995	125.315	125.271	126.063	125.841
45.0	59.753	59.063	59.627	60.491	60.496
47.5	38.952	38.219	38.586	39.029	39.179
50.0	18.152	17.375	17.544	17.568	17.857
52.5	13.679	13.307	13.336	13.235	13.457
55.0	9.201	9.235	9.124	8.897	9.057
57.5	6.514	6.470	6.379	6.210	6.422
60.0	3.821	3.701	3.628	3.517	3.783
62.5	2.191	2.152	2.147	2.051	2.215
65.0	0.555	0.598	0.661	0.584	0.642
67.5	0.299	0.333	0.367	0.323	0.352
70.0	0.043	0.063	0.072	0.063	0.058
72.5	0.043	0.048	0.058	0.048	0.043
75.0	0.039	0.029	0.039	0.029	0.029
77.5	0.029	0.029	0.029	0.024	0.029
80.0	0.014	0.024	0.014	0.019	0.024
82.5	0.014	0.019	0.010	0.014	0.019
85.0	0.010	0.010	0.005	0.010	0.010
87.5	0.005	0.005	0.005	0.005	0.010
90.0	0.000	0.000	0.000	0.000	0.005
92.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
102.5	0.010	0.010	0.005	0.005	0.019
105.0	0.019	0.014	0.005	0.010	0.034
107.5	0.425	0.463	0.425	0.458	0.502
110.0	0.825	0.912	0.840	0.907	0.965
112.5	1.110	1.182	1.124	1.076	1.129
115.0	1.390	1.447	1.409	1.240	1.293
117.5	2.133	2.147	2.128	2.109	2.012
120.0	2.876	2.847	2.842	2.972	2.731
122.5	3.619	3.657	3.570	3.725	3.628
125.0	4.357	4.468	4.294	4.478	4.526

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127.5	15.956	16.342	16.226	16.000	16.328
130.0	27.556	28.212	28.154	27.517	28.130
132.5	76.544	76.780	76.727	75.540	77.190
135.0	125.532	125.349	125.296	123.563	126.246
137.5	178.009	177.174	177.999	176.064	177.328
140.0	230.485	228.994	230.698	228.560	228.411
142.5	281.283	281.317	282.716	280.361	280.260
145.0	332.076	333.634	334.730	332.163	332.110
147.5	374.430	376.615	376.398	374.965	375.776
150.0	416.783	419.592	418.062	417.763	419.437
152.5	467.108	467.581	466.245	466.881	469.555
155.0	517.428	515.566	514.422	516.000	519.667
157.5	575.926	575.902	576.105	579.347	575.946
160.0	634.420	636.239	637.783	642.695	632.225
162.5	723.929	723.142	725.328	726.486	722.100
165.0	813.437	810.040	812.873	810.277	811.970
167.5	868.867	875.607	874.531	872.886	865.822
170.0	924.296	941.174	936.190	935.495	919.674
172.5	946.187	953.304	951.664	951.697	938.487
175.0	968.073	965.434	967.137	967.900	957.299
177.5	954.925	953.603	954.457	954.839	949.536
180.0	941.357	941.357	941.357	941.357	941.357

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Zone	Lumens	%Lamp	%Fixt
0-20	291.16	N.A.	17.50
0-30	536.70	N.A.	32.20
0-40	731.37	N.A.	43.90
0-60	801.91	N.A.	48.20
0-80	803.15	N.A.	48.20
0-90	803.16	N.A.	48.20
10-90	722.32	N.A.	43.40
20-40	440.21	N.A.	26.40
20-50	502.01	N.A.	30.10
40-70	71.74	N.A.	4.30
60-80	1.24	N.A.	0.10
70-80	0.04	N.A.	0.00
80-90	0.01	N.A.	0.00
90-110	0.24	N.A.	0.00
90-120	1.83	N.A.	0.10
90-130	10.51	N.A.	0.60
90-150	310.69	N.A.	18.70
90-180	862.17	N.A.	51.80
110-180	861.93	N.A.	51.80
0-180	1665.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	80.85
10-20	210.32
20-30	245.53
30-40	194.67
40-50	61.80
50-60	8.74
60-70	1.20
70-80	0.04
80-90	0.01
90-100	0.00
100-110	0.24
110-120	1.59
120-130	8.67
130-140	96.11
140-150	204.07
150-160	238.67
160-170	222.09
170-180	90.73

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

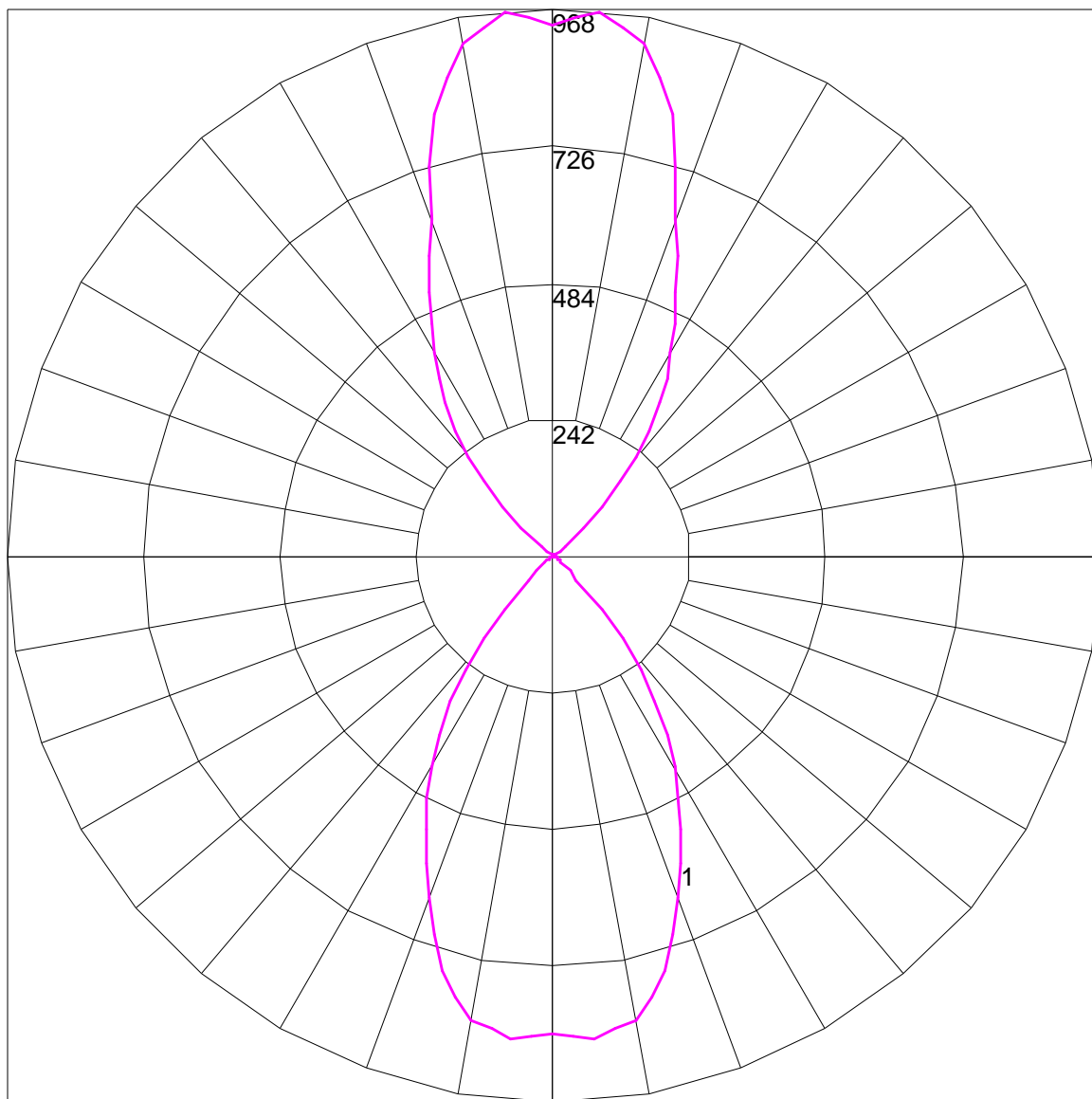
Effective Floor Cavity Reflectance 0.20

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	55	55	55	48
1	100	96	93	90	92	89	86	84	75	74	72	63	62	61	52	51	50	45
2	93	87	82	78	86	81	77	73	69	66	64	58	56	55	48	47	46	42
3	86	79	73	68	80	73	68	64	63	60	57	54	52	50	45	44	43	39
4	81	72	65	60	75	67	62	57	58	54	51	50	47	45	43	41	39	36
5	75	66	59	54	70	62	56	51	54	50	46	47	44	41	40	38	36	33
6	70	60	54	49	65	57	51	46	50	45	42	44	40	38	38	35	34	31
7	66	56	49	44	61	52	46	42	46	42	39	41	37	35	35	33	31	29
8	62	51	45	40	58	49	43	39	43	39	35	38	35	32	33	31	29	27
9	58	48	41	37	54	45	39	36	40	36	33	36	32	30	31	29	27	25
10	55	44	38	34	51	42	37	33	38	33	30	34	30	28	30	27	26	24

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POLAR GRAPH



Maximum Candela = 968.073 Located At Horizontal Angle = 0, Vertical Angle = 175
1 - Vertical Plane Through Horizontal Angles (0 - 180)