

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00657 ~ C0816ADJUDXT-20LMDGL-20LMD-XXK-EX-TSG-SO (UP_DOWN).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00657
 [TESTLAB] Photopia 2015.1.1 see: www.ltioptics.com/ies
 [TESTDATE] Thu Aug 11 2016
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE]
 [UPDATE] 4/5/2018
 [LUMCAT] C0816ADJUDXT-20L-MD-GL-20L-MD-xxK-EX-TSG-SO (Up/Down)
 [LUMINAIRE] 8" Diam. x 16" H, Direct/Indirect Cylinder, Wall Mounted
 [OTHER] Uplight: Medium Beam, Flush Clear Glass lens
 [OTHER] Uplight: 40 Degree Beam Angle
 [OTHER] Downlight: Medium Beam, Flush Solite lens
 [OTHER] Downlight: 46.1 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	3341
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	43.4
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	4526	4544	4434
55	1484	1511	1535
65	880	873	902
75	581	519	570
85	16	12	20

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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	2338.26	2338.26	2338.26	2338.26	2338.26
2.5	2293.84	2290.93	2294.02	2291.19	2282.88
5.0	2249.41	2243.59	2249.77	2244.12	2227.50
7.5	2154.61	2142.97	2148.60	2140.61	2135.83
10.0	2059.81	2042.35	2047.42	2037.09	2044.15
12.5	1882.93	1876.73	1877.37	1865.06	1877.34
15.0	1706.04	1711.10	1707.32	1693.03	1710.52
17.5	1517.32	1515.32	1516.37	1510.11	1521.10
20.0	1328.59	1319.53	1325.42	1327.19	1331.68
22.5	1171.30	1163.94	1167.62	1169.77	1166.83
25.0	1014.01	1008.34	1009.82	1012.35	1001.98
27.5	878.46	876.17	872.41	877.33	875.83
30.0	742.91	744.00	734.99	742.31	749.67
32.5	619.05	621.26	617.05	619.64	623.90
35.0	495.19	498.51	499.10	496.96	498.12
37.5	371.89	374.35	374.84	372.30	372.93
40.0	248.58	250.19	250.57	247.63	247.74
42.5	169.95	170.98	171.12	168.92	168.59
45.0	91.31	91.77	91.67	90.21	89.44
47.5	66.38	66.88	66.61	65.59	64.90
50.0	41.44	41.99	41.55	40.96	40.35
52.5	32.86	33.85	33.14	32.69	32.73
55.0	24.28	25.70	24.72	24.42	25.11
57.5	20.30	21.04	20.92	20.21	20.31
60.0	16.32	16.37	17.12	16.00	15.50
62.5	13.47	13.47	13.83	13.21	13.19
65.0	10.61	10.57	10.53	10.42	10.88
67.5	8.76	8.73	8.58	8.75	9.10
70.0	6.90	6.89	6.63	7.07	7.31
72.5	5.60	5.56	5.23	5.43	5.76
75.0	4.29	4.22	3.83	3.79	4.21
77.5	2.20	2.19	1.99	1.95	2.19
80.0	0.10	0.15	0.14	0.11	0.17
82.5	0.07	0.10	0.09	0.08	0.11
85.0	0.04	0.05	0.03	0.05	0.05
87.5	0.02	0.03	0.02	0.03	0.03
90.0	0.00	0.01	0.00	0.01	0.00
92.5	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00
107.5	0.27	0.33	0.26	0.29	0.24
110.0	0.53	0.65	0.52	0.57	0.47
112.5	1.71	1.72	1.64	1.70	1.54
115.0	2.88	2.78	2.75	2.83	2.60
117.5	3.00	2.93	2.91	2.90	2.77
120.0	3.12	3.07	3.07	2.96	2.93
122.5	3.65	3.63	3.68	3.54	3.64
125.0	4.18	4.19	4.29	4.11	4.35

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127.5	30.68	31.38	30.50	31.34	31.09
130.0	57.17	58.56	56.71	58.56	57.83
132.5	188.95	189.41	189.48	190.18	190.30
135.0	320.73	320.26	322.25	321.80	322.77
137.5	416.54	418.53	419.79	418.70	419.72
140.0	512.34	516.79	517.32	515.60	516.67
142.5	554.40	553.71	558.84	555.76	555.43
145.0	596.46	590.63	600.36	595.92	594.19
147.5	667.86	662.73	670.07	665.16	665.20
150.0	739.25	734.82	739.78	734.39	736.20
152.5	860.76	858.77	858.92	857.73	859.29
155.0	982.27	982.72	978.05	981.07	982.38
157.5	1102.33	1099.58	1101.24	1099.73	1100.28
160.0	1222.39	1216.44	1224.43	1218.39	1218.17
162.5	1387.30	1379.68	1386.28	1379.40	1385.22
165.0	1552.21	1542.91	1548.12	1540.41	1552.26
167.5	1888.25	1888.99	1882.16	1884.60	1882.00
170.0	2224.29	2235.07	2216.19	2228.79	2211.74
172.5	2445.93	2475.61	2465.90	2454.97	2445.14
175.0	2667.56	2716.14	2715.60	2681.15	2678.54
177.5	2722.21	2746.50	2746.23	2729.00	2727.70
180.0	2776.00	2776.00	2776.00	2776.00	2776.00

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Zone	Lumens	%Lamp	%Fixt
0-20	677.44	N.A.	20.30
0-30	1142.43	N.A.	34.20
0-40	1448.4	N.A.	43.30
0-60	1561.57	N.A.	46.70
0-80	1576.5	N.A.	47.20
0-90	1576.56	N.A.	47.20
10-90	1369.23	N.A.	41.00
20-40	770.97	N.A.	23.10
20-50	860.24	N.A.	25.70
40-70	124.13	N.A.	3.70
60-80	14.93	N.A.	0.40
70-80	3.97	N.A.	0.10
80-90	0.06	N.A.	0.00
90-110	0.15	N.A.	0.00
90-120	2.40	N.A.	0.10
90-130	17.47	N.A.	0.50
90-150	629.35	N.A.	18.80
90-180	1764.77	N.A.	52.80
110-180	1764.63	N.A.	52.80
0-180	3341.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	207.33
10-20	470.11
20-30	464.99
30-40	305.97
40-50	89.28
50-60	23.89
60-70	10.96
70-80	3.97
80-90	0.06
90-100	0.00
100-110	0.15
110-120	2.25
120-130	15.07
130-140	230.77
140-150	381.10
150-160	446.91
160-170	448.69
170-180	239.83

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

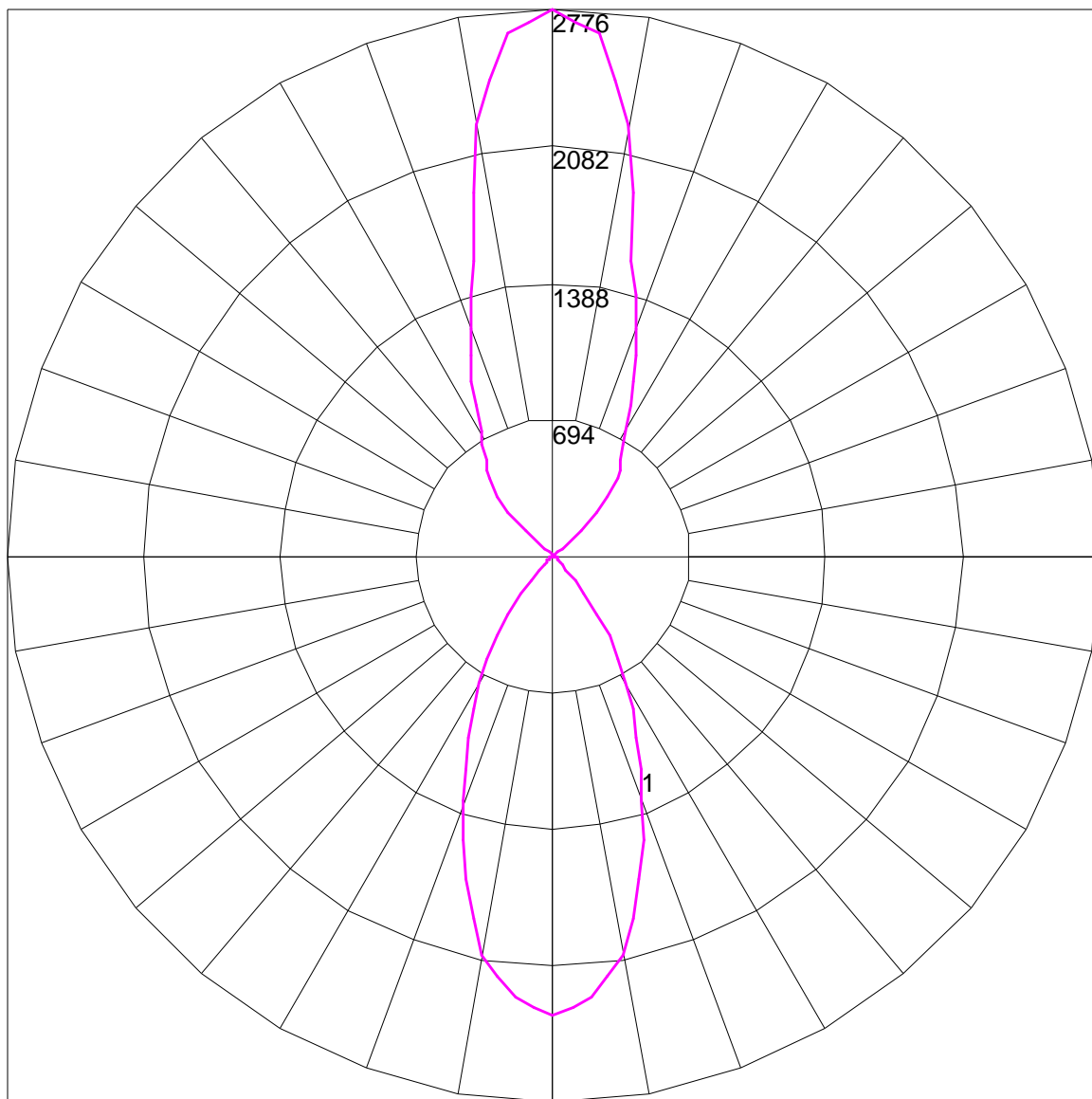
Effective Floor Cavity Reflectance 0.20

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	106	106	106	106	98	98	98	98	82	82	82	67	67	67	54	54	54	47
1	99	96	93	90	91	89	86	84	75	73	72	62	61	60	51	50	50	44
2	93	87	82	78	85	81	76	73	69	66	63	58	56	54	48	47	46	41
3	86	79	73	68	80	73	68	64	63	60	57	54	51	49	45	44	42	38
4	81	72	66	61	75	67	62	58	58	54	51	50	47	45	42	41	39	36
5	75	66	59	55	70	62	56	52	54	50	47	47	44	42	40	38	37	34
6	71	61	54	49	66	57	51	47	50	46	43	44	41	38	38	36	34	31
7	66	56	50	45	62	53	47	43	47	43	39	41	38	36	36	34	32	30
8	63	52	46	41	58	49	44	40	44	40	36	39	36	33	34	32	30	28
9	59	49	42	38	55	46	40	37	41	37	34	37	33	31	32	30	28	26
10	56	46	39	35	52	43	38	34	39	34	32	35	31	29	31	28	27	25

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POLAR GRAPH



Maximum Candela = 2776 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180)