

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00656_3 ~ C0816ADJUXT-20LXWGL-20LXW-XXK-EX-TSG-SO (UP_DOWN).IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00656_3
[TESTLAB] Photopia 2015.1.1 see: www.ltioptics.com/ies
[TESTDATE] Thu Aug 11 2016
[MANUFAC] Spectrum Lighting
[ISSUEDATE]
[UPDATE] 4/4/2018
[LUMCAT] C0816ADJUXT-20L-XW-GL-20L-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	3451
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
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	6139	6126	6215
55	1165	1156	1147
65	95	114	110
75	11	11	8
85	8	4	8

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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	1753.52	1753.52	1753.52	1753.52	1753.52
2.5	1766.53	1757.05	1768.33	1758.47	1757.30
5.0	1779.54	1760.57	1783.14	1763.42	1761.07
7.5	1755.78	1745.70	1762.08	1749.84	1760.07
10.0	1732.02	1730.83	1741.02	1736.26	1759.07
12.5	1655.96	1655.77	1657.58	1652.11	1671.90
15.0	1579.90	1580.70	1574.14	1567.96	1584.72
17.5	1455.41	1463.14	1456.29	1457.27	1459.81
20.0	1330.92	1345.58	1338.44	1346.57	1334.89
22.5	1217.95	1225.66	1224.88	1230.55	1221.89
25.0	1104.97	1105.74	1111.32	1114.53	1108.89
27.5	1000.83	996.10	1001.83	1002.71	997.45
30.0	896.69	886.46	892.33	890.89	886.01
32.5	776.46	770.95	776.68	777.78	774.60
35.0	656.23	655.44	661.02	664.67	663.18
37.5	527.33	526.23	528.35	530.92	529.71
40.0	398.42	397.02	395.68	397.17	396.24
42.5	261.13	259.72	259.63	261.27	260.81
45.0	123.84	122.41	123.58	125.37	125.38
47.5	80.73	79.21	79.97	80.89	81.20
50.0	37.62	36.01	36.36	36.41	37.01
52.5	28.35	27.58	27.64	27.43	27.89
55.0	19.07	19.14	18.91	18.44	18.77
57.5	13.50	13.41	13.22	12.87	13.31
60.0	7.92	7.67	7.52	7.29	7.84
62.5	4.54	4.46	4.45	4.25	4.59
65.0	1.15	1.24	1.37	1.21	1.33
67.5	0.62	0.69	0.76	0.67	0.73
70.0	0.09	0.13	0.15	0.13	0.12
72.5	0.09	0.10	0.12	0.10	0.09
75.0	0.08	0.06	0.08	0.06	0.06
77.5	0.06	0.06	0.06	0.05	0.06
80.0	0.03	0.05	0.03	0.04	0.05
82.5	0.03	0.04	0.02	0.03	0.04
85.0	0.02	0.02	0.01	0.02	0.02
87.5	0.01	0.01	0.01	0.01	0.02
90.0	0.00	0.00	0.00	0.00	0.01
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	0.02	0.02	0.01	0.01	0.04
105.0	0.04	0.03	0.01	0.02	0.07
107.5	0.88	0.96	0.88	0.95	1.04
110.0	1.71	1.89	1.74	1.88	2.00
112.5	2.30	2.45	2.33	2.23	2.34
115.0	2.88	3.00	2.92	2.57	2.68
117.5	4.42	4.45	4.41	4.37	4.17
120.0	5.96	5.90	5.89	6.16	5.66
122.5	7.50	7.58	7.40	7.72	7.52
125.0	9.03	9.26	8.90	9.28	9.38

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127.5	33.07	33.87	33.63	33.16	33.84
130.0	57.11	58.47	58.35	57.03	58.30
132.5	158.64	159.13	159.02	156.56	159.98
135.0	260.17	259.79	259.68	256.09	261.65
137.5	368.93	367.20	368.91	364.90	367.52
140.0	477.69	474.60	478.13	473.70	473.39
142.5	582.97	583.04	585.94	581.06	580.85
145.0	688.24	691.47	693.74	688.42	688.31
147.5	776.02	780.55	780.10	777.13	778.81
150.0	863.80	869.62	866.45	865.83	869.30
152.5	968.10	969.08	966.31	967.63	973.17
155.0	1072.39	1068.53	1066.16	1069.43	1077.03
157.5	1193.63	1193.58	1194.00	1200.72	1193.67
160.0	1314.86	1318.63	1321.83	1332.01	1310.31
162.5	1500.37	1498.74	1503.27	1505.67	1496.58
165.0	1685.88	1678.84	1684.71	1679.33	1682.84
167.5	1800.76	1814.73	1812.50	1809.09	1794.45
170.0	1915.64	1950.62	1940.29	1938.85	1906.06
172.5	1961.01	1975.76	1972.36	1972.43	1945.05
175.0	2006.37	2000.90	2004.43	2006.01	1984.04
177.5	1979.12	1976.38	1978.15	1978.94	1967.95
180.0	1951.00	1951.00	1951.00	1951.00	1951.00

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Zone	Lumens	%Lamp	%Fixt
0-20	603.45	N.A.	17.50
0-30	1112.33	N.A.	32.20
0-40	1515.8	N.A.	43.90
0-60	1661.99	N.A.	48.20
0-80	1664.57	N.A.	48.20
0-90	1664.59	N.A.	48.20
10-90	1497.03	N.A.	43.40
20-40	912.35	N.A.	26.40
20-50	1040.43	N.A.	30.10
40-70	148.69	N.A.	4.30
60-80	2.58	N.A.	0.10
70-80	0.08	N.A.	0.00
80-90	0.02	N.A.	0.00
90-110	0.50	N.A.	0.00
90-120	3.80	N.A.	0.10
90-130	21.78	N.A.	0.60
90-150	643.91	N.A.	18.70
90-180	1786.89	N.A.	51.80
110-180	1786.39	N.A.	51.80
0-180	3451.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	167.55
10-20	435.90
20-30	508.88
30-40	403.47
40-50	128.09
50-60	18.10
60-70	2.50
70-80	0.08
80-90	0.02
90-100	0.00
100-110	0.50
110-120	3.30
120-130	17.98
130-140	199.19
140-150	422.94
150-160	494.64
160-170	460.28
170-180	188.04

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

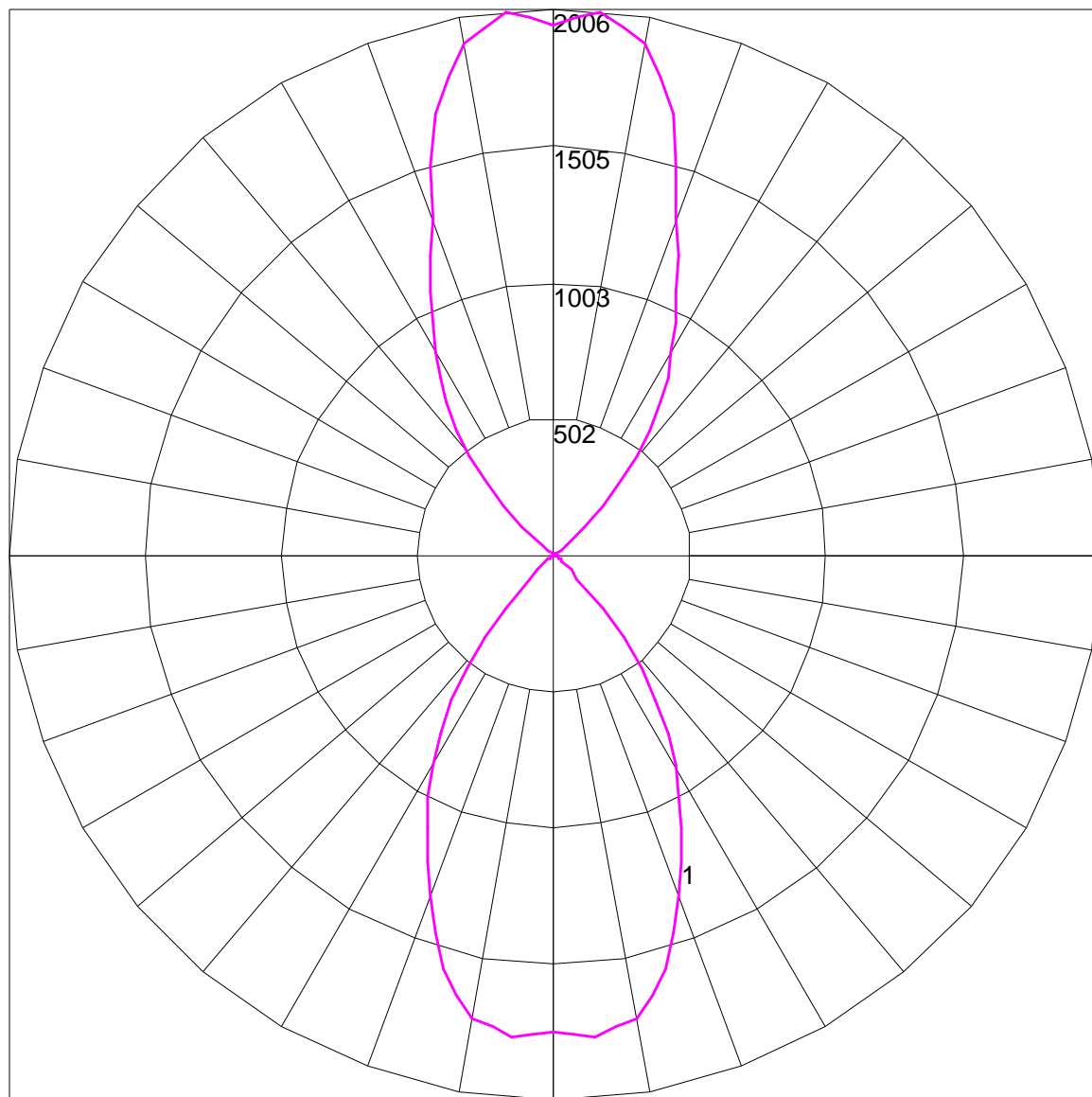
Effective Floor Cavity Reflectance 0.20

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 = 2006.37 Located At Horizontal Angle = 0, Vertical Angle = 175
1 - Vertical Plane Through Horizontal Angles (0 - 180)