

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00656_1 ~ C0816ADJUXT-20LNDGL-20LND-XXK-EX-TSG-GL (UP_DOWN).IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00656_1
 [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-ND-GL-20L-ND-xxK-EX-TSG-SO (Up/Down)
 [LUMINAIRE] 8" Diam. x 16" H, Direct/Indirect Cylinder, Wall Mounted
 [OTHER] Uplight: Narrow Beam, Flush Clear Glass lens
 [OTHER] Uplight: 26 Degree Beam Angle
 [OTHER] Downlight: Narrow Beam, Flush Clear Glass lens
 [OTHER] Downlight: 25.9 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	3611
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
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	1763	1792	1890
55	158	139	145
65	0	2	2
75	1	3	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	6299.35	6299.35	6299.35	6299.35	6299.35
2.5	6151.58	6160.08	6164.68	6176.02	6175.69
5.0	6003.80	6020.80	6030.01	6052.69	6052.02
7.5	5229.06	5227.59	5237.33	5249.99	5236.08
10.0	4454.31	4434.38	4444.65	4447.29	4420.14
12.5	3343.01	3335.57	3347.25	3346.75	3331.19
15.0	2231.70	2236.76	2249.85	2246.20	2242.23
17.5	1615.36	1621.90	1625.46	1623.46	1617.97
20.0	999.02	1007.04	1001.06	1000.72	993.70
22.5	845.49	848.70	842.55	844.47	838.49
25.0	691.96	690.36	684.04	688.22	683.28
27.5	635.10	635.49	631.95	634.24	632.67
30.0	578.23	580.61	579.86	580.25	582.06
32.5	502.09	501.87	501.77	502.41	502.05
35.0	425.94	423.13	423.68	424.57	422.04
37.5	312.02	311.28	312.33	311.84	310.95
40.0	198.09	199.43	200.97	199.11	199.86
42.5	116.83	117.95	118.56	117.43	118.99
45.0	35.57	36.46	36.15	35.75	38.12
47.5	22.78	23.13	22.79	22.62	24.07
50.0	9.98	9.80	9.42	9.48	10.02
52.5	6.28	6.07	5.85	5.93	6.20
55.0	2.58	2.33	2.28	2.38	2.37
57.5	1.74	1.54	1.68	1.61	1.66
60.0	0.89	0.75	1.07	0.84	0.94
62.5	0.45	0.39	0.55	0.43	0.49
65.0	0.00	0.02	0.03	0.01	0.03
67.5	0.01	0.02	0.03	0.02	0.03
70.0	0.01	0.02	0.03	0.02	0.02
72.5	0.01	0.02	0.03	0.02	0.02
75.0	0.01	0.01	0.02	0.02	0.01
77.5	0.01	0.02	0.02	0.02	0.02
80.0	0.00	0.02	0.01	0.01	0.02
82.5	0.00	0.02	0.01	0.01	0.02
85.0	0.00	0.01	0.01	0.00	0.01
87.5	0.00	0.01	0.01	0.00	0.01
90.0	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00
117.5	0.01	0.01	0.01	0.00	0.01
120.0	0.02	0.01	0.01	0.00	0.02
122.5	0.83	0.74	0.82	0.80	0.82
125.0	1.63	1.46	1.63	1.59	1.61

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127.5	4.42	4.20	4.23	4.18	4.18
130.0	7.21	6.94	6.83	6.77	6.75
132.5	9.50	9.89	9.55	9.92	9.68
135.0	11.79	12.83	12.27	13.06	12.60
137.5	53.07	53.19	51.78	52.38	53.55
140.0	94.35	93.54	91.28	91.70	94.49
142.5	212.49	212.20	211.97	210.95	211.92
145.0	330.63	330.86	332.65	330.19	329.34
147.5	454.57	452.92	453.43	452.35	451.63
150.0	578.50	574.98	574.20	574.51	573.91
152.5	653.97	653.55	653.33	652.81	651.26
155.0	729.43	732.11	732.46	731.11	728.60
157.5	867.59	871.64	868.53	870.54	865.73
160.0	1005.75	1011.17	1004.59	1009.97	1002.85
162.5	1578.21	1573.70	1569.77	1575.19	1574.02
165.0	2150.67	2136.23	2134.94	2140.41	2145.18
167.5	3514.12	3489.57	3490.89	3495.28	3506.96
170.0	4877.56	4842.91	4846.84	4850.14	4868.73
172.5	5694.86	5695.05	5702.29	5695.06	5698.87
175.0	6512.15	6547.19	6557.73	6539.97	6529.00
177.5	6509.63	6527.15	6532.42	6523.54	6518.06
180.0	6507.00	6507.00	6507.00	6507.00	6507.00

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Zone	Lumens	%Lamp	%Fixt
0-20	1170.41	N.A.	32.40
0-30	1506.83	N.A.	41.70
0-40	1757.78	N.A.	48.70
0-60	1813.7	N.A.	50.20
0-80	1813.95	N.A.	50.20
0-90	1813.96	N.A.	50.20
10-90	1297.37	N.A.	35.90
20-40	587.37	N.A.	16.30
20-50	639.93	N.A.	17.70
40-70	56.15	N.A.	1.60
60-80	0.25	N.A.	0.00
70-80	0.02	N.A.	0.00
80-90	0.01	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	2.20	N.A.	0.10
90-150	228.35	N.A.	6.30
90-180	1796.6	N.A.	49.80
110-180	1796.6	N.A.	49.80
0-180	3610.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	516.59
10-20	653.82
20-30	336.42
30-40	250.95
40-50	52.56
50-60	3.36
60-70	0.23
70-80	0.02
80-90	0.01
90-100	0.00
100-110	0.00
110-120	0.00
120-130	2.19
130-140	23.25
140-150	202.90
150-160	346.47
160-170	663.07
170-180	558.71

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

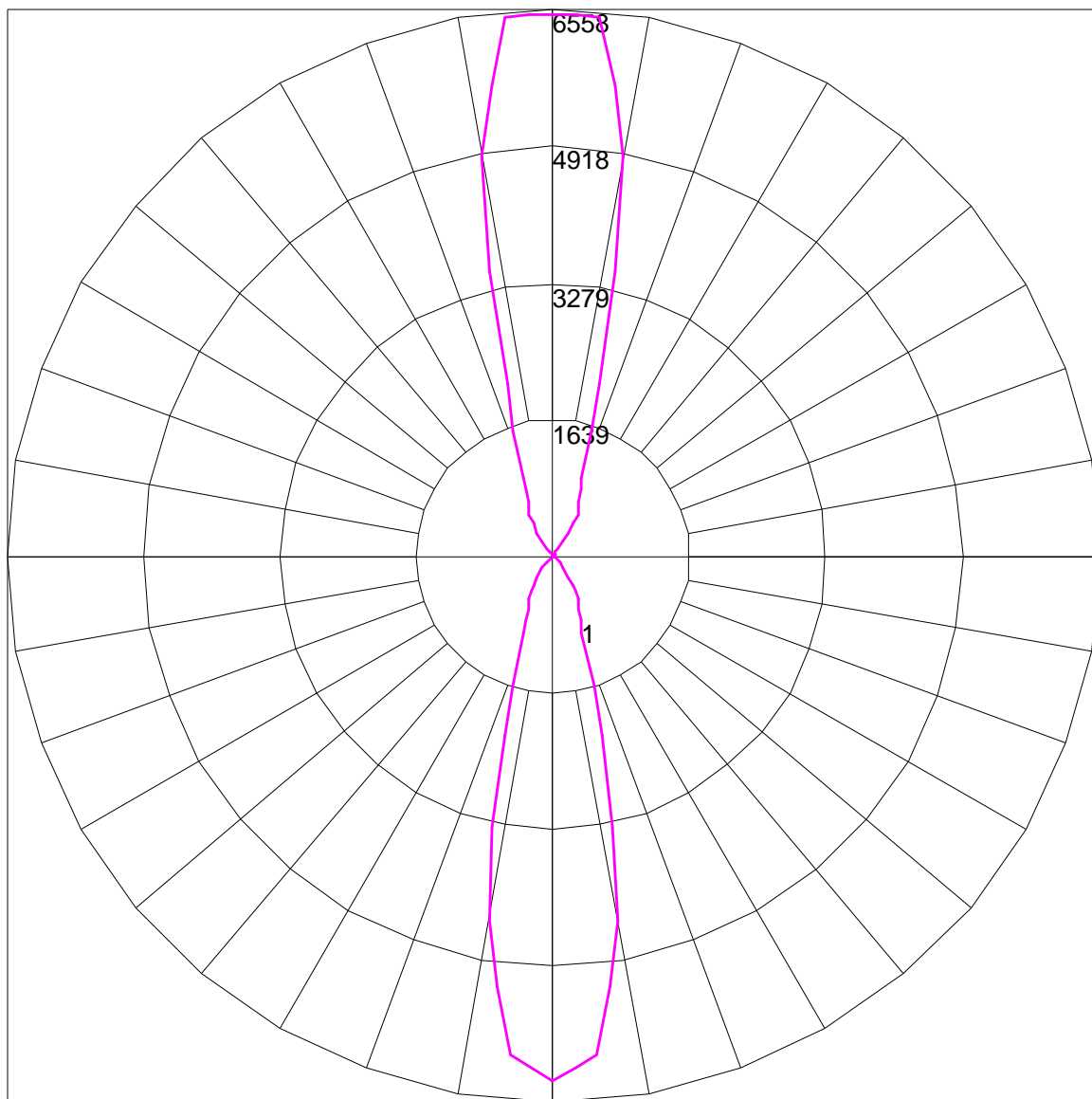
Effective Floor Cavity Reflectance 0.20

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	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	101	97	95	92	93	90	88	86	77	76	74	65	64	63	54	54	53	48
2	95	89	85	81	88	83	79	76	72	69	67	62	60	58	52	51	50	46
3	89	82	77	72	83	77	72	69	67	64	61	58	56	54	50	48	47	44
4	84	76	70	65	78	71	66	62	63	59	56	55	53	51	48	46	45	42
5	79	70	64	60	74	67	61	57	59	55	52	52	50	48	46	44	43	40
6	75	66	60	55	70	62	57	53	56	52	49	50	47	45	44	42	41	38
7	71	62	56	51	67	59	53	50	53	49	46	47	45	42	42	40	39	37
8	67	58	52	48	63	55	50	46	50	46	43	45	42	40	41	39	37	35
9	64	55	49	45	61	52	47	44	48	44	41	43	41	38	39	37	36	34
10	61	52	46	43	58	50	45	41	46	42	39	42	39	37	38	36	34	33

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POLAR GRAPH



Maximum Candela = 6557.73 Located At Horizontal Angle = 45, Vertical Angle = 175
1 - Vertical Plane Through Horizontal Angles (0 - 180)