

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00657_1 ~ C0816ADJUDXT-10LNDGL-10LND-XXK-EX-TSG-GL (UP_DOWN).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00657_1_M-10L
 [TESTLAB] Photopia 2015.1.1 see: www.ltioptics.com/ies
 [TESTDATE] Thu Aug 11 2016
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE]
 [UPDATE] 4/6/2018
 [LUMCAT] C0816ADJUDXT-10L-ND-GL-10L-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, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1764
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
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-00657_1 ~ C0816ADJUDXT-10LNDGL-10LND-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	8	6	4
55	1	0	1
65	1	2	2
75	3	3	4
85	2	4	0

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00657_1 ~ C0816ADJUDXT-10LNDGL-10LND-XXK-EX-TSG-GL (UP_DOWN).IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	3155.748	3155.748	3155.748	3155.748	3155.748
2.5	3120.569	3112.279	3109.505	3111.324	3104.830
5.0	3085.390	3068.811	3063.262	3066.900	3053.911
7.5	2698.005	2689.518	2694.898	2694.097	2687.655
10.0	2310.615	2310.224	2326.528	2321.293	2321.399
12.5	1718.670	1721.425	1728.016	1726.839	1730.105
15.0	1126.724	1132.625	1129.499	1132.384	1138.811
17.5	810.499	815.835	814.450	815.357	819.328
20.0	494.273	499.040	499.402	498.331	499.841
22.5	418.106	419.674	420.296	418.752	420.484
25.0	341.933	340.302	341.190	339.173	341.123
27.5	313.832	311.589	311.965	311.425	312.274
30.0	285.727	282.875	282.735	283.676	283.425
32.5	246.036	246.726	247.209	245.144	245.192
35.0	206.346	210.577	211.678	206.606	206.954
37.5	140.229	142.062	142.762	140.890	140.552
40.0	74.107	73.543	73.847	75.173	74.151
42.5	37.133	36.829	36.988	37.649	37.114
45.0	0.159	0.111	0.130	0.121	0.072
47.5	0.092	0.063	0.082	0.068	0.048
50.0	0.019	0.014	0.034	0.014	0.019
52.5	0.019	0.014	0.019	0.014	0.014
55.0	0.014	0.014	0.005	0.010	0.010
57.5	0.014	0.014	0.010	0.010	0.010
60.0	0.010	0.010	0.014	0.010	0.010
62.5	0.010	0.014	0.019	0.014	0.019
65.0	0.010	0.014	0.024	0.014	0.024
67.5	0.010	0.010	0.019	0.014	0.014
70.0	0.010	0.005	0.014	0.014	0.005
72.5	0.014	0.010	0.019	0.014	0.019
75.0	0.019	0.014	0.019	0.014	0.029
77.5	0.014	0.010	0.014	0.010	0.024
80.0	0.010	0.000	0.010	0.005	0.014
82.5	0.010	0.005	0.010	0.005	0.010
85.0	0.005	0.005	0.010	0.000	0.000
87.5	0.005	0.005	0.005	0.000	0.000
90.0	0.000	0.005	0.000	0.000	0.000
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	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
117.5	0.005	0.005	0.005	0.000	0.005
120.0	0.010	0.005	0.005	0.000	0.010
122.5	0.400	0.357	0.396	0.386	0.396
125.0	0.786	0.704	0.786	0.767	0.777

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127.5	2.133	2.026	2.041	2.017	2.017
130.0	3.479	3.349	3.295	3.267	3.257
132.5	4.584	4.772	4.608	4.786	4.671
135.0	5.689	6.190	5.920	6.301	6.079
137.5	25.606	25.664	24.984	25.273	25.838
140.0	45.524	45.133	44.043	44.245	45.591
142.5	102.526	102.386	102.276	101.783	102.251
145.0	159.529	159.640	160.504	159.317	158.907
147.5	219.330	218.534	218.780	218.259	217.911
150.0	279.126	277.428	277.051	277.201	276.912
152.5	315.541	315.338	315.232	314.981	314.233
155.0	351.950	353.243	353.412	352.761	351.549
157.5	418.612	420.566	419.066	420.036	417.715
160.0	485.274	487.890	484.715	487.311	483.875
162.5	761.486	759.310	757.414	760.029	759.465
165.0	1037.698	1030.731	1030.109	1032.748	1035.049
167.5	1695.563	1683.717	1684.354	1686.473	1692.108
170.0	2353.423	2336.704	2338.600	2340.192	2349.162
172.5	2747.770	2747.862	2751.355	2747.866	2749.705
175.0	3142.112	3159.019	3164.105	3155.535	3150.242
177.5	3140.896	3149.350	3151.893	3147.608	3144.964
180.0	3139.627	3139.627	3139.627	3139.627	3139.627

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Zone	Lumens	%Lamp	%Fixt
0-20	598.33	N.A.	33.90
0-30	764.71	N.A.	43.30
0-40	883.93	N.A.	50.10
0-60	897.56	N.A.	50.90
0-80	897.59	N.A.	50.90
0-90	897.59	N.A.	50.90
10-90	633.02	N.A.	35.90
20-40	285.60	N.A.	16.20
20-50	299.22	N.A.	17.00
40-70	13.65	N.A.	0.80
60-80	0.03	N.A.	0.00
70-80	0.01	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	1.06	N.A.	0.10
90-150	110.18	N.A.	6.20
90-180	866.86	N.A.	49.10
110-180	866.86	N.A.	49.10
0-180	1764.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	264.57
10-20	333.76
20-30	166.38
30-40	119.22
40-50	13.62
50-60	0.01
60-70	0.01
70-80	0.01
80-90	0.01
90-100	0.00
100-110	0.00
110-120	0.00
120-130	1.06
130-140	11.22
140-150	97.90
150-160	167.17
160-170	319.93
170-180	269.58

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

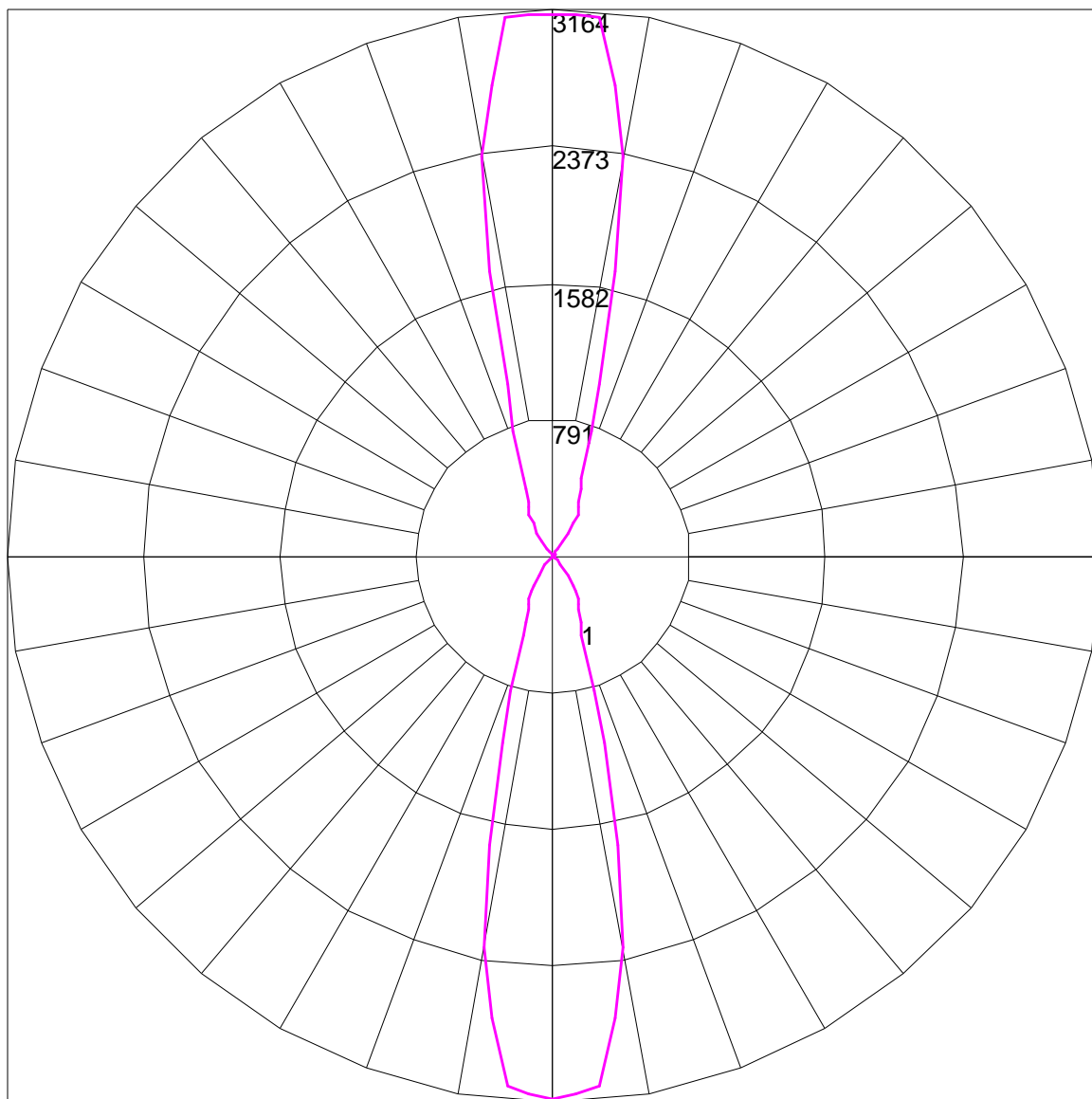
Effective Floor Cavity Reflectance 0.20

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	84	84	84	70	70	70	57	57	57	51
1	101	98	95	92	93	91	88	86	78	76	75	66	65	64	55	54	54	49
2	95	90	85	81	88	84	80	77	72	70	68	62	61	59	53	52	51	47
3	89	82	77	73	83	77	73	69	68	65	62	59	57	55	51	49	48	45
4	84	76	71	66	79	72	67	63	64	60	57	56	53	51	49	47	46	43
5	80	71	65	61	74	67	62	58	60	56	53	53	51	48	47	45	44	41
6	75	66	60	56	71	63	58	54	57	53	50	51	48	46	45	43	42	39
7	72	62	56	52	67	59	54	51	54	50	47	48	46	43	43	41	40	38
8	68	59	53	49	64	56	51	47	51	47	44	46	43	41	42	40	38	36
9	65	56	50	46	61	53	48	45	49	45	42	44	42	40	40	38	37	35
10	62	53	47	44	59	51	46	43	47	43	40	43	40	38	39	37	36	34

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POLAR GRAPH



Maximum Candela = 3164.105 Located At Horizontal Angle = 45, Vertical Angle = 175
1 - Vertical Plane Through Horizontal Angles (0 - 180)