

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00656\_1 ~ C0816ADJUXT-10LNDGL-10LND-XXK-EX-TSG-GL (UP\_DOWN).IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00656\_1\_M-10L  
 [TESTLAB] Photopia 2015.1.1 see: [www.ltioptics.com/ies](http://www.ltioptics.com/ies)  
 [TESTDATE] Thu Aug 11 2016  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE]  
 [UPDATE] 4/5/2018  
 [LUMCAT] C0816ADJUXT-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

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1742
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
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\_1 ~ C0816ADJXT-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	851	865	912
55	76	67	70
65	0	1	1
75	1	1	1
85	0	2	2

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00656\_1 ~ C0816ADJUXT-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>
<b>0.0</b>	3039.436	3039.436	3039.436	3039.436	3039.436
<b>2.5</b>	2968.137	2972.239	2974.458	2979.930	2979.770
<b>5.0</b>	2896.833	2905.036	2909.480	2920.423	2920.100
<b>7.5</b>	2523.021	2522.312	2527.012	2533.120	2526.409
<b>10.0</b>	2149.205	2139.588	2144.544	2145.817	2132.717
<b>12.5</b>	1613.002	1609.412	1615.048	1614.807	1607.299
<b>15.0</b>	1076.795	1079.237	1085.553	1083.791	1081.876
<b>17.5</b>	779.411	782.567	784.284	783.319	780.671
<b>20.0</b>	482.027	485.897	483.011	482.847	479.460
<b>22.5</b>	407.949	409.498	406.530	407.457	404.571
<b>25.0</b>	333.871	333.099	330.049	332.066	329.683
<b>27.5</b>	306.436	306.624	304.916	306.021	305.263
<b>30.0</b>	278.996	280.144	279.782	279.971	280.844
<b>32.5</b>	242.258	242.152	242.104	242.413	242.239
<b>35.0</b>	205.516	204.160	204.426	204.855	203.634
<b>37.5</b>	150.550	150.193	150.699	150.463	150.033
<b>40.0</b>	95.578	96.225	96.968	96.071	96.432
<b>42.5</b>	56.370	56.911	57.205	56.660	57.413
<b>45.0</b>	17.163	17.592	17.442	17.249	18.393
<b>47.5</b>	10.991	11.160	10.996	10.914	11.614
<b>50.0</b>	4.815	4.728	4.545	4.574	4.835
<b>52.5</b>	3.030	2.929	2.823	2.861	2.991
<b>55.0</b>	1.245	1.124	1.100	1.148	1.144
<b>57.5</b>	0.840	0.743	0.811	0.777	0.801
<b>60.0</b>	0.429	0.362	0.516	0.405	0.454
<b>62.5</b>	0.217	0.188	0.265	0.207	0.236
<b>65.0</b>	0.000	0.010	0.014	0.005	0.014
<b>67.5</b>	0.005	0.010	0.014	0.010	0.014
<b>70.0</b>	0.005	0.010	0.014	0.010	0.010
<b>72.5</b>	0.005	0.010	0.014	0.010	0.010
<b>75.0</b>	0.005	0.005	0.010	0.010	0.005
<b>77.5</b>	0.005	0.010	0.010	0.010	0.010
<b>80.0</b>	0.000	0.010	0.005	0.005	0.010
<b>82.5</b>	0.000	0.010	0.005	0.005	0.010
<b>85.0</b>	0.000	0.005	0.005	0.000	0.005
<b>87.5</b>	0.000	0.005	0.005	0.000	0.005
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000
<b>92.5</b>	0.000	0.000	0.000	0.000	0.000
<b>95.0</b>	0.000	0.000	0.000	0.000	0.000
<b>97.5</b>	0.000	0.000	0.000	0.000	0.000
<b>100.0</b>	0.000	0.000	0.000	0.000	0.000
<b>102.5</b>	0.000	0.000	0.000	0.000	0.000
<b>105.0</b>	0.000	0.000	0.000	0.000	0.000
<b>107.5</b>	0.000	0.000	0.000	0.000	0.000
<b>110.0</b>	0.000	0.000	0.000	0.000	0.000
<b>112.5</b>	0.000	0.000	0.000	0.000	0.000
<b>115.0</b>	0.000	0.000	0.000	0.000	0.000
<b>117.5</b>	0.005	0.005	0.005	0.000	0.005
<b>120.0</b>	0.010	0.005	0.005	0.000	0.010
<b>122.5</b>	0.400	0.357	0.396	0.386	0.396
<b>125.0</b>	0.786	0.704	0.786	0.767	0.777

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00656\_1 ~ C0816ADJUXT-10LNDGL-10LND-XXK-EX-TSG-GL (UP\_DOWN).IES****CANDELA TABULATION - (Cont.)**

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

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00656\_1 ~ C0816ADJUXT-10LNDGL-10LND-XXK-EX-TSG-GL (UP\_DOWN).IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	564.72	N.A.	32.40
0-30	727.05	N.A.	41.70
0-40	848.13	N.A.	48.70
0-60	875.11	N.A.	50.20
0-80	875.23	N.A.	50.20
0-90	875.23	N.A.	50.20
10-90	625.98	N.A.	35.90
20-40	283.40	N.A.	16.30
20-50	308.76	N.A.	17.70
40-70	27.09	N.A.	1.60
60-80	0.12	N.A.	0.00
70-80	0.01	N.A.	0.00
80-90	0.00	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.	6.30
90-180	866.86	N.A.	49.80
110-180	866.86	N.A.	49.80
0-180	1742.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	249.26
10-20	315.47
20-30	162.32
30-40	121.08
40-50	25.36
50-60	1.62
60-70	0.11
70-80	0.01
80-90	0.00
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

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00656\_1 ~ C0816ADJXT-10LNDGL-10LND-XXK-EX-TSG-GL (UP\_DOWN).IES

## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

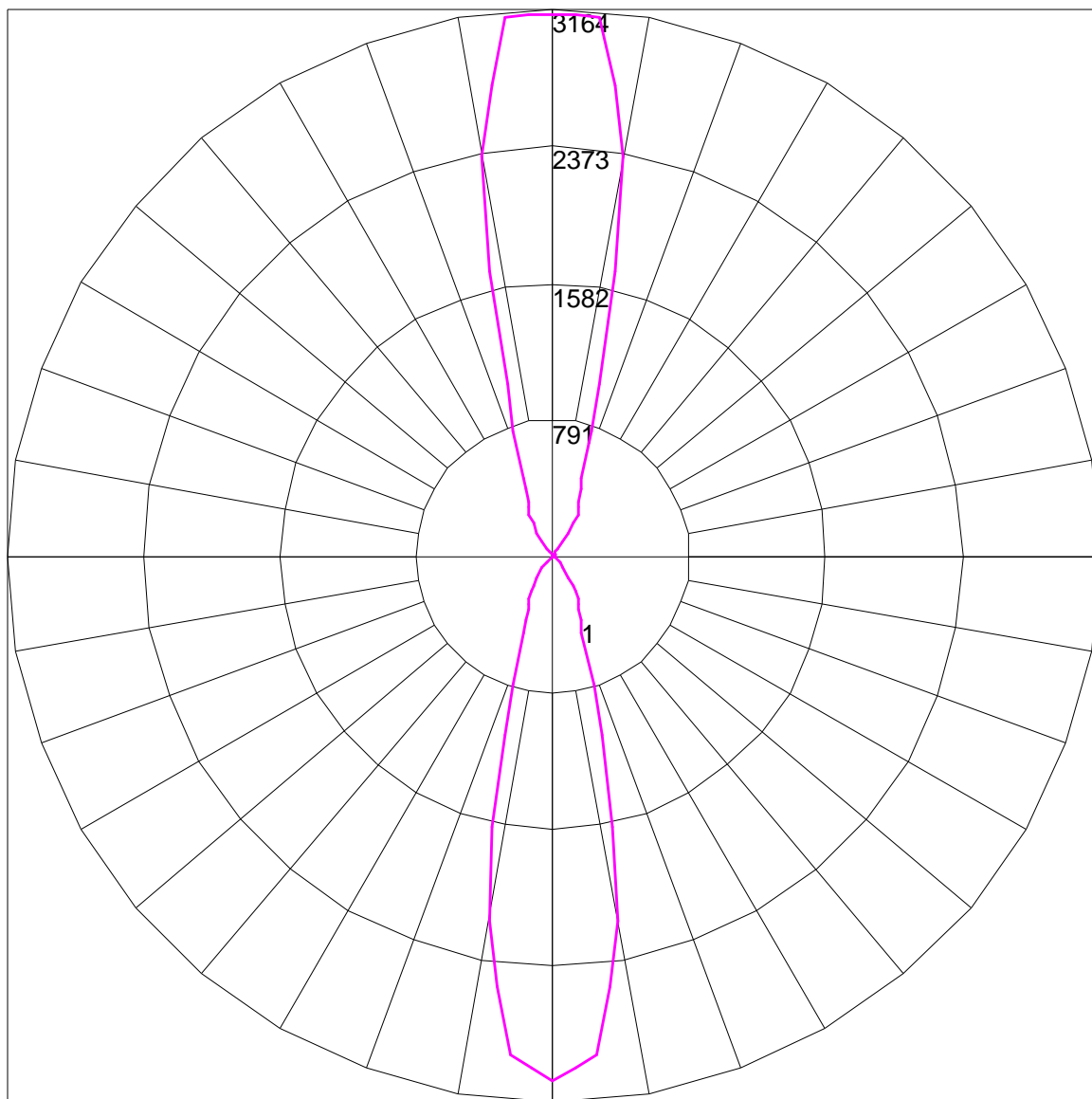
Effective Floor Cavity Reflectance 0.20

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	49	47	44
4	84	76	70	66	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

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00656\_1 ~ C0816ADJXT-10LNDGL-10LND-XXK-EX-TSG-GL (UP\_DOWN).IES

## POLAR GRAPH



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