

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00657_1 ~ C0816ADJUDXT-13LNDGL-13LND-XXK-EX-TSG-GL (UP_DOWN).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00657_1_M-13L
 [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-13L-ND-GL-13L-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	2377
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	26
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	11	9	5
55	1	0	1
65	1	3	3
75	4	4	5
85	2	5	0

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00657_1 ~ C0816ADJUDXT-13LNDGL-13LND-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	4251.266	4251.266	4251.266	4251.266	4251.266
2.5	4203.875	4192.708	4188.970	4191.421	4182.672
5.0	4156.483	4134.149	4126.674	4131.575	4114.077
7.5	3634.618	3623.184	3630.432	3629.353	3620.675
10.0	3112.746	3112.219	3134.183	3127.130	3127.273
12.5	2315.306	2319.018	2327.897	2326.311	2330.711
15.0	1517.867	1525.816	1521.604	1525.491	1534.149
17.5	1091.863	1099.052	1097.187	1098.409	1103.758
20.0	665.860	672.282	672.769	671.326	673.361
22.5	563.251	565.363	566.202	564.122	566.455
25.0	460.635	458.438	459.634	456.917	459.543
27.5	422.779	419.757	420.264	419.536	420.680
30.0	384.917	381.075	380.887	382.154	381.816
32.5	331.448	332.377	333.027	330.245	330.310
35.0	277.979	283.679	285.161	278.330	278.798
37.5	188.909	191.379	192.322	189.800	189.345
40.0	99.833	99.073	99.482	101.270	99.892
42.5	50.024	49.614	49.829	50.719	49.998
45.0	0.214	0.149	0.175	0.162	0.097
47.5	0.123	0.084	0.110	0.091	0.065
50.0	0.026	0.019	0.045	0.019	0.026
52.5	0.026	0.019	0.026	0.019	0.019
55.0	0.019	0.019	0.006	0.013	0.013
57.5	0.019	0.019	0.013	0.013	0.013
60.0	0.013	0.013	0.019	0.013	0.013
62.5	0.013	0.019	0.026	0.019	0.026
65.0	0.013	0.019	0.032	0.019	0.032
67.5	0.013	0.013	0.026	0.019	0.019
70.0	0.013	0.006	0.019	0.019	0.006
72.5	0.019	0.013	0.026	0.019	0.026
75.0	0.026	0.019	0.026	0.019	0.039
77.5	0.019	0.013	0.019	0.013	0.032
80.0	0.013	0.000	0.013	0.006	0.019
82.5	0.013	0.006	0.013	0.006	0.013
85.0	0.006	0.006	0.013	0.000	0.000
87.5	0.006	0.006	0.006	0.000	0.000
90.0	0.000	0.006	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	0.006	0.006	0.006	0.000	0.006
120.0	0.013	0.006	0.006	0.000	0.013
122.5	0.539	0.481	0.533	0.520	0.533
125.0	1.059	0.949	1.059	1.033	1.046

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127.5	2.873	2.730	2.749	2.717	2.717
130.0	4.686	4.511	4.439	4.400	4.387
132.5	6.175	6.428	6.207	6.448	6.292
135.0	7.663	8.339	7.975	8.489	8.190
137.5	34.495	34.573	33.657	34.047	34.807
140.0	61.327	60.801	59.332	59.605	61.418
142.5	138.118	137.930	137.780	137.117	137.748
145.0	214.909	215.059	216.222	214.623	214.071
147.5	295.470	294.398	294.729	294.027	293.559
150.0	376.025	373.737	373.230	373.431	373.041
152.5	425.080	424.807	424.664	424.326	423.319
155.0	474.129	475.871	476.099	475.221	473.590
157.5	563.933	566.566	564.544	565.851	562.724
160.0	653.737	657.260	652.983	656.480	651.852
162.5	1025.836	1022.905	1020.350	1023.873	1023.113
165.0	1397.935	1388.549	1387.711	1391.266	1394.367
167.5	2284.178	2268.220	2269.078	2271.932	2279.524
170.0	3170.414	3147.891	3150.446	3152.591	3164.674
172.5	3701.659	3701.782	3706.488	3701.789	3704.265
175.0	4232.897	4255.673	4262.524	4250.980	4243.850
177.5	4231.259	4242.647	4246.073	4240.301	4236.739
180.0	4229.550	4229.550	4229.550	4229.550	4229.550

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Zone	Lumens	%Lamp	%Fixt
0-20	806.04	N.A.	33.90
0-30	1030.18	N.A.	43.30
0-40	1190.78	N.A.	50.10
0-60	1209.15	N.A.	50.90
0-80	1209.19	N.A.	50.90
0-90	1209.19	N.A.	50.90
10-90	852.77	N.A.	35.90
20-40	384.74	N.A.	16.20
20-50	403.09	N.A.	17.00
40-70	18.38	N.A.	0.80
60-80	0.04	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	1.43	N.A.	0.10
90-150	148.43	N.A.	6.20
90-180	1167.79	N.A.	49.10
110-180	1167.79	N.A.	49.10
0-180	2376.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	356.42
10-20	449.62
20-30	224.14
30-40	160.61
40-50	18.35
50-60	0.02
60-70	0.02
70-80	0.02
80-90	0.01
90-100	0.00
100-110	0.00
110-120	0.00
120-130	1.43
130-140	15.11
140-150	131.89
150-160	225.21
160-170	430.99
170-180	363.16

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

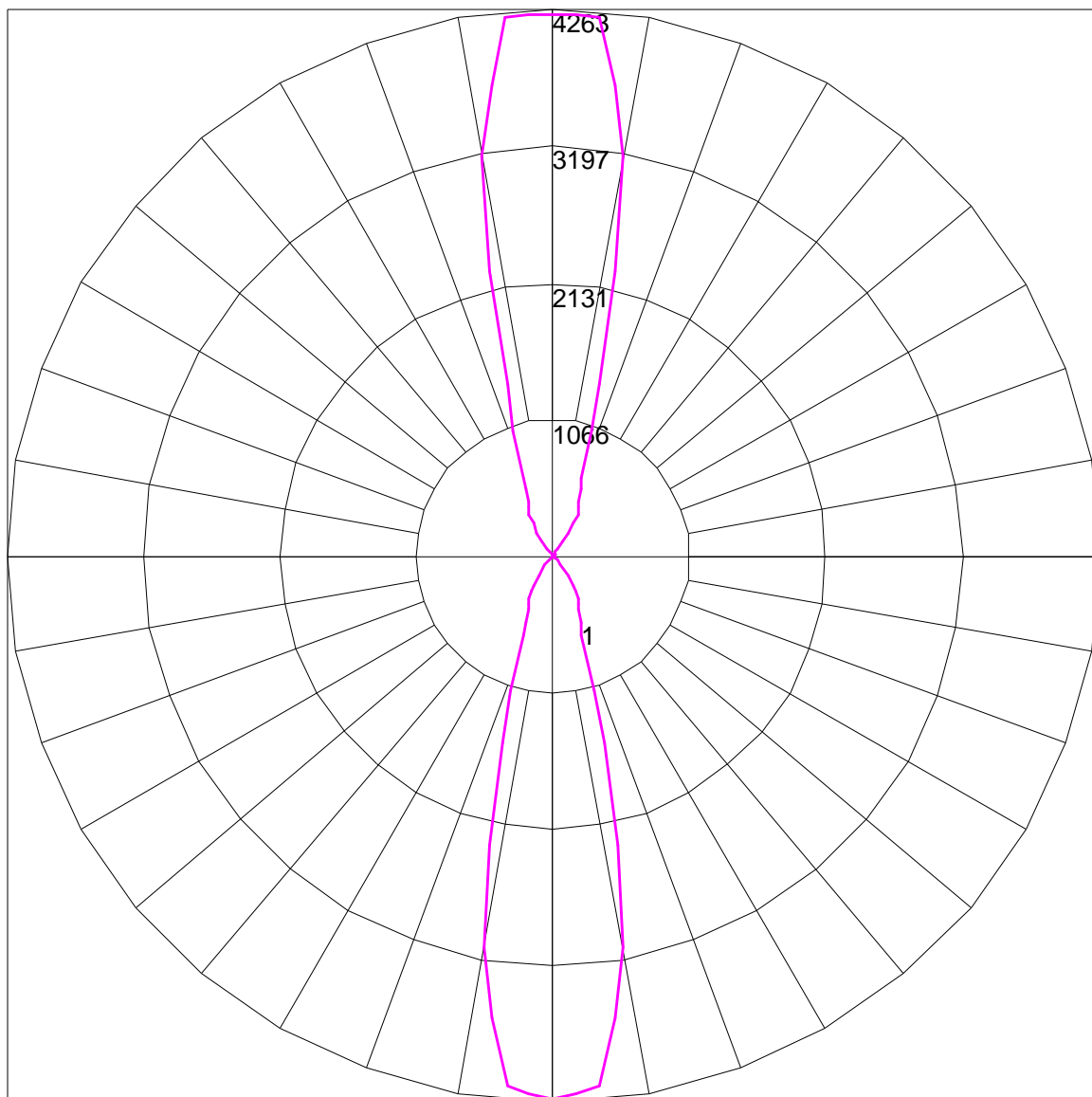
Effective Floor Cavity Reflectance 0.20

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	50	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	50	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	42	47	43	40	43	40	38	39	37	36	34

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POLAR GRAPH



Maximum Candela = 4262.524 Located At Horizontal Angle = 45, Vertical Angle = 175
1 - Vertical Plane Through Horizontal Angles (0 - 180)