

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00657_4 ~ C0816ADJUDXT-20LXNGL-20LXN-XXK-EX-TSG-GL (UP_DOWN).IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] SP-00656_4_M_20L

 [TESTLAB] Photopia 2015.1.1 see: www.ltioptics.com/ies

[TESTDATE] Thu Aug 11 2016

[MANUFAC] Spectrum Lighting

[ISSUEDATE]

[UPDATE] 4/12/2018

[LUMCAT] C0816ADJUDXT-20L-XN-GL-20L-XN-xxK-EX-TSG-GL (Up/Down)

[LUMINAIRE] 8" Diam. x 16" H, Direct/Indirect Cylinder, Wall Mounted

[OTHER] Uplight: Xtra Narrow Beam, Flush Clear Glass lens

[OTHER] Uplight: 11 Degree Beam Angle

[OTHER] Downlight: Xtra Narrow Beam, Flush Clear Glass lens

[OTHER] Downlight: 11 Degree Beam Angle

[OTHER] Trim: Semi-diffuse clear anodized alum.

[LAMP] N/A

[LAMPCAT] N/A, 9mm LES indirect

[OTHER] N/A, 9mm 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	2650
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	37
Total Luminaire Watts	71
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)	0.45 ft (Diameter)
Luminous Width (90-270)	0.45 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	799	840	774
55	911	876	905
65	778	831	894
75	112	144	115
85	0	0	0

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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	18049.724	18049.724	18049.724	18049.724	18049.724
2.5	13700.696	13719.935	13696.963	13743.208	13780.320
5.0	9351.662	9390.141	9344.195	9436.687	9510.910
7.5	5324.930	5539.785	5706.812	5611.346	5497.897
10.0	1298.197	1689.428	2069.427	1786.004	1484.883
12.5	974.224	1170.700	1358.112	1215.279	1067.157
15.0	650.250	651.971	646.795	644.553	649.429
17.5	606.096	609.640	604.764	605.845	606.226
20.0	561.941	567.307	562.731	567.136	563.022
22.5	539.604	544.984	547.282	547.696	545.356
25.0	517.266	522.662	531.831	528.257	527.687
27.5	488.764	491.851	496.086	495.224	493.713
30.0	460.260	461.041	460.340	462.191	459.739
32.5	345.556	347.852	349.554	350.539	349.300
35.0	230.851	234.664	238.768	238.888	238.859
37.5	128.989	132.428	136.666	135.015	133.538
40.0	27.127	30.190	34.564	31.140	28.217
42.5	17.742	19.640	21.677	19.884	18.158
45.0	8.358	9.089	8.789	8.629	8.097
47.5	8.324	8.724	8.508	8.399	8.424
50.0	8.288	8.358	8.228	8.168	8.749
52.5	8.008	7.933	7.828	7.828	8.213
55.0	7.728	7.507	7.427	7.487	7.677
57.5	7.367	7.187	7.118	7.152	7.136
60.0	7.007	6.867	6.807	6.816	6.596
62.5	5.937	6.071	6.001	6.041	6.091
65.0	4.865	5.274	5.194	5.265	5.586
67.5	3.828	4.169	4.044	4.024	4.340
70.0	2.792	3.063	2.892	2.783	3.092
72.5	1.611	1.793	1.722	1.622	1.766
75.0	0.430	0.521	0.550	0.460	0.440
77.5	0.216	0.260	0.276	0.231	0.220
80.0	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	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	0.216	0.260	0.276	0.231	0.220
105.0	0.430	0.521	0.550	0.460	0.440
107.5	1.611	1.793	1.722	1.622	1.766
110.0	2.792	3.063	2.892	2.783	3.092
112.5	3.828	4.169	4.044	4.024	4.340
115.0	4.865	5.274	5.194	5.265	5.586
117.5	5.937	6.071	6.001	6.041	6.091
120.0	7.007	6.867	6.807	6.816	6.596
122.5	7.367	7.187	7.118	7.152	7.136
125.0	7.728	7.507	7.427	7.487	7.677

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127.5	8.008	7.933	7.828	7.828	8.213
130.0	8.288	8.358	8.228	8.168	8.749
132.5	8.324	8.724	8.508	8.399	8.424
135.0	8.358	9.089	8.789	8.629	8.097
137.5	17.742	19.640	21.677	19.884	18.158
140.0	27.127	30.190	34.564	31.140	28.217
142.5	128.989	132.428	136.666	135.015	133.538
145.0	230.851	234.664	238.768	238.888	238.859
147.5	345.556	347.852	349.554	350.539	349.300
150.0	460.260	461.041	460.340	462.191	459.739
152.5	488.764	491.851	496.086	495.224	493.713
155.0	517.266	522.662	531.831	528.257	527.687
157.5	539.604	544.984	547.282	547.696	545.356
160.0	561.941	567.307	562.731	567.136	563.022
162.5	606.096	609.640	604.764	605.845	606.226
165.0	650.250	651.971	646.795	644.553	649.429
167.5	974.224	1170.700	1358.112	1215.279	1067.157
170.0	1298.197	1689.428	2069.427	1786.004	1484.883
172.5	5324.930	5539.785	5706.812	5611.346	5497.897
175.0	9351.662	9390.141	9344.195	9436.687	9510.910
177.5	13700.696	13719.935	13696.963	13743.209	13780.320
180.0	18048.800	18048.800	18048.800	18048.800	18048.800

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Zone	Lumens	%Lamp	%Fixt
0-20	915.82	N.A.	34.60
0-30	1154.92	N.A.	43.60
0-40	1301.26	N.A.	49.10
0-60	1318.74	N.A.	49.80
0-80	1324.75	N.A.	50.00
0-90	1324.75	N.A.	50.00
10-90	646.84	N.A.	24.40
20-40	385.45	N.A.	14.50
20-50	396.16	N.A.	15.00
40-70	22.47	N.A.	0.80
60-80	6.01	N.A.	0.20
70-80	1.02	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	1.02	N.A.	0.00
90-120	6.01	N.A.	0.20
90-130	12.78	N.A.	0.50
90-150	169.84	N.A.	6.40
90-180	1324.75	N.A.	50.00
110-180	1323.73	N.A.	50.00
0-180	2649.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	677.92
10-20	237.90
20-30	239.10
30-40	146.35
40-50	10.71
50-60	6.76
60-70	4.99
70-80	1.02
80-90	0.00
90-100	0.00
100-110	1.02
110-120	4.99
120-130	6.76
130-140	10.71
140-150	146.35
150-160	239.10
160-170	237.90
170-180	677.92

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

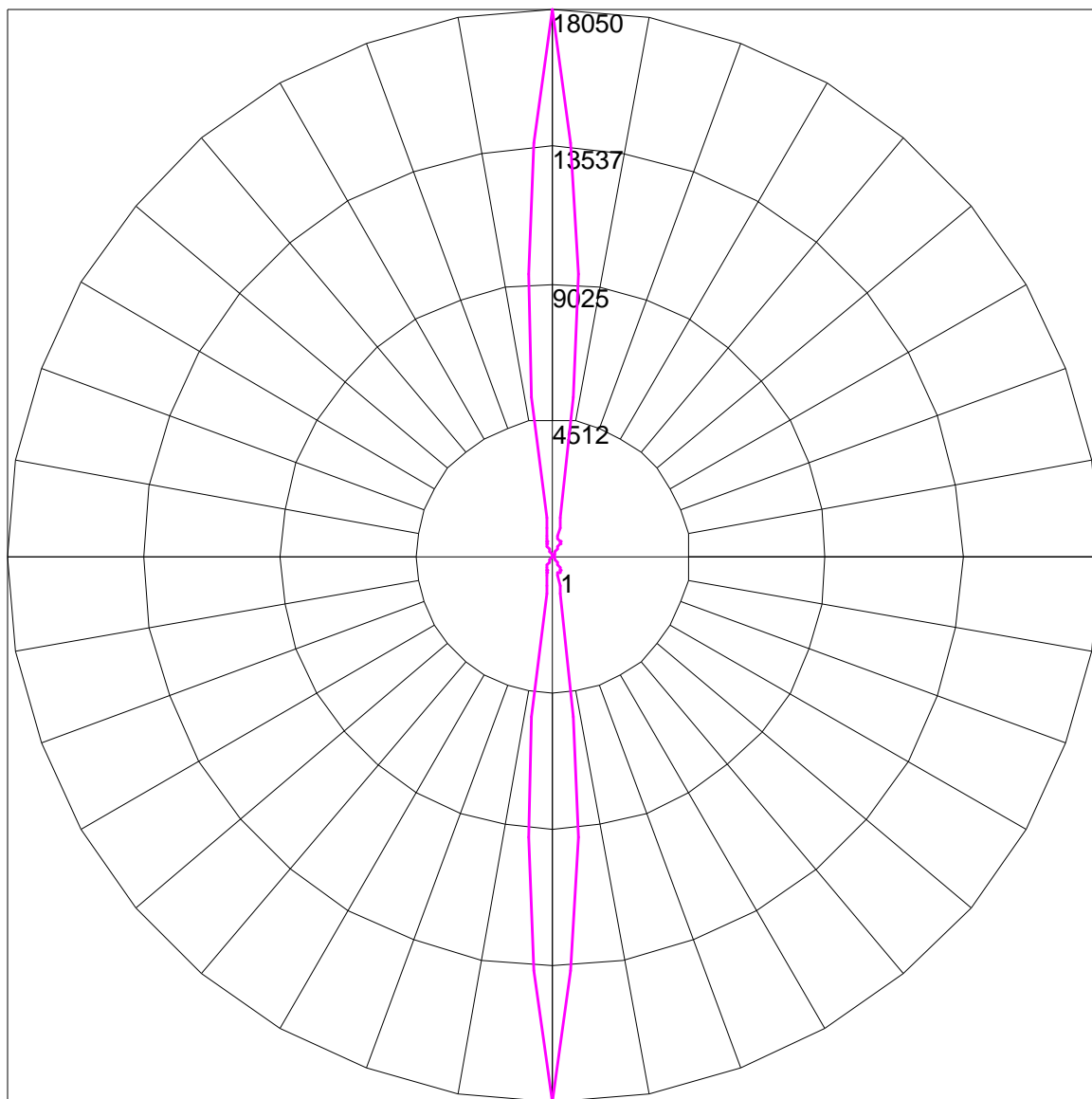
Effective Floor Cavity Reflectance 0.20

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

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POLAR GRAPH



Maximum Candela = 18049.724 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)