

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_10 ~ C0812YKXT-13LXXK-WDEX-TSG-NL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00652_10_M-13L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/29/2017
[UPDATE] 3/30/2018
[LUMCAT] C0812YKXT-13L-xxK-WD-EX-TSG-NL
[LUMINAIRE] Nom.8" Diam. x 12" H Adjustable Yoke LED Cylinder Downlight
[OTHER] Upper, Internal Reflector, Wide Beam
[OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum
[OTHER] No Lens
[OTHER] 44.8 Degree Beam Angle
[LAMPCAT] N/A, 19mm LES
[LAMP] N/A, 83 CRI
[OTHER] Total Luminaire Watts is approximate
[OTHER] LEDXT lumen output is the same for all available CCT's
[OTHER] This report prepared by Spectrum Lighting, scaled from 30L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1117
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.70
Spacing Criterion (90-270)	0.68
Spacing Criterion (Diagonal)	0.76
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.68 ft (Diameter)
Luminous Width (90-270)	0.68 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1339	1098	956
55	136	182	125
65	49	77	55
75	80	103	95
85	293	256	309

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1747.781	1747.781	1747.781	1747.781	1747.781
5	1691.134	1700.765	1691.075	1691.782	1674.804
10	1532.924	1551.110	1535.096	1540.204	1502.230
15	1278.365	1299.659	1277.649	1289.604	1234.428
20	989.110	1005.967	983.060	995.110	946.884
25	749.241	759.375	742.284	749.969	716.636
30	559.703	573.108	558.811	566.566	529.755
35	346.006	361.903	342.700	351.785	309.258
40	133.781	149.784	134.303	142.276	113.716
45	31.514	31.399	25.825	28.462	22.495
50	10.312	10.314	9.608	9.804	8.525
55	2.602	3.310	3.471	3.069	2.390
60	0.693	1.111	1.176	1.068	1.079
65	0.689	0.653	1.089	0.848	0.769
70	0.786	0.661	0.599	0.895	0.677
75	0.690	0.736	0.890	0.682	0.818
80	0.762	0.930	0.818	0.650	0.933
85	0.850	0.763	0.743	0.981	0.895
90	1.019	0.299	0.871	0.299	0.809

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Zone	Lumens	%Lamp	%Fixt
0-20	510.66	N.A.	45.70
0-30	857.94	N.A.	76.80
0-40	1072.14	N.A.	96.00
0-60	1114.25	N.A.	99.80
0-80	1115.92	N.A.	99.90
0-90	1116.76	N.A.	100.00
10-90	960.18	N.A.	86.00
20-40	561.49	N.A.	50.30
20-50	599.84	N.A.	53.70
40-70	42.96	N.A.	3.80
60-80	1.66	N.A.	0.10
70-80	0.81	N.A.	0.10
80-90	0.84	N.A.	0.10
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1116.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	156.58
10-20	354.08
20-30	347.28
30-40	214.21
40-50	38.35
50-60	3.76
60-70	0.85
70-80	0.81
80-90	0.84
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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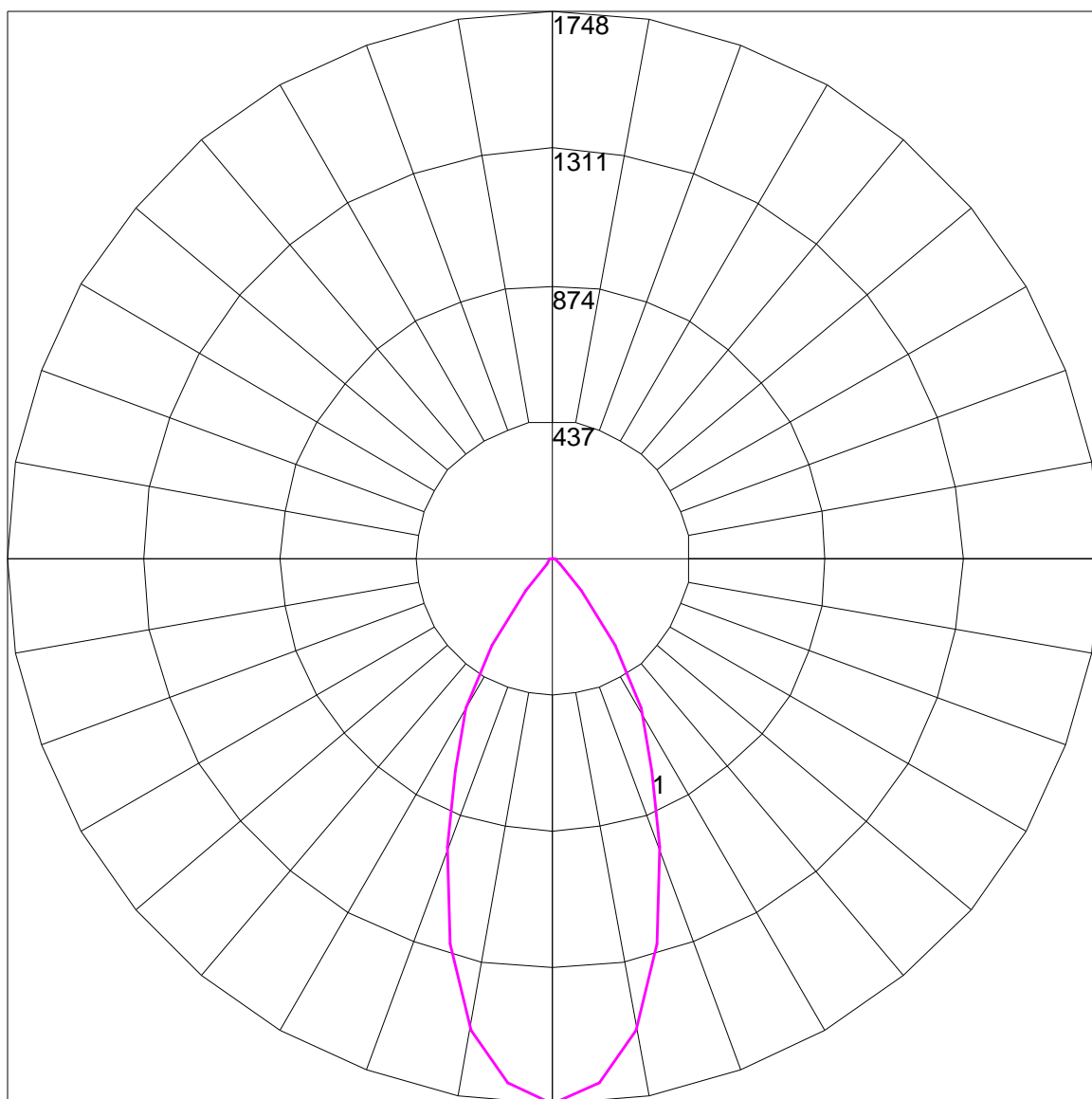
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	78
5	94	86	81	77	93	86	80	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	65
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62
9	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	62	59	58
10	75	66	61	57	74	66	60	57	65	60	57	64	60	57	63	59	56	55

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POLAR GRAPH



Maximum Candela = 1747.781 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)