

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_1 ~ C0812YKXT-13LXXK-MDEX-TSG-GL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00652_1_M-13L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 6/29/2017

[UPDATE] 3/30/2018

[LUMCAT] C0812YKXT-13L-xxK-MD-EX-TSG-GL

[LUMINAIRE] Nom. 8" Diam. x 12 H Adjustable Yoke LED Cylinder Downlight

[OTHER] Upper, Internal Reflector, Medium Beam

[OTHER] Lower Trim, Semi-Diffuse Clear Anodized Alum.

[OTHER] Clear Glass Lens, Regressed in Lower Trim

[OTHER] 36.7 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	1062
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.60
Spacing Criterion (90-270)	0.58
Spacing Criterion (Diagonal)	0.66
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_1 ~ C0812YKXT-13LXXK-MDEX-TSG-GL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	693	746	577
55	81	95	91
65	37	45	53
75	67	83	82
85	151	223	221

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_1 ~ C0812YKXT-13LXXK-MDEX-TSG-GL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2079.910	2079.910	2079.910	2079.910	2079.910
5	1959.727	1983.142	1969.442	1952.496	1930.523
10	1659.376	1709.978	1678.095	1661.090	1619.957
15	1274.001	1335.842	1298.199	1289.237	1244.730
20	927.066	978.020	950.389	946.752	913.765
25	666.499	704.070	686.312	685.590	662.527
30	467.285	497.083	488.018	481.790	462.503
35	262.560	300.656	283.062	281.831	254.527
40	79.352	113.755	84.628	99.358	72.485
45	16.317	16.779	17.554	14.526	13.578
50	4.191	5.555	5.761	4.749	4.761
55	1.543	1.767	1.806	1.988	1.746
60	0.834	0.807	0.759	0.954	0.764
65	0.526	0.668	0.634	0.599	0.740
70	0.708	0.603	0.774	0.929	0.457
75	0.577	0.701	0.716	0.683	0.706
80	0.345	0.870	0.592	0.460	0.556
85	0.438	0.722	0.646	0.545	0.640
90	0.399	0.187	0.440	0.225	0.496

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Zone	Lumens	%Lamp	%Fixt
0-20	539.39	N.A.	50.80
0-30	858.59	N.A.	80.80
0-40	1033.56	N.A.	97.30
0-60	1060.19	N.A.	99.80
0-80	1061.59	N.A.	99.90
0-90	1062.18	N.A.	100.00
10-90	883.83	N.A.	83.20
20-40	494.17	N.A.	46.50
20-50	518.68	N.A.	48.80
40-70	27.33	N.A.	2.60
60-80	1.41	N.A.	0.10
70-80	0.71	N.A.	0.10
80-90	0.58	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	1062.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	178.35
10-20	361.03
20-30	319.20
30-40	174.97
40-50	24.51
50-60	2.12
60-70	0.70
70-80	0.71
80-90	0.58
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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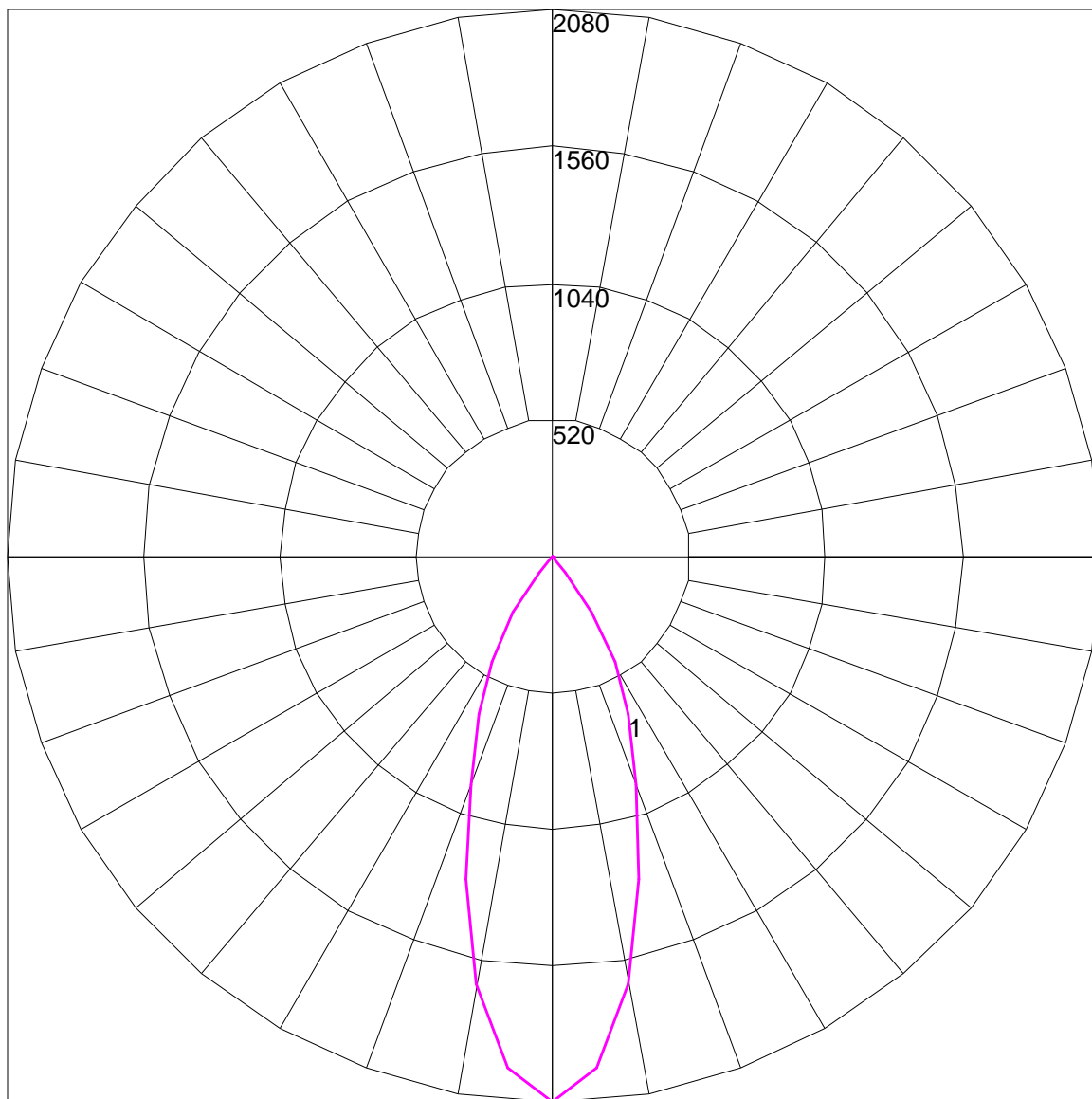
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80
5	95	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	71
7	88	79	74	70	86	79	74	70	77	73	70	76	72	69	75	72	69	68
8	84	75	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64
9	80	72	67	63	79	71	66	63	70	66	63	70	65	62	69	65	62	61
10	77	69	63	60	76	68	63	60	67	63	60	67	62	60	66	62	59	58

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POLAR GRAPH



Maximum Candela = 2079.91 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)