

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_3 ~ C0812YKXT-13LXXK-MDEX-TSG-SO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00652\_3\_13L  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUE DATE] 6/29/2017  
[UPDATE] 3/30/2018  
[LUMCAT] C0812YKXT-13L-xxK-MD-EX-TSG-SO  
[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 Aluminum  
[OTHER] Solite Lens, Regressed in Lower Trim  
[OTHER] 38.8 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	1024
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.68
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\_3 ~ C0812YKXT-13LXXK-MDEX-TSG-SO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1408	1468	1253
55	140	127	121
65	42	48	57
75	60	46	91
85	216	302	193

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_3 ~ C0812YKXT-13LXXK-MDEX-TSG-SO.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</b>	1912.724	1912.724	1912.724	1912.724	1912.724
<b>5</b>	1804.614	1813.401	1800.382	1801.892	1771.664
<b>10</b>	1550.702	1565.190	1545.533	1551.610	1502.825
<b>15</b>	1226.206	1245.500	1220.025	1230.129	1175.953
<b>20</b>	918.017	937.242	911.849	923.057	876.773
<b>25</b>	665.800	680.466	660.865	670.193	634.451
<b>30</b>	454.373	466.476	447.959	456.370	427.750
<b>35</b>	267.590	273.902	259.334	265.715	243.555
<b>40</b>	118.563	126.383	115.735	122.712	104.723
<b>45</b>	33.137	34.595	34.538	35.351	29.488
<b>50</b>	7.621	7.949	7.712	7.752	6.374
<b>55</b>	2.667	2.037	2.430	2.265	2.315
<b>60</b>	1.048	1.118	0.891	0.701	1.151
<b>65</b>	0.592	0.760	0.675	0.676	0.806
<b>70</b>	0.551	0.656	0.660	0.520	0.766
<b>75</b>	0.521	0.800	0.396	0.584	0.784
<b>80</b>	0.621	0.824	0.697	0.639	0.568
<b>85</b>	0.625	0.682	0.875	0.717	0.560
<b>90</b>	0.457	0.366	0.550	0.370	0.794

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Zone	Lumens	%Lamp	%Fixt
0-20	505.07	N.A.	49.30
0-30	812.61	N.A.	79.40
0-40	981.99	N.A.	95.90
0-60	1021.64	N.A.	99.80
0-80	1023.04	N.A.	99.90
0-90	1023.75	N.A.	100.00
10-90	859.58	N.A.	84.00
20-40	476.92	N.A.	46.60
20-50	513.66	N.A.	50.20
40-70	40.38	N.A.	3.90
60-80	1.41	N.A.	0.10
70-80	0.67	N.A.	0.10
80-90	0.71	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	1023.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	164.17
10-20	340.90
20-30	307.54
30-40	169.38
40-50	36.74
50-60	2.91
60-70	0.74
70-80	0.67
80-90	0.71
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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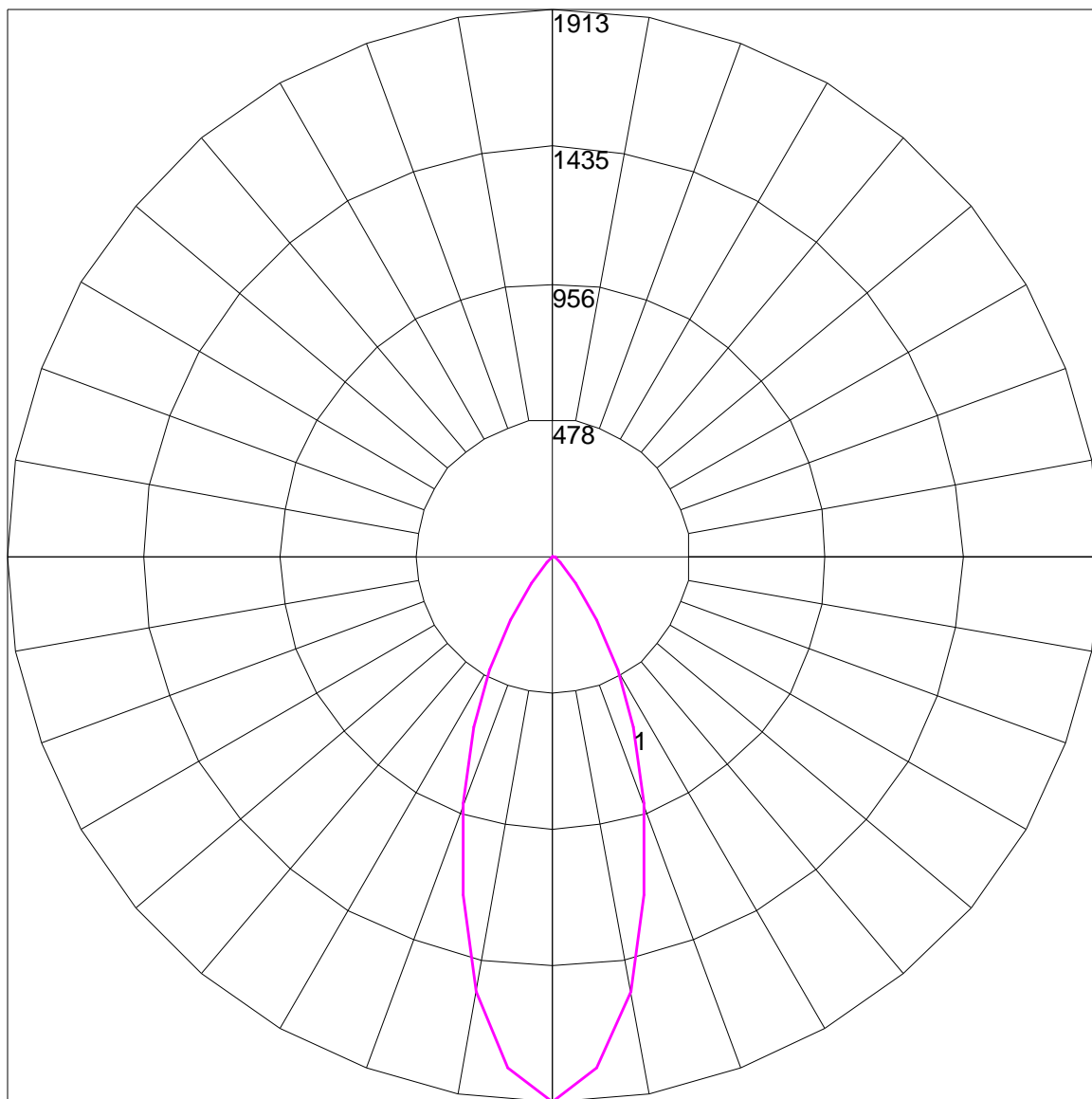
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	97	100	97	94	97	94	92	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	99	93	87	84	98	91	87	83	89	85	82	87	84	81	86	83	80	79
5	95	87	82	78	93	86	82	78	85	80	77	83	79	76	82	78	76	74
6	91	83	77	73	89	82	77	73	81	76	73	79	75	72	78	74	72	70
7	87	78	73	69	86	78	73	69	77	72	69	75	71	68	74	71	68	67
8	83	75	69	65	82	74	69	65	73	68	65	72	68	65	71	67	64	63
9	80	71	66	62	79	71	65	62	70	65	62	69	65	61	68	64	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57

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POLAR GRAPH



Maximum Candela = 1912.724 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)