

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

IESNA:LM-63-2002  
[TEST] SP-00652\_M-13L  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUE DATE] 6/29/2017  
[UPDATE] 3/30/2018  
[LUMCAT] C0812YKXT-13L-xxK-MD-EX-TSG-FG  
[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] Frosted Glass Lens, Regressed in Lower Trim  
[OTHER] 50.2 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	912
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	0.74
Spacing Criterion (Diagonal)	0.82
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 ~ C0812YKXT-13LXXK-MDEX-TSG-FG.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4333	4353	3934
55	756	742	706
65	56	59	59
75	88	62	70
85	200	171	249

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652 ~ C0812YKXT-13LXXK-MDEX-TSG-FG.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>	1141.106	1141.106	1141.106	1141.106	1141.106
<b>5</b>	1106.973	1109.359	1104.536	1100.204	1085.769
<b>10</b>	1011.863	1017.378	1008.719	1006.075	982.023
<b>15</b>	877.537	887.005	875.026	874.198	844.916
<b>20</b>	725.703	739.538	727.773	728.773	696.982
<b>25</b>	572.612	587.824	580.375	582.116	551.813
<b>30</b>	428.744	443.326	440.270	442.217	415.455
<b>35</b>	302.103	317.180	313.928	317.069	294.244
<b>40</b>	194.446	206.901	201.085	206.392	185.429
<b>45</b>	101.951	107.562	102.426	105.113	92.558
<b>50</b>	40.446	42.254	40.046	41.602	37.172
<b>55</b>	14.435	15.545	14.157	15.784	13.469
<b>60</b>	3.397	4.169	3.482	4.243	3.297
<b>65</b>	0.792	1.027	0.824	0.797	0.832
<b>70</b>	0.612	0.682	0.572	0.481	0.780
<b>75</b>	0.757	0.526	0.534	0.577	0.599
<b>80</b>	0.513	0.685	0.508	0.749	0.723
<b>85</b>	0.581	0.636	0.495	0.751	0.723
<b>90</b>	0.407	0.559	0.443	0.442	0.690

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Zone	Lumens	%Lamp	%Fixt
0-20	345.88	N.A.	37.90
0-30	611.21	N.A.	67.10
0-40	806.98	N.A.	88.50
0-60	908.74	N.A.	99.70
0-80	910.89	N.A.	99.90
0-90	911.54	N.A.	100.00
10-90	809.24	N.A.	88.80
20-40	461.10	N.A.	50.60
20-50	546.47	N.A.	60.00
40-70	103.27	N.A.	11.30
60-80	2.15	N.A.	0.20
70-80	0.64	N.A.	0.10
80-90	0.66	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	911.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	102.30
10-20	243.58
20-30	265.33
30-40	195.77
40-50	85.37
50-60	16.39
60-70	1.51
70-80	0.64
80-90	0.66
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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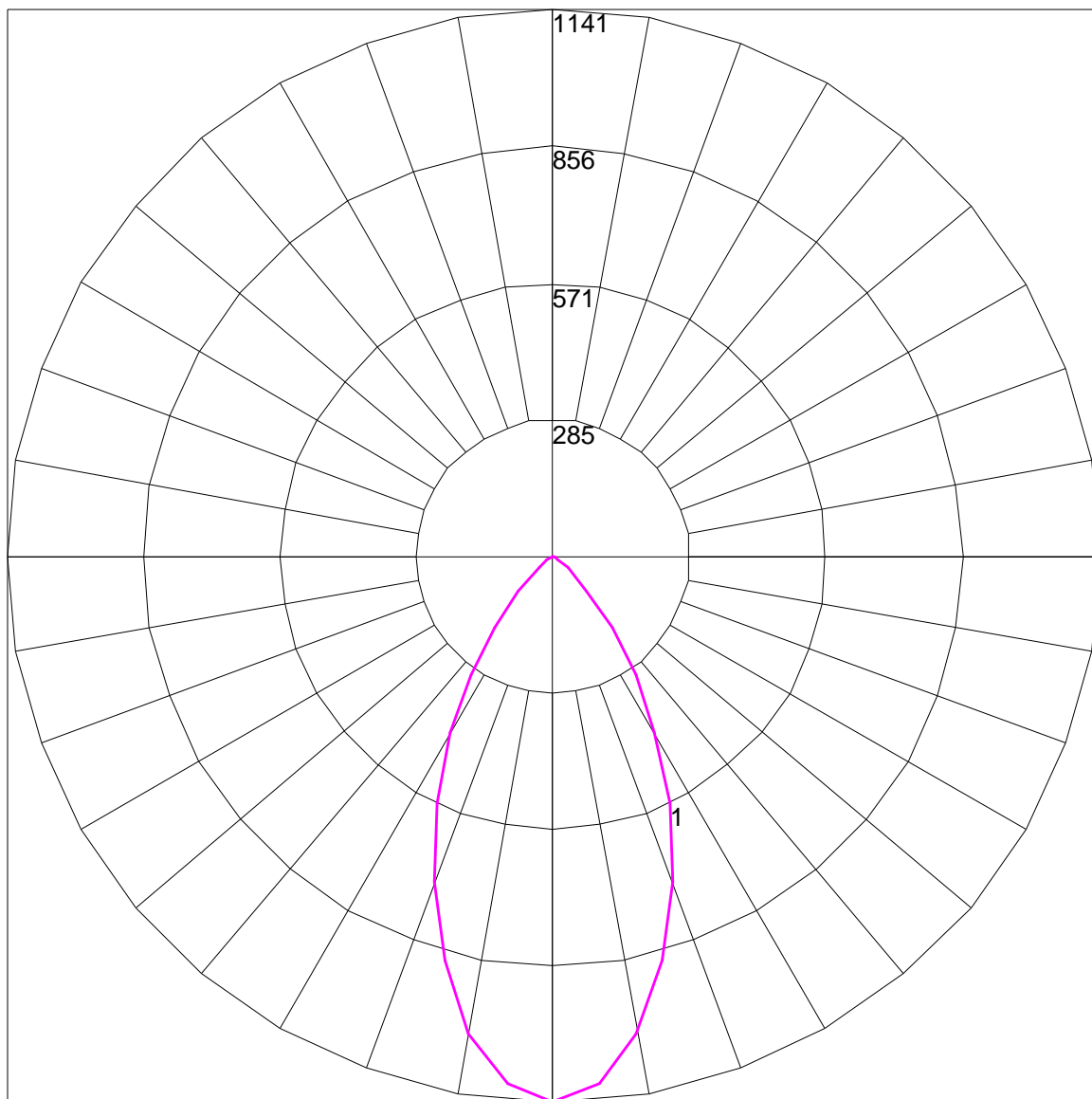
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74
5	92	83	77	73	90	82	77	72	80	76	72	79	74	71	77	73	71	69
6	87	78	72	67	85	77	71	67	76	70	67	74	70	66	73	69	66	64
7	83	73	67	63	81	72	67	63	71	66	62	70	65	62	69	65	61	60
8	78	69	63	59	77	68	62	58	67	62	58	66	61	58	65	61	58	56
9	75	65	59	55	74	64	59	55	63	58	55	62	58	54	62	57	54	53
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50

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POLAR GRAPH



Maximum Candela = 1141.106 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)