

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_3 ~ C0812YKXT-10LXXK-MDEX-TSG-SO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00652\_3\_10L  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUE DATE] 6/29/2017  
[UPDATE] 3/30/2018  
[LUMCAT] C0812YKXT-10L-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	760
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	9.1
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-10LXXK-MDEX-TSG-SO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1046	1090	930
55	104	95	90
65	31	36	43
75	45	34	68
85	160	224	143

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_3 ~ C0812YKXT-10LXXK-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>	1420.086	1420.086	1420.086	1420.086	1420.086
<b>5</b>	1339.821	1346.344	1336.679	1337.800	1315.358
<b>10</b>	1151.306	1162.062	1147.468	1151.980	1115.760
<b>15</b>	910.386	924.711	905.798	913.299	873.076
<b>20</b>	681.574	695.847	676.995	685.316	650.953
<b>25</b>	494.317	505.206	490.654	497.580	471.043
<b>30</b>	337.346	346.331	332.583	338.828	317.580
<b>35</b>	198.670	203.356	192.541	197.278	180.826
<b>40</b>	88.026	93.832	85.926	91.107	77.751
<b>45</b>	24.602	25.685	25.643	26.246	21.893
<b>50</b>	5.658	5.902	5.726	5.756	4.732
<b>55</b>	1.980	1.513	1.804	1.682	1.719
<b>60</b>	0.778	0.830	0.662	0.521	0.855
<b>65</b>	0.440	0.564	0.501	0.502	0.599
<b>70</b>	0.409	0.487	0.490	0.386	0.568
<b>75</b>	0.387	0.594	0.294	0.433	0.582
<b>80</b>	0.461	0.612	0.518	0.474	0.421
<b>85</b>	0.464	0.507	0.650	0.532	0.416
<b>90</b>	0.339	0.272	0.409	0.275	0.590

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Zone	Lumens	%Lamp	%Fixt
0-20	374.98	N.A.	49.30
0-30	603.31	N.A.	79.40
0-40	729.07	N.A.	95.90
0-60	758.50	N.A.	99.80
0-80	759.55	N.A.	99.90
0-90	760.08	N.A.	100.00
10-90	638.19	N.A.	84.00
20-40	354.09	N.A.	46.60
20-50	381.36	N.A.	50.20
40-70	29.98	N.A.	3.90
60-80	1.04	N.A.	0.10
70-80	0.50	N.A.	0.10
80-90	0.53	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	760.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	121.89
10-20	253.10
20-30	228.33
30-40	125.76
40-50	27.28
50-60	2.16
60-70	0.55
70-80	0.50
80-90	0.53
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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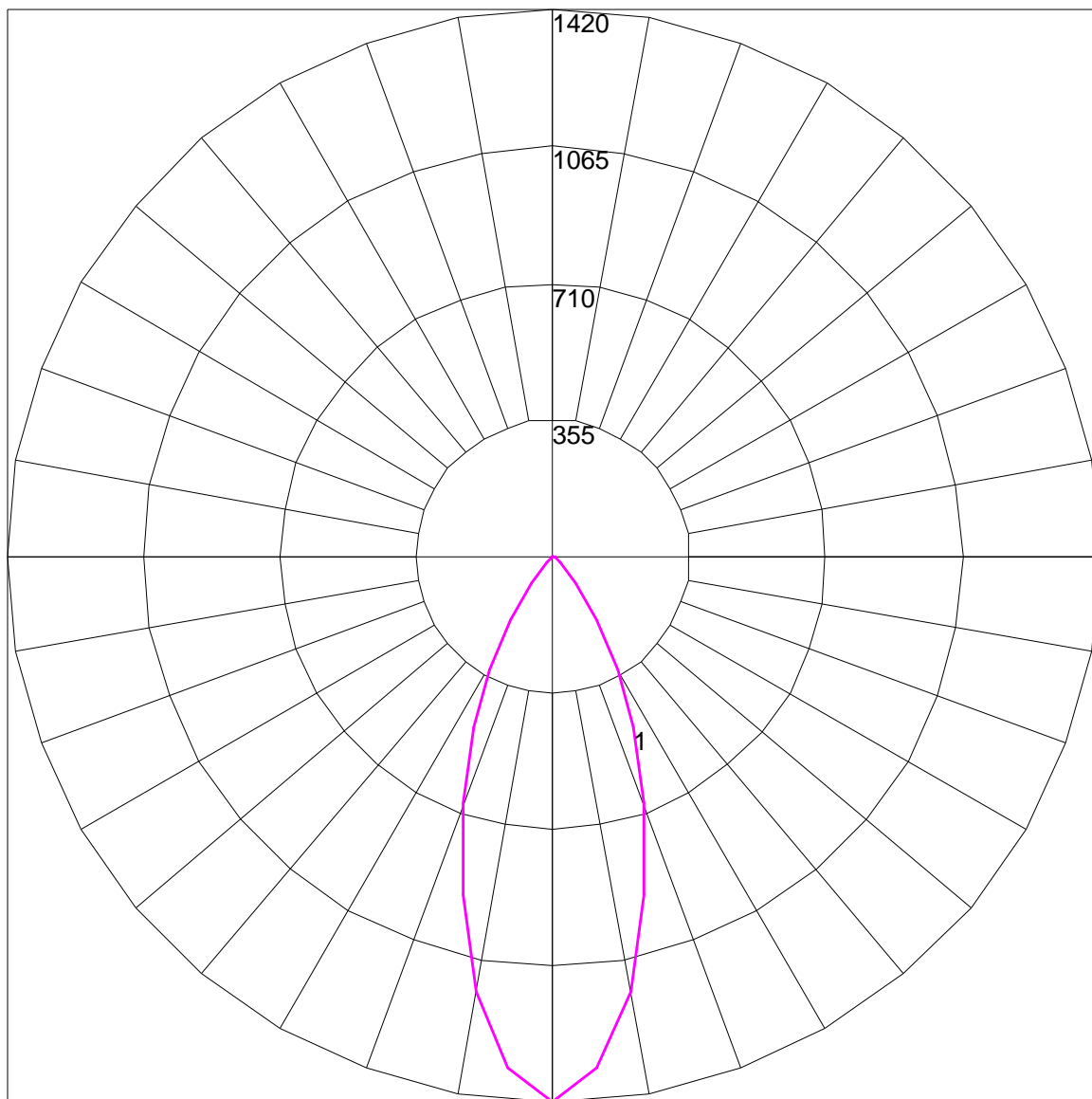
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	102	100	99	98	97	96	94
2	109	104	101	98	107	103	99	97	100	97	94	97	94	92	94	92	91	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	99	93	88	84	98	91	87	83	89	85	82	87	84	81	86	83	80	79
5	95	87	82	78	93	87	82	78	85	80	77	83	79	77	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 = 1420.086 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)