

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_19 ~ C0812YKXT-13LXXK-XWEX-TSG-SO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00652\_19\_M-13L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 6/29/2017

[UPDATE] 4/2/2018

[LUMCAT] C0812YKXT-13L-xxK-XW-EX-TSG-SO

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

[OTHER] Upper Internal Reflector, Xtra Wide Beam

[OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum

[OTHER] Solite Lens, Regressed in Lower Trim

[OTHER] 57.3 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	1041
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.88
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\_19 ~ C0812YKXT-13LXXK-XWEX-TSG-SO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2691	2830	2686
55	429	449	455
65	43	39	41
75	65	98	93
85	188	230	211

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_19 ~ C0812YKXT-13LXXK-XWEX-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>	1212.098	1212.098	1212.098	1212.098	1212.098
<b>5</b>	1187.821	1189.918	1186.014	1186.511	1178.282
<b>10</b>	1127.206	1131.865	1124.806	1126.916	1110.455
<b>15</b>	1027.629	1036.035	1026.133	1027.470	1006.128
<b>20</b>	898.062	910.892	901.339	904.704	880.281
<b>25</b>	744.235	766.778	755.314	765.837	734.584
<b>30</b>	555.591	579.146	569.423	581.327	547.379
<b>35</b>	348.335	362.890	358.327	368.475	337.463
<b>40</b>	172.076	183.228	179.490	186.491	165.066
<b>45</b>	63.315	60.272	66.598	67.573	63.196
<b>50</b>	24.023	23.960	25.496	26.542	24.817
<b>55</b>	8.182	8.392	8.573	8.823	8.692
<b>60</b>	1.301	1.031	1.424	1.419	1.471
<b>65</b>	0.605	0.474	0.548	0.646	0.574
<b>70</b>	0.451	0.601	0.702	0.730	0.604
<b>75</b>	0.561	0.667	0.845	0.602	0.797
<b>80</b>	0.496	0.416	0.782	0.717	0.603
<b>85</b>	0.544	0.707	0.666	0.502	0.611
<b>90</b>	0.488	0.275	0.655	0.314	0.580

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_19 ~ C0812YKXT-13LXXK-XWEX-TSG-SO.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	397.96	N.A.	38.20
0-30	739.84	N.A.	71.10
0-40	966.26	N.A.	92.80
0-60	1039.11	N.A.	99.80
0-80	1040.57	N.A.	99.90
0-90	1041.2	N.A.	100.00
10-90	929.82	N.A.	89.30
20-40	568.31	N.A.	54.60
20-50	631.55	N.A.	60.70
40-70	73.61	N.A.	7.10
60-80	1.46	N.A.	0.10
70-80	0.70	N.A.	0.10
80-90	0.62	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	1041.2	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	111.38
10-20	286.58
20-30	341.89
30-40	226.42
40-50	63.25
50-60	9.60
60-70	0.76
70-80	0.70
80-90	0.62
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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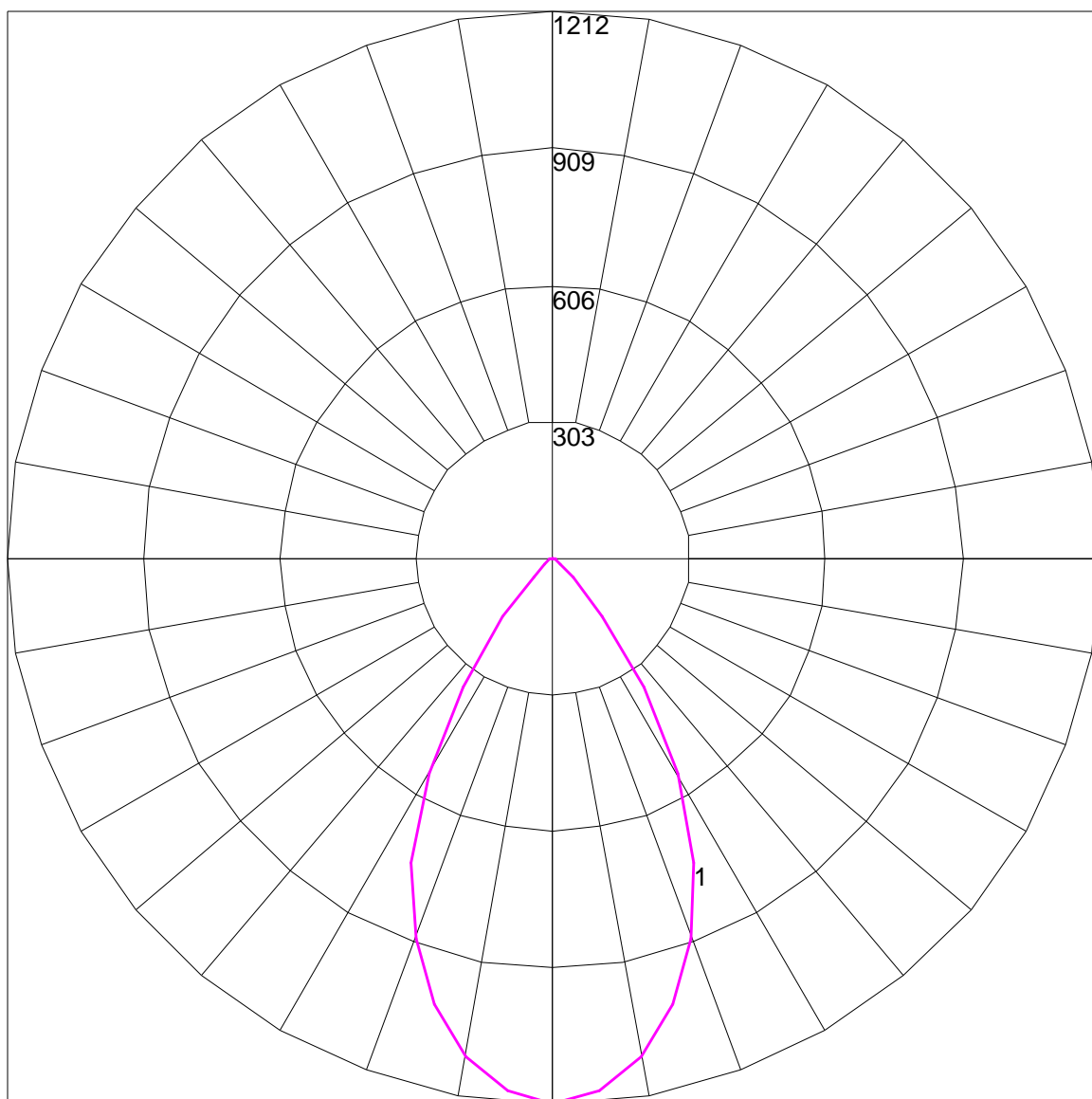
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66
7	83	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	60	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51

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POLAR GRAPH



Maximum Candela = 1212.098 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)