

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_18 ~ C0812YKXT-10LXXK-XWEX-TSG-NL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00652\_18\_M-10L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 6/29/2017

[UPDATE] 4/2/2018

[LUMCAT] C0812YKXT-10L-xxK-XW-EX-TSG-NL

[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] No Lens

[OTHER] 59.1 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	864
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.90
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.90
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\_18 ~ C0812YKXT-10LXXK-XWEX-TSG-NL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1677	1731	1452
55	238	295	220
65	32	39	35
75	76	63	70
85	214	206	224

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_18 ~ C0812YKXT-10LXXK-XWEX-TSG-NL.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>	999.126	999.126	999.126	999.126	999.126
<b>5</b>	980.262	980.608	976.999	979.366	972.289
<b>10</b>	932.518	934.478	926.824	929.588	917.021
<b>15</b>	851.578	856.197	847.248	852.873	831.232
<b>20</b>	741.285	746.684	739.491	741.457	723.371
<b>25</b>	628.469	640.101	630.997	636.045	615.124
<b>30</b>	491.261	515.461	501.030	512.494	477.045
<b>35</b>	307.410	326.792	318.338	325.001	290.299
<b>40</b>	131.134	137.738	139.453	141.755	119.351
<b>45</b>	39.462	37.917	40.732	37.722	34.162
<b>50</b>	15.841	17.715	17.751	16.556	14.338
<b>55</b>	4.549	4.938	5.622	4.977	4.197
<b>60</b>	0.717	0.932	0.931	0.811	0.746
<b>65</b>	0.450	0.564	0.542	0.437	0.495
<b>70</b>	0.570	0.426	0.488	0.438	0.513
<b>75</b>	0.653	0.389	0.540	0.588	0.606
<b>80</b>	0.426	0.488	0.623	0.606	0.555
<b>85</b>	0.622	0.631	0.597	0.413	0.649
<b>90</b>	0.557	0.268	0.507	0.252	0.540

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_18 ~ C0812YKXT-10LXXK-XWEX-TSG-NL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	328.35	N.A.	38.00
0-30	615.97	N.A.	71.30
0-40	812.43	N.A.	94.10
0-60	861.91	N.A.	99.80
0-80	863.05	N.A.	99.90
0-90	863.62	N.A.	100.00
10-90	771.75	N.A.	89.40
20-40	484.08	N.A.	56.10
20-50	527.49	N.A.	61.10
40-70	50.06	N.A.	5.80
60-80	1.13	N.A.	0.10
70-80	0.56	N.A.	0.10
80-90	0.57	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	863.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	91.87
10-20	236.48
20-30	287.62
30-40	196.46
40-50	43.41
50-60	6.08
60-70	0.58
70-80	0.56
80-90	0.57
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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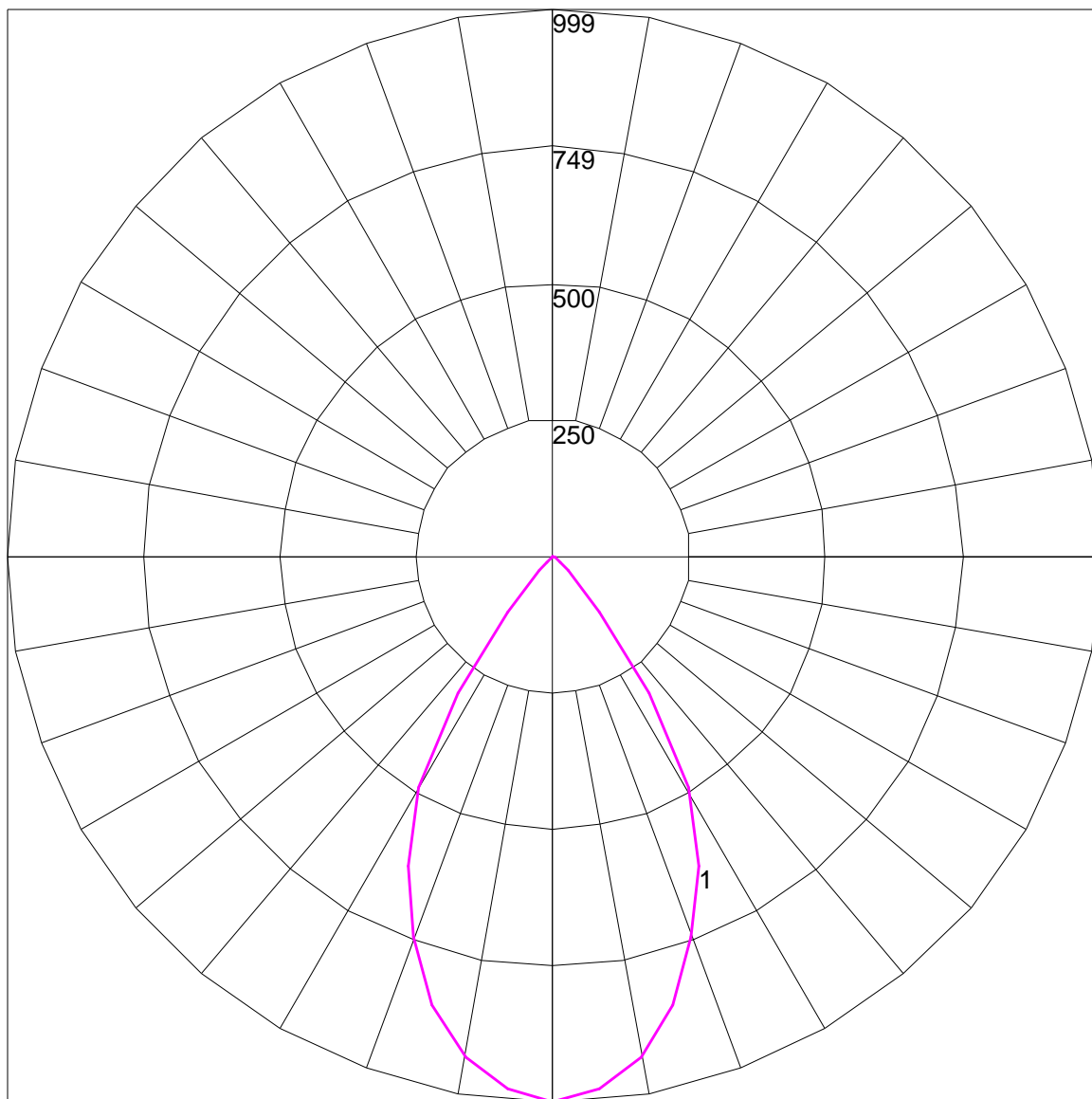
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	93	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	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62
8	80	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	60	56	64	59	56	63	59	56	54
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	52	51

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POLAR GRAPH



Maximum Candela = 999.126 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)