

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_18 ~ C0812YKXT-13LXXK-XWEX-TSG-NL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00652\_18\_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-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	1163
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	13
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-13LXXK-XWEX-TSG-NL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2259	2332	1956
55	321	397	296
65	43	52	47
75	102	85	95
85	289	277	301

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_18 ~ C0812YKXT-13LXXK-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>	1345.729	1345.729	1345.729	1345.729	1345.729
<b>5</b>	1320.321	1320.788	1315.927	1319.115	1309.583
<b>10</b>	1256.014	1258.655	1248.346	1252.068	1235.142
<b>15</b>	1146.996	1153.218	1141.164	1148.740	1119.592
<b>20</b>	998.442	1005.714	996.025	998.674	974.314
<b>25</b>	846.489	862.156	849.894	856.694	828.514
<b>30</b>	661.683	694.278	674.841	690.282	642.535
<b>35</b>	414.053	440.158	428.771	437.747	391.005
<b>40</b>	176.625	185.521	187.830	190.931	160.755
<b>45</b>	53.152	51.070	54.862	50.807	46.013
<b>50</b>	21.336	23.861	23.909	22.299	19.312
<b>55</b>	6.126	6.651	7.572	6.703	5.652
<b>60</b>	0.966	1.256	1.254	1.092	1.005
<b>65</b>	0.606	0.759	0.730	0.588	0.667
<b>70</b>	0.767	0.574	0.657	0.591	0.691
<b>75</b>	0.879	0.524	0.728	0.793	0.816
<b>80</b>	0.573	0.658	0.839	0.816	0.747
<b>85</b>	0.837	0.850	0.804	0.557	0.874
<b>90</b>	0.750	0.361	0.682	0.339	0.728

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_18 ~ C0812YKXT-13LXXK-XWEX-TSG-NL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	442.25	N.A.	38.00
0-30	829.65	N.A.	71.30
0-40	1094.26	N.A.	94.10
0-60	1160.92	N.A.	99.80
0-80	1162.44	N.A.	99.90
0-90	1163.21	N.A.	100.00
10-90	1039.47	N.A.	89.40
20-40	652.01	N.A.	56.10
20-50	710.48	N.A.	61.10
40-70	67.43	N.A.	5.80
60-80	1.53	N.A.	0.10
70-80	0.75	N.A.	0.10
80-90	0.77	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	1163.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	123.74
10-20	318.52
20-30	387.40
30-40	264.61
40-50	58.47
50-60	8.19
60-70	0.78
70-80	0.75
80-90	0.77
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

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00652\_18 ~ C0812YKXT-13LXXK-XWEX-TSG-NL.IES

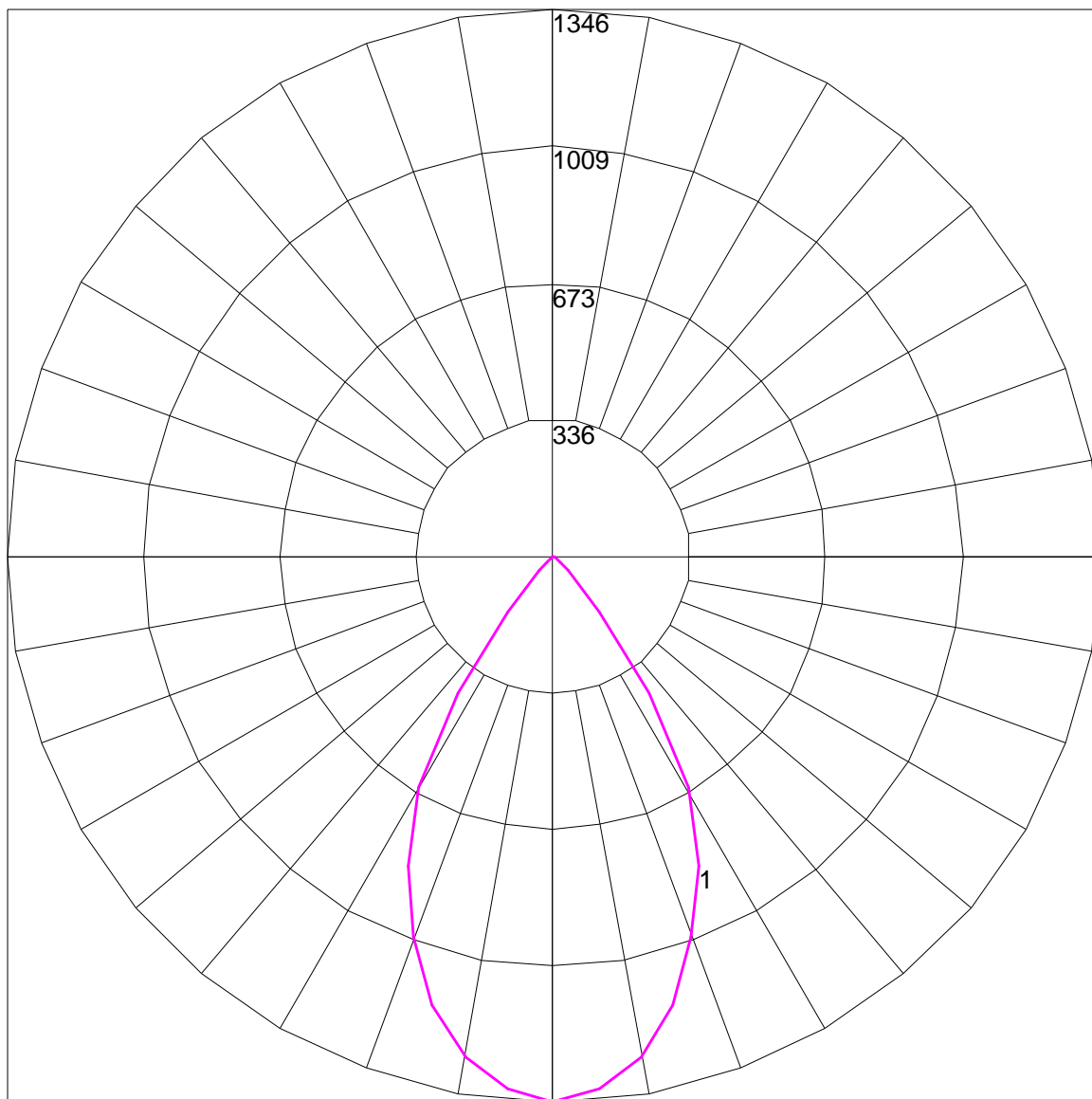
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	98	97	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	91	87	101	95	90	87	92	89	85	90	87	84	88	85	83	81
4	98	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	87	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	70	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

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : SP-00652\_18 ~ C0812YKXT-13LXXK-XWEX-TSG-NL.IES

POLAR GRAPH



Maximum Candela = 1345.729 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)