

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_16 ~ C0812YKXT-30LXXK-XWEX-TSG-FG.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00592\_16  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUE DATE] 6/29/2017  
[UPDATE] 4/2/2018  
[LUMCAT] C0812YKXT-30L-xxK-XW-EX-TSG-FG  
[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] Frosted Glass Lens, Regressed in Lower Trim  
[OTHER] 61.3 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

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2179
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.92
Spacing Criterion (90-270)	0.90
Spacing Criterion (Diagonal)	0.96
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\_16 ~ C0812YKXT-30LXXK-XWEX-TSG-FG.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13785	14163	13257
55	3739	3843	3642
65	132	109	156
75	189	129	174
85	404	442	444

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_16 ~ C0812YKXT-30LXXK-XWEX-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>	2063.390	2063.390	2063.390	2063.390	2063.390
<b>5</b>	2046.157	2046.631	2037.950	2032.397	2019.789
<b>10</b>	1958.064	1962.694	1952.314	1947.632	1921.280
<b>15</b>	1799.020	1811.923	1801.359	1798.603	1762.625
<b>20</b>	1590.298	1616.942	1601.216	1604.087	1557.756
<b>25</b>	1339.761	1374.614	1366.218	1371.133	1321.202
<b>30</b>	1065.388	1105.004	1103.555	1111.419	1062.424
<b>35</b>	797.229	837.111	833.601	843.833	800.098
<b>40</b>	550.216	585.394	574.513	591.691	545.687
<b>45</b>	324.369	331.541	333.264	334.765	311.940
<b>50</b>	159.447	157.159	160.515	164.928	152.906
<b>55</b>	71.367	74.544	73.343	76.911	69.517
<b>60</b>	19.684	13.959	21.262	17.903	19.241
<b>65</b>	1.858	1.721	1.536	2.168	2.192
<b>70</b>	1.418	1.684	1.284	1.422	1.377
<b>75</b>	1.624	1.452	1.109	1.122	1.498
<b>80</b>	1.410	1.096	1.237	1.184	1.169
<b>85</b>	1.172	1.017	1.283	1.357	1.287
<b>90</b>	1.561	0.683	1.282	0.514	1.002

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Zone	Lumens	%Lamp	%Fixt
0-20	694.04	N.A.	31.80
0-30	1315.34	N.A.	60.40
0-40	1832.82	N.A.	84.10
0-60	2171.12	N.A.	99.60
0-80	2178.22	N.A.	99.90
0-90	2179.47	N.A.	100.00
10-90	1987.78	N.A.	91.20
20-40	1138.77	N.A.	52.20
20-50	1405.05	N.A.	64.50
40-70	344.01	N.A.	15.80
60-80	7.10	N.A.	0.30
70-80	1.39	N.A.	0.10
80-90	1.25	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	2179.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	191.69
10-20	502.35
20-30	621.30
30-40	517.47
40-50	266.28
50-60	72.03
60-70	5.70
70-80	1.39
80-90	1.25
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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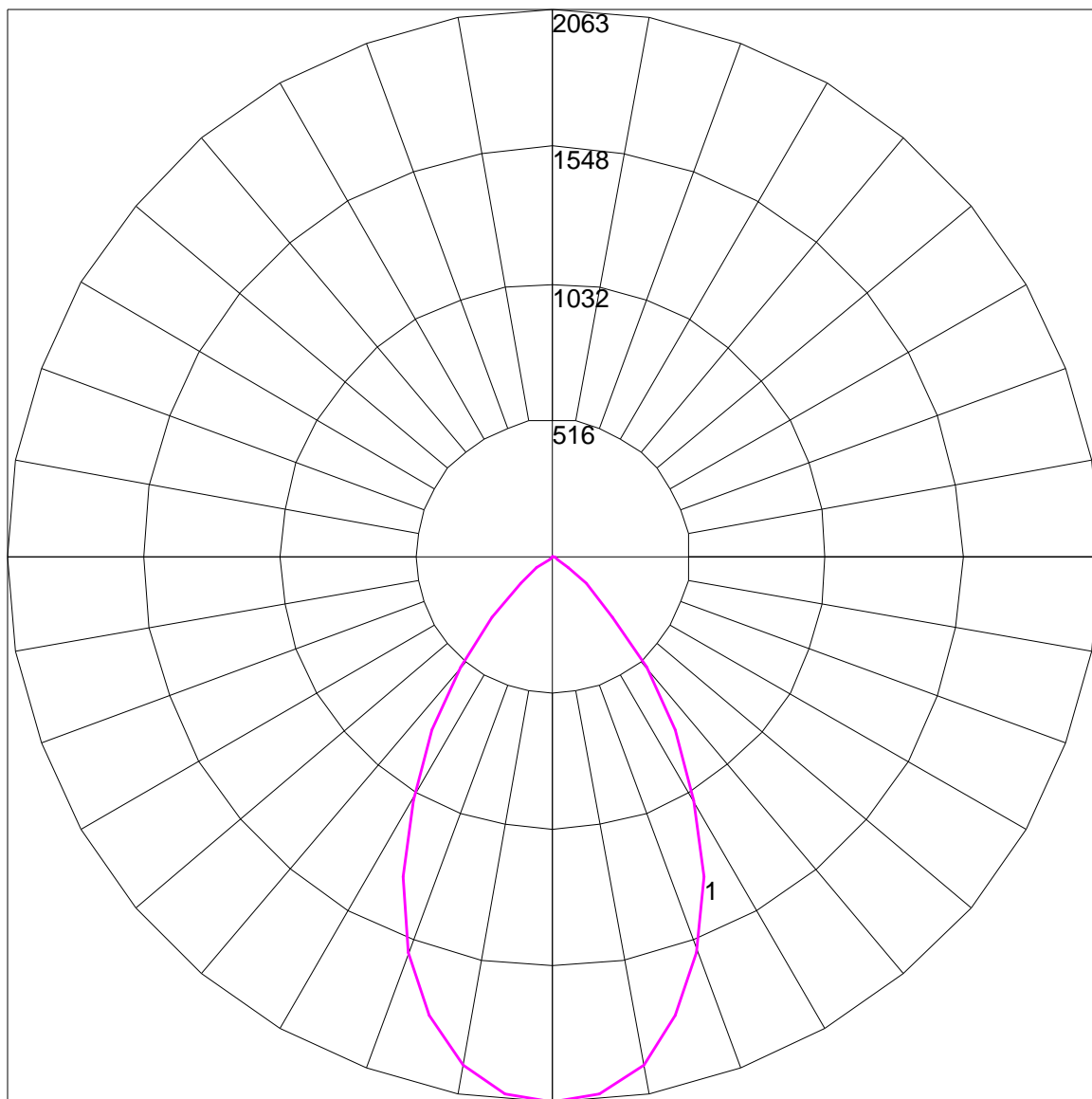
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85
3	101	94	89	84	99	93	88	84	90	86	82	87	84	81	85	82	80	78
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	73	72
5	90	81	74	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	63	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52
9	72	62	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46

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POLAR GRAPH



Maximum Candela = 2063.39 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)