

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00652\_8 ~ C0812YKXT-30LXXK-WDEX-TSG-FG.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00652\_8  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUE DATE] 6/29/2017  
 [UPDATE] 3/30/2018  
 [LUMCAT] C0812YKXT-30L-xxK-WD-EX-TSG-FG  
 [LUMINAIRE] Nom. 8" Diam. x 12" H Adjustable Yoke LED Cylinder Downlight  
 [OTHER] Upper, Internal Reflector, Wide Beam  
 [OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum  
 [OTHER] Frosted Glass Lens, Regressed in Lower Trim  
 [OTHER] 54.9 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	2102
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	0.82
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\_8 ~ C0812YKXT-30LXXK-WDEX-TSG-FG.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11719	12227	11223
55	2525	2735	2498
65	116	111	155
75	157	107	144
85	496	523	570

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_8 ~ C0812YKXT-30LXXK-WDEX-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>	2280.093	2280.093	2280.093	2280.093	2280.093
<b>5</b>	2237.403	2241.371	2235.440	2234.634	2215.882
<b>10</b>	2090.750	2101.372	2094.731	2094.537	2062.419
<b>15</b>	1861.987	1882.486	1872.243	1877.369	1833.812
<b>20</b>	1586.862	1617.351	1604.686	1615.548	1564.071
<b>25</b>	1286.792	1326.089	1321.043	1333.193	1280.461
<b>30</b>	989.157	1030.175	1033.795	1046.795	995.386
<b>35</b>	718.807	759.718	763.172	775.759	730.946
<b>40</b>	484.303	519.978	515.870	530.701	487.881
<b>45</b>	275.741	293.767	287.709	297.476	264.064
<b>50</b>	122.472	130.451	128.064	132.938	118.210
<b>55</b>	48.195	54.461	52.196	55.475	47.680
<b>60</b>	12.457	15.709	14.187	16.417	12.744
<b>65</b>	1.633	2.023	1.563	2.676	2.181
<b>70</b>	1.223	1.497	1.109	1.481	1.245
<b>75</b>	1.354	1.531	0.920	1.233	1.244
<b>80</b>	1.493	1.786	1.843	1.759	1.396
<b>85</b>	1.439	1.821	1.518	1.874	1.653
<b>90</b>	1.443	1.423	1.018	1.158	1.330

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Zone	Lumens	%Lamp	%Fixt
0-20	729.99	N.A.	34.70
0-30	1332.52	N.A.	63.40
0-40	1806.61	N.A.	86.00
0-60	2093.48	N.A.	99.60
0-80	2099.87	N.A.	99.90
0-90	2101.6	N.A.	100.00
10-90	1892.86	N.A.	90.10
20-40	1076.61	N.A.	51.20
20-50	1308.7	N.A.	62.30
40-70	291.80	N.A.	13.90
60-80	6.39	N.A.	0.30
70-80	1.46	N.A.	0.10
80-90	1.73	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	2101.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	208.74
10-20	521.26
20-30	602.53
30-40	474.09
40-50	232.09
50-60	54.78
60-70	4.93
70-80	1.46
80-90	1.73
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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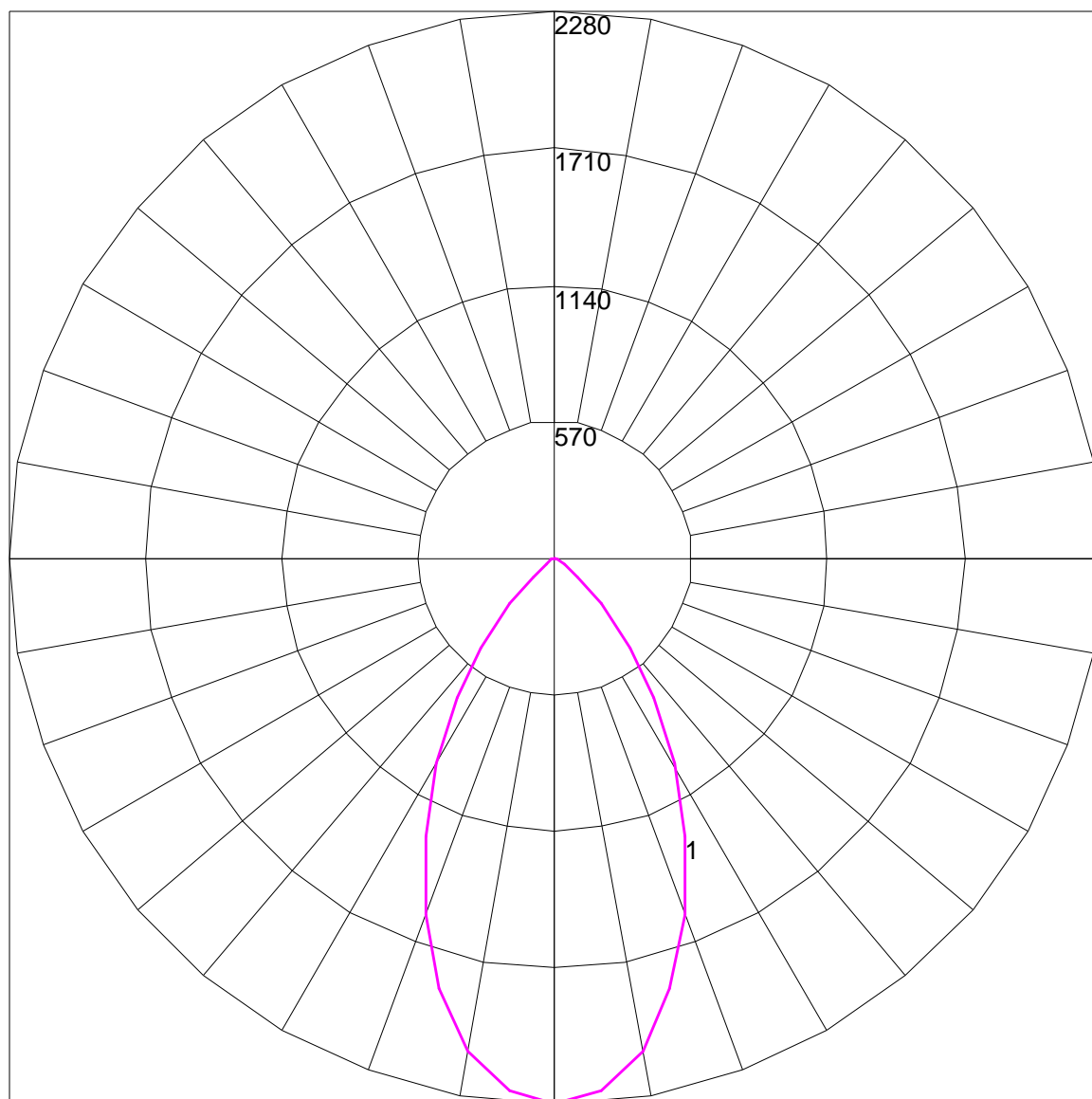
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	104	102	101	100	99	98	97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	81	77	85	80	76	83	79	75	81	77	74	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67
6	86	76	70	66	84	76	70	65	74	69	65	73	68	64	71	67	64	62
7	81	71	65	61	80	71	65	61	69	64	60	68	63	60	67	63	60	58
8	77	67	61	56	76	66	60	56	65	60	56	64	59	56	63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	52	61	56	52	60	55	52	51
10	70	59	53	49	68	59	53	49	58	53	49	57	52	49	57	52	49	47

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POLAR GRAPH



Maximum Candela = 2280.093 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)