

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_4 ~ C0812YKXT-30LXXK-NDEX-TSG-FG.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00652\_4  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUE DATE] 6/29/2017  
[UPDATE] 3/30/2018  
[LUMCAT] C0812YKXT-30L-xxK-ND-EX-TSG-FG  
[LUMINAIRE] Nom. 8" Diam. x 12" H Adjustable Yoke LED Cylinder Downlight  
[OTHER] Upper, Internal Reflector, Narrow Beam  
[OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum  
[OTHER] Frosted Glass Lens, Regressed in Lower Trim  
[OTHER] 38.8 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	2413
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.58
Spacing Criterion (Diagonal)	0.68
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\_4 ~ C0812YKXT-30LXXK-NDEX-TSG-FG.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8689	9039	7985
55	1283	1296	1096
65	108	131	133
75	207	203	144
85	627	541	505

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_4 ~ C0812YKXT-30LXXK-NDEX-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>	4171.320	4171.320	4171.320	4171.320	4171.320
<b>5</b>	3894.482	3966.501	3964.856	3973.032	3875.664
<b>10</b>	3238.874	3343.614	3341.964	3373.494	3237.738
<b>15</b>	2494.470	2597.711	2587.943	2632.517	2495.103
<b>20</b>	1855.055	1945.100	1932.154	1974.226	1859.708
<b>25</b>	1363.520	1432.403	1431.119	1460.171	1374.689
<b>30</b>	984.235	1041.289	1045.602	1067.788	998.735
<b>35</b>	684.125	730.979	733.588	752.762	694.520
<b>40</b>	426.092	465.798	453.890	472.443	418.409
<b>45</b>	204.460	217.239	212.689	216.727	187.890
<b>50</b>	74.015	76.712	75.661	76.842	65.960
<b>55</b>	24.487	25.351	24.737	25.080	20.917
<b>60</b>	6.010	6.708	6.267	5.824	5.140
<b>65</b>	1.516	2.104	1.842	2.011	1.876
<b>70</b>	1.327	1.479	1.527	1.595	1.630
<b>75</b>	1.787	1.131	1.749	1.314	1.241
<b>80</b>	1.578	1.221	1.342	1.542	1.254
<b>85</b>	1.818	1.048	1.568	1.817	1.466
<b>90</b>	1.470	0.959	1.380	1.785	1.074

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Zone	Lumens	%Lamp	%Fixt
0-20	1078.64	N.A.	44.70
0-30	1741.32	N.A.	72.20
0-40	2197.88	N.A.	91.10
0-60	2407.22	N.A.	99.80
0-80	2411.56	N.A.	99.90
0-90	2413.13	N.A.	100.00
10-90	2055.94	N.A.	85.20
20-40	1119.24	N.A.	46.40
20-50	1299.93	N.A.	53.90
40-70	212.16	N.A.	8.80
60-80	4.34	N.A.	0.20
70-80	1.52	N.A.	0.10
80-90	1.57	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	2413.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	357.19
10-20	721.45
20-30	662.68
30-40	456.56
40-50	180.69
50-60	28.65
60-70	2.82
70-80	1.52
80-90	1.57
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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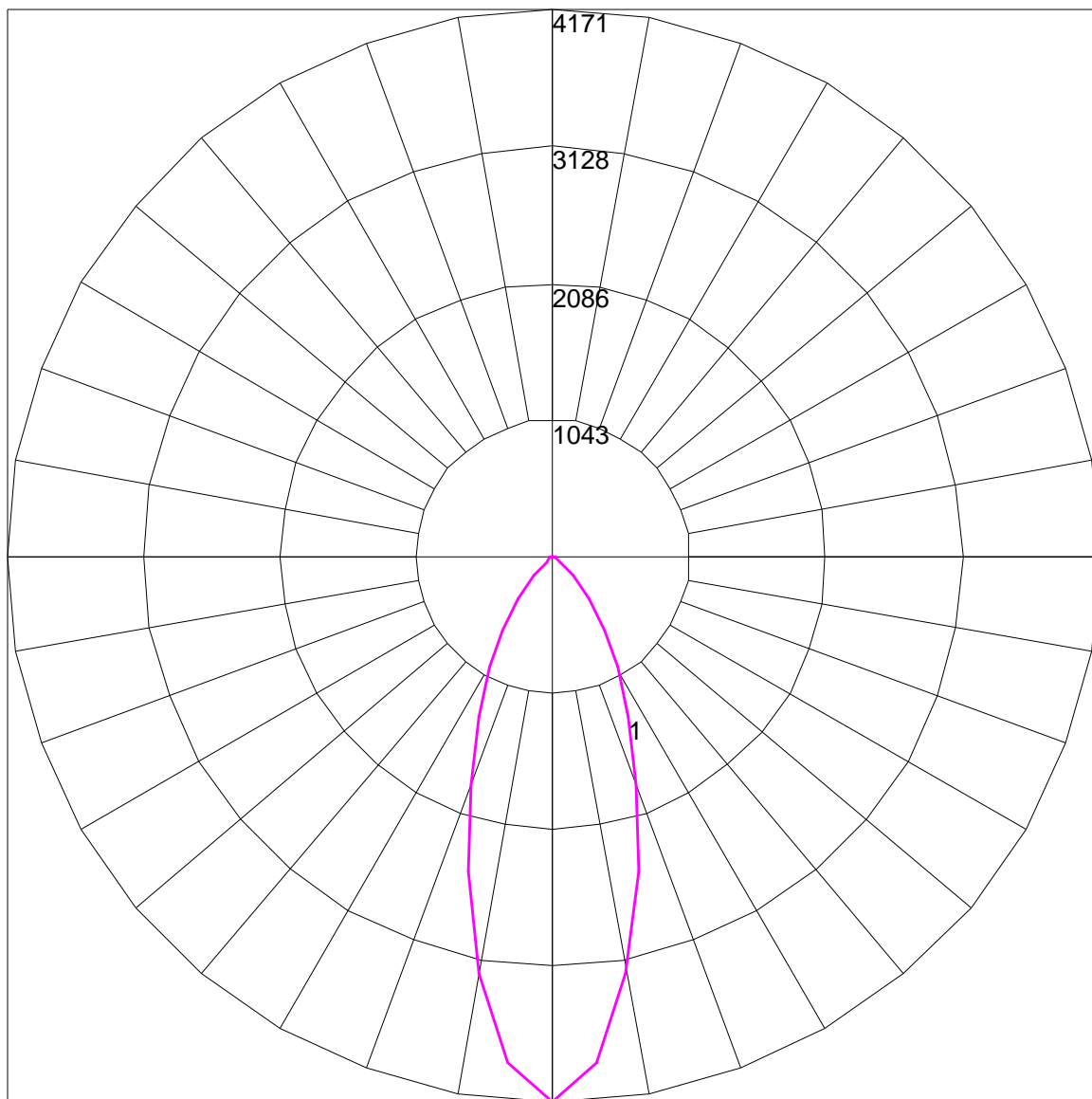
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	106	111	109	107	105	105	103	102	101	100	98	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	88	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69	67
7	85	76	70	66	84	75	70	66	74	69	66	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	59	76	68	62	59	67	62	58	66	61	58	65	61	58	57
10	74	65	59	55	73	64	59	55	64	59	55	63	58	55	62	58	55	54

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POLAR GRAPH



Maximum Candela = 4171.32 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)