

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_3 ~ C0812YKXT-30LXXK-MDEX-TSG-SO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00652\_3  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUE DATE] 6/29/2017  
[UPDATE] 3/30/2018  
[LUMCAT] C0812YKXT-30L-xxK-MD-EX-TSG-SO  
[LUMINAIRE] Nom.8" Diam. x 12" H Adjustable Yoke LED Cylinder Downlight  
[OTHER] Upper, Internal Reflector, Medium Beam  
[OTHER] Lower Trim, Semi-diffuse, Clear Anodized Aluminum  
[OTHER] Solite 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	2363
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.60
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\_3 ~ C0812YKXT-30LXXK-MDEX-TSG-SO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3250	3388	2892
55	322	294	280
65	97	111	132
75	140	106	210
85	498	696	446

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_3 ~ C0812YKXT-30LXXK-MDEX-TSG-SO.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>	4414.318	4414.318	4414.318	4414.318	4414.318
<b>5</b>	4164.814	4185.093	4155.048	4158.533	4088.771
<b>10</b>	3578.818	3612.254	3566.889	3580.913	3468.325
<b>15</b>	2829.923	2874.452	2815.659	2838.978	2713.946
<b>20</b>	2118.664	2163.032	2104.429	2130.296	2023.478
<b>25</b>	1536.579	1570.427	1525.190	1546.719	1464.231
<b>30</b>	1048.634	1076.566	1033.831	1053.242	987.192
<b>35</b>	617.563	632.130	598.510	613.236	562.094
<b>40</b>	273.628	291.676	267.101	283.204	241.687
<b>45</b>	76.475	79.840	79.710	81.586	68.054
<b>50</b>	17.589	18.346	17.799	17.891	14.710
<b>55</b>	6.154	4.702	5.609	5.228	5.343
<b>60</b>	2.418	2.580	2.057	1.618	2.657
<b>65</b>	1.367	1.754	1.557	1.559	1.861
<b>70</b>	1.271	1.514	1.524	1.201	1.767
<b>75</b>	1.202	1.846	0.915	1.347	1.810
<b>80</b>	1.434	1.901	1.609	1.474	1.310
<b>85</b>	1.443	1.575	2.019	1.654	1.293
<b>90</b>	1.054	0.844	1.270	0.854	1.833

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1165.63	N.A.	49.30
0-30	1875.39	N.A.	79.40
0-40	2266.3	N.A.	95.90
0-60	2357.8	N.A.	99.80
0-80	2361.05	N.A.	99.90
0-90	2362.68	N.A.	100.00
10-90	1983.8	N.A.	84.00
20-40	1100.67	N.A.	46.60
20-50	1185.46	N.A.	50.20
40-70	93.20	N.A.	3.90
60-80	3.25	N.A.	0.10
70-80	1.54	N.A.	0.10
80-90	1.64	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	2362.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	378.89
10-20	786.74
20-30	709.76
30-40	390.91
40-50	84.79
50-60	6.71
60-70	1.70
70-80	1.54
80-90	1.64
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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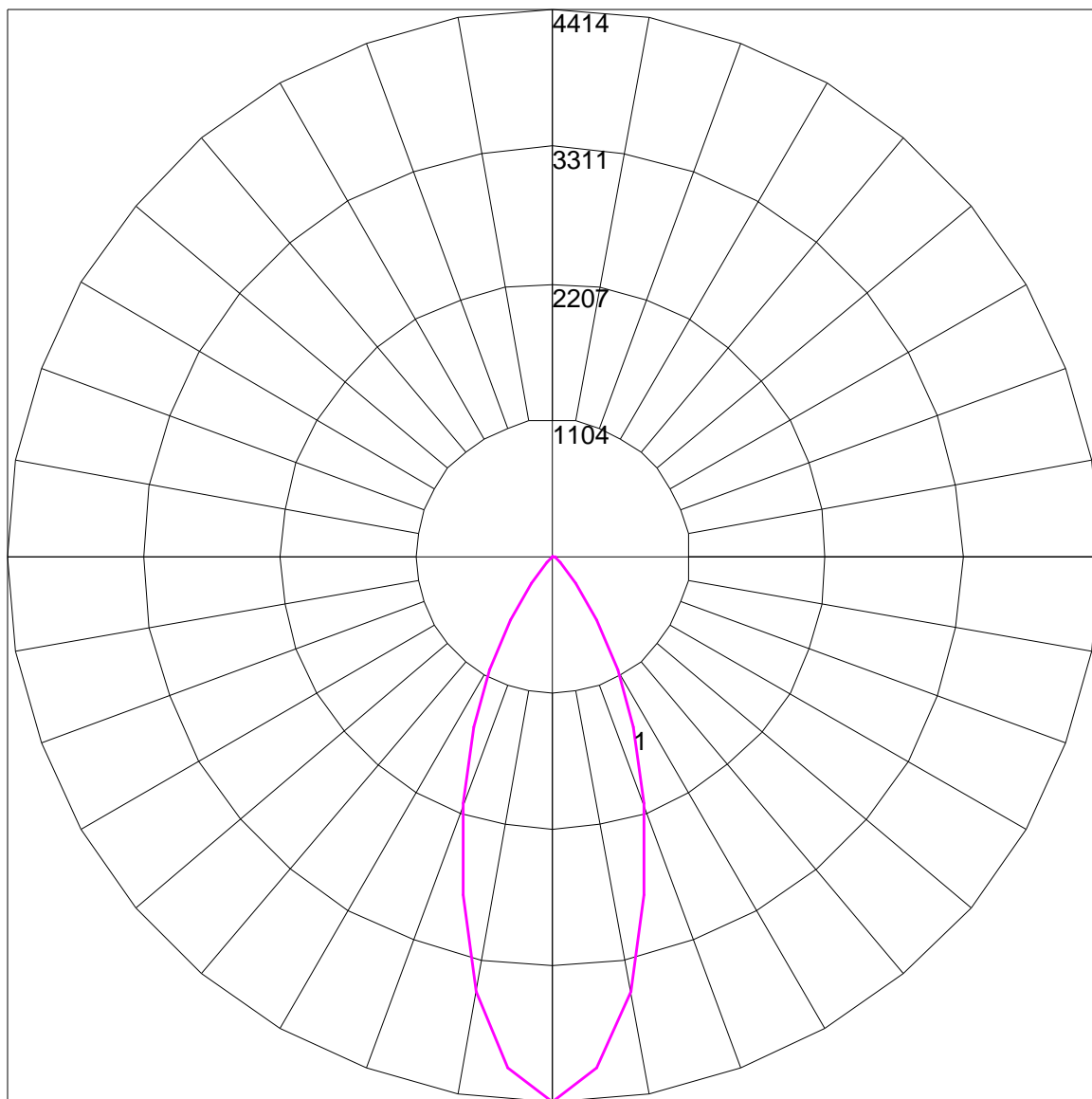
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	112	109	107	105	105	104	102	102	100	99	98	97	96	94
2	109	104	101	98	107	103	99	97	100	97	94	97	94	92	94	92	91	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	99	93	88	84	98	91	87	83	89	85	82	87	84	81	86	83	80	79
5	95	87	82	78	93	86	82	78	85	80	77	83	79	76	82	78	76	74
6	91	83	77	73	89	82	77	73	81	76	73	79	75	72	78	74	72	70
7	87	78	73	69	86	78	73	69	77	72	69	75	71	68	74	71	68	67
8	83	75	69	65	82	74	69	65	73	68	65	72	68	65	71	67	64	63
9	80	71	66	62	79	71	65	62	70	65	62	69	65	61	68	64	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57

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POLAR GRAPH



Maximum Candela = 4414.318 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)