

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_6 ~ C0812YKXT-13LXXK-NDEX-TSG-NL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00652_6_M-13L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/29/2017
[UPDATE] 3/30/2018
[LUMCAT] C0812YKXT-13L-xxK-ND-EX-TSG-NL
[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] No Lens
[OTHER] 21.4 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	1274
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.36
Spacing Criterion (90-270)	0.36
Spacing Criterion (Diagonal)	0.40
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	296	431	93
55	39	39	40
65	42	52	61
75	73	84	79
85	304	171	244

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	4959.842	4959.842	4959.842	4959.842	4959.842
5	4232.099	4388.441	4350.531	4386.508	4150.977
10	2641.278	2850.674	2815.580	2889.914	2591.948
15	1389.207	1519.090	1497.996	1551.506	1363.494
20	789.097	844.832	826.552	854.469	772.474
25	542.279	566.405	552.869	565.103	527.955
30	415.689	432.582	424.220	432.384	401.381
35	276.479	291.398	286.605	293.906	257.544
40	96.161	108.251	102.115	105.480	84.209
45	6.974	13.153	10.136	12.558	2.192
50	1.109	0.899	0.926	0.659	0.849
55	0.744	0.711	0.750	0.499	0.771
60	0.495	0.720	0.629	0.657	0.819
65	0.585	0.650	0.738	0.952	0.860
70	0.771	0.483	0.633	0.481	0.426
75	0.630	0.751	0.726	0.644	0.679
80	0.728	0.679	0.924	0.520	0.593
85	0.882	0.804	0.496	0.471	0.709
90	0.686	0.341	0.698	0.298	0.606

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Zone	Lumens	%Lamp	%Fixt
0-20	810.31	N.A.	63.60
0-30	1079.14	N.A.	84.70
0-40	1248.01	N.A.	98.00
0-60	1271.54	N.A.	99.80
0-80	1272.92	N.A.	99.90
0-90	1273.59	N.A.	100.00
10-90	907.75	N.A.	71.30
20-40	437.70	N.A.	34.40
20-50	460.58	N.A.	36.20
40-70	24.21	N.A.	1.90
60-80	1.38	N.A.	0.10
70-80	0.70	N.A.	0.10
80-90	0.67	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	1273.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	365.84
10-20	444.47
20-30	268.83
30-40	168.87
40-50	22.88
50-60	0.65
60-70	0.68
70-80	0.70
80-90	0.67
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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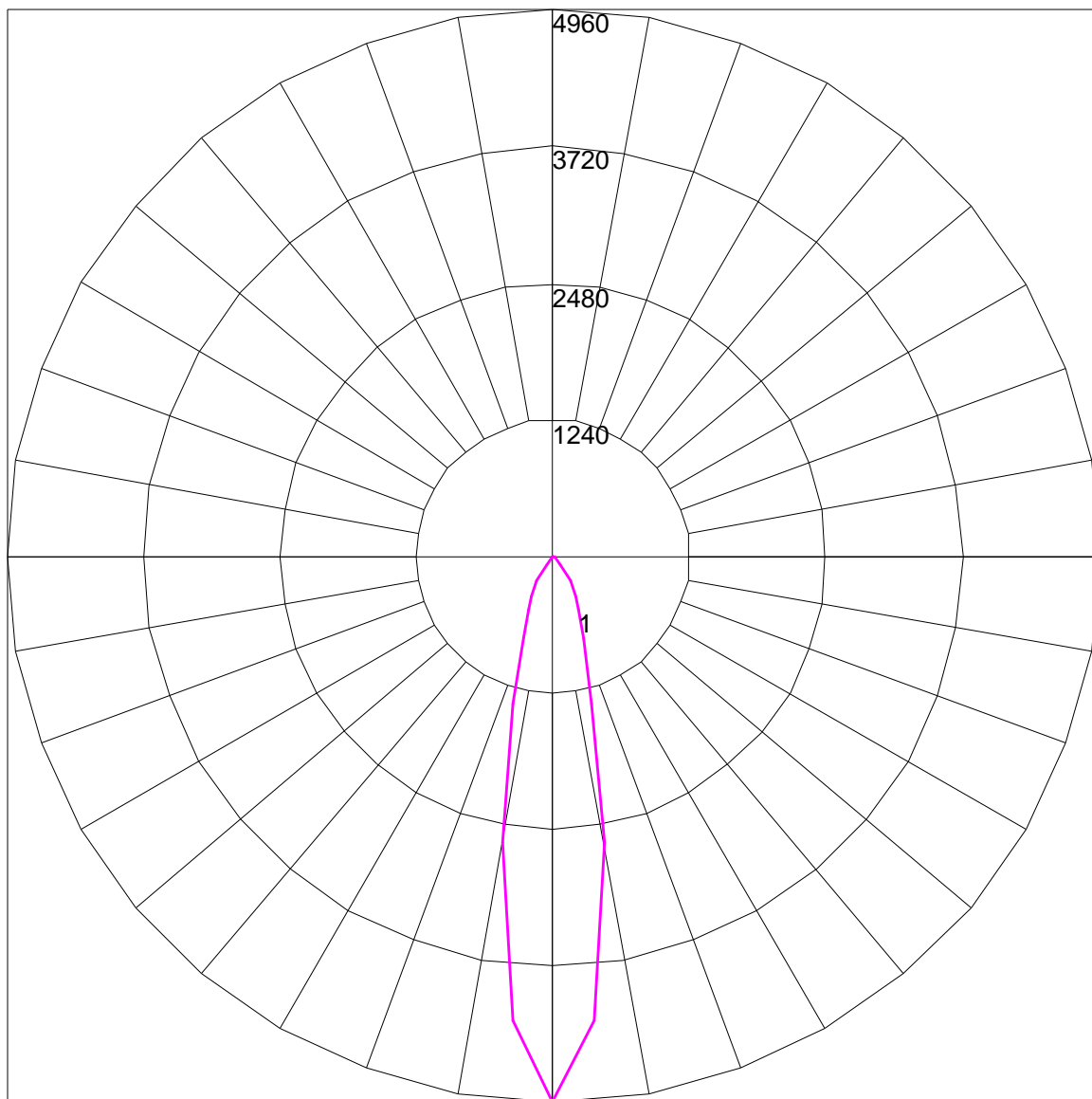
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	108	112	110	108	106	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91	95	92	90	92	90	89	87
4	102	96	91	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83
5	98	92	87	83	97	91	86	83	89	85	82	87	84	82	86	83	81	80
6	95	88	83	79	93	87	82	79	86	82	79	84	81	78	83	80	78	76
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	73
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	68
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	66

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POLAR GRAPH



Maximum Candela = 4959.842 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)