

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_7 ~ C0812YKXT-13LXXK-NDEX-TSG-SO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00652_7_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-SO
[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] Solite Lens, Regressed in Lower Trim
[OTHER] 23.1 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	1171
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.40
Spacing Criterion (90-270)	0.38
Spacing Criterion (Diagonal)	0.44
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	829	956	682
55	47	54	60
65	31	27	63
75	59	80	73
85	183	349	222

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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	4061.148	4061.148	4061.148	4061.148	4061.148
5	3492.560	3599.506	3573.552	3579.221	3404.948
10	2334.659	2476.234	2437.754	2472.490	2257.132
15	1359.097	1456.276	1418.628	1450.157	1306.054
20	812.117	859.749	832.021	851.084	778.570
25	547.165	574.572	557.195	568.768	528.061
30	384.622	406.381	395.173	405.004	375.008
35	238.307	256.893	247.870	256.712	231.334
40	98.962	111.667	105.995	113.720	93.933
45	19.502	23.704	22.495	23.880	16.055
50	1.799	2.237	2.628	2.909	2.032
55	0.891	1.082	1.034	1.140	1.145
60	0.685	0.581	0.698	0.426	0.739
65	0.440	0.507	0.383	0.782	0.890
70	0.559	0.581	0.591	0.885	0.305
75	0.506	0.376	0.693	0.719	0.632
80	0.741	0.712	0.494	0.752	0.513
85	0.532	0.640	1.012	1.044	0.645
90	0.405	0.175	0.908	0.218	0.754

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Zone	Lumens	%Lamp	%Fixt
0-20	717.42	N.A.	61.30
0-30	984.64	N.A.	84.10
0-40	1139.12	N.A.	97.30
0-60	1169.06	N.A.	99.80
0-80	1170.3	N.A.	99.90
0-90	1171.06	N.A.	100.00
10-90	866.47	N.A.	74.00
20-40	421.69	N.A.	36.00
20-50	450.49	N.A.	38.50
40-70	30.54	N.A.	2.60
60-80	1.24	N.A.	0.10
70-80	0.65	N.A.	0.10
80-90	0.75	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	1171.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	304.59
10-20	412.84
20-30	267.21
30-40	154.48
40-50	28.80
50-60	1.15
60-70	0.59
70-80	0.65
80-90	0.75
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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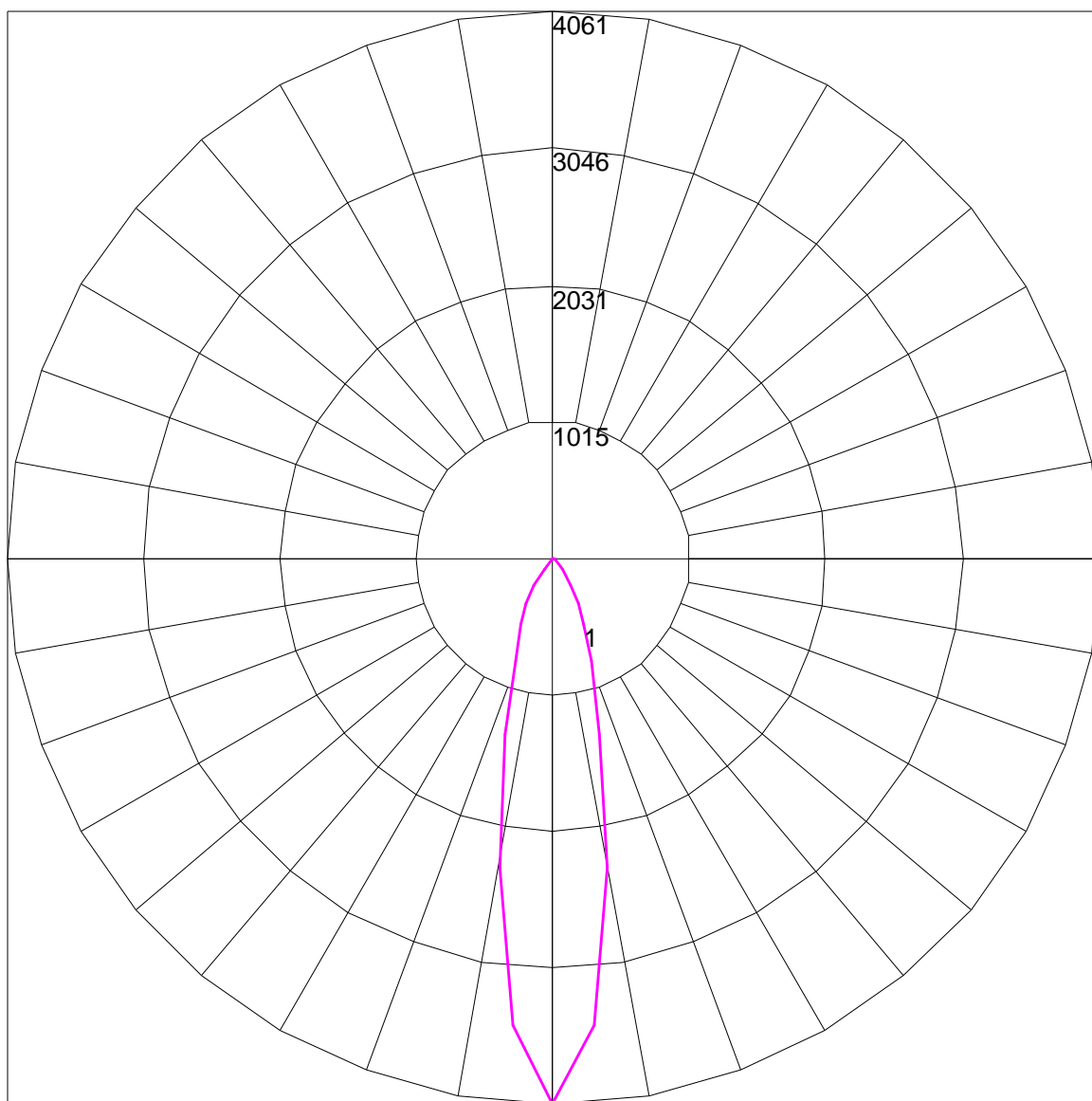
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	103	102	101	100	99	98	97	95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	86
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	87	80	75	71	86	79	74	71	78	74	71	77	73	71	76	73	70	69
9	84	76	72	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67
10	82	74	69	66	81	73	69	66	73	68	66	72	68	65	71	68	65	64

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POLAR GRAPH



Maximum Candela = 4061.148 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)