

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_17 ~ C0812YKXT-10LXXK-XWEX-TSG-GL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00652_17_M-10L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 6/29/2017

[UPDATE] 4/2/2018

[LUMCAT] C0812YKXT-10L-xxK-XW-EX-TSG-GL

[LUMINAIRE] Nom.8" Diam. x 12" H Adjustable Yoke LED Cylinder Downlight

[OTHER] Upper Internal Reflector, Xtra Wide Beam

[OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum

[OTHER] Frosted Glass Lens, Regressed in Lower Trim

[OTHER] 59.6 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	793
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.90
Spacing Criterion (90-270)	0.90
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1725	1741	1656
55	237	227	238
65	28	28	29
75	61	39	50
85	162	192	188

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_17 ~ C0812YKXT-10LXXK-XWEX-TSG-GL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	900.894	900.894	900.894	900.894	900.894
5	886.931	888.179	887.032	887.094	887.464
10	847.782	849.336	848.687	847.867	846.663
15	777.832	780.767	779.514	779.204	777.691
20	679.545	684.016	682.490	684.050	681.964
25	575.131	579.038	578.210	580.528	577.331
30	450.891	453.591	453.982	455.827	454.615
35	286.703	291.597	288.063	294.801	292.714
40	122.978	128.529	122.438	130.001	127.965
45	40.600	41.611	40.954	41.532	38.977
50	15.655	15.542	15.761	16.461	15.815
55	4.517	4.648	4.330	4.677	4.549
60	0.963	0.965	0.700	0.740	0.710
65	0.391	0.492	0.399	0.452	0.408
70	0.473	0.542	0.409	0.386	0.388
75	0.528	0.375	0.334	0.481	0.428
80	0.409	0.631	0.329	0.629	0.526
85	0.469	0.439	0.557	0.569	0.545
90	0.450	0.637	0.457	0.502	0.431

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Zone	Lumens	%Lamp	%Fixt
0-20	300.52	N.A.	37.90
0-30	563.48	N.A.	71.10
0-40	742.88	N.A.	93.70
0-60	791.07	N.A.	99.80
0-80	792.07	N.A.	99.90
0-90	792.63	N.A.	100.00
10-90	709.16	N.A.	89.50
20-40	442.36	N.A.	55.80
20-50	484.88	N.A.	61.20
40-70	48.72	N.A.	6.10
60-80	1.00	N.A.	0.10
70-80	0.47	N.A.	0.10
80-90	0.56	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	792.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	83.47
10-20	217.05
20-30	262.96
30-40	179.40
40-50	42.52
50-60	5.68
60-70	0.53
70-80	0.47
80-90	0.56
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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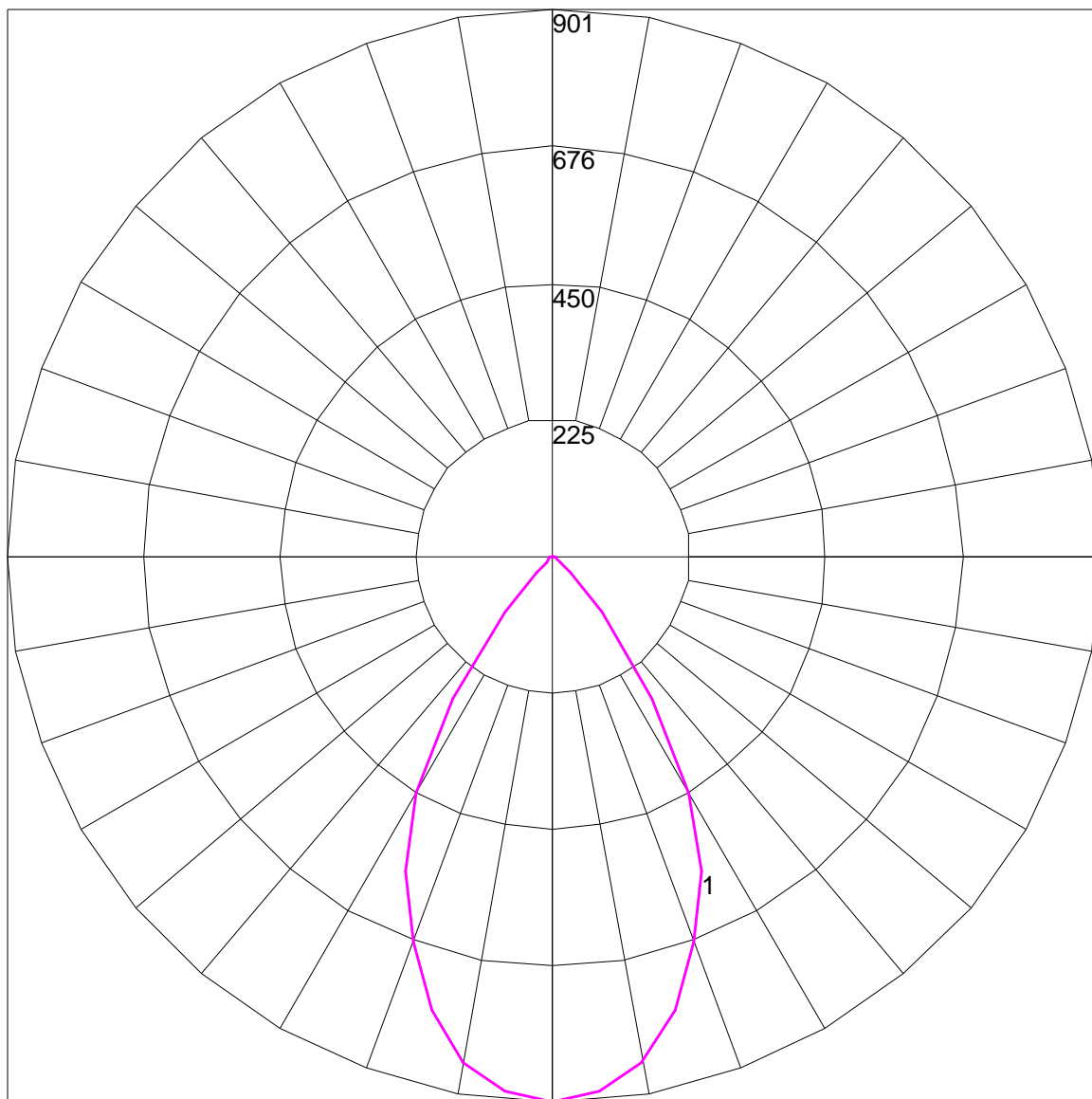
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66
7	83	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62
8	79	70	64	60	78	69	64	60	68	63	60	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51

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POLAR GRAPH



Maximum Candela = 900.894 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)