

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_8 ~ C0812YKXT-10LXXK-WDEX-TSG-FG.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00652_8_M-10L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 6/29/2017

[UPDATE] 3/30/2018

[LUMCAT] C0812YKXT-10L-xxK-WD-EX-TSG-FG

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

[OTHER] Upper, Internal Reflector, Wide Beam

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

[OTHER] Frosted Glass Lens, Regressed in Lower Trim

[OTHER] 54.9 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	676
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	0.82
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	3770	3934	3610
55	812	880	804
65	37	36	50
75	51	34	46
85	160	168	183

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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	733.506	733.506	733.506	733.506	733.506
5	719.773	721.049	719.141	718.882	712.849
10	672.594	676.011	673.875	673.813	663.480
15	599.001	605.596	602.301	603.950	589.937
20	510.494	520.302	516.227	519.722	503.162
25	413.961	426.603	424.980	428.888	411.924
30	318.212	331.407	332.572	336.754	320.216
35	231.240	244.401	245.512	249.562	235.145
40	155.800	167.277	165.955	170.727	156.951
45	88.706	94.505	92.556	95.698	84.949
50	39.399	41.966	41.198	42.766	38.028
55	15.504	17.520	16.791	17.846	15.339
60	4.007	5.054	4.564	5.281	4.100
65	0.525	0.651	0.503	0.861	0.702
70	0.393	0.482	0.357	0.476	0.401
75	0.436	0.493	0.296	0.397	0.400
80	0.480	0.575	0.593	0.566	0.449
85	0.463	0.586	0.488	0.603	0.532
90	0.464	0.458	0.327	0.373	0.428

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Zone	Lumens	%Lamp	%Fixt
0-20	234.84	N.A.	34.70
0-30	428.67	N.A.	63.40
0-40	581.19	N.A.	86.00
0-60	673.47	N.A.	99.60
0-80	675.53	N.A.	99.90
0-90	676.08	N.A.	100.00
10-90	608.93	N.A.	90.10
20-40	346.35	N.A.	51.20
20-50	421.01	N.A.	62.30
40-70	93.87	N.A.	13.90
60-80	2.06	N.A.	0.30
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	676.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	67.15
10-20	167.69
20-30	193.83
30-40	152.51
40-50	74.66
50-60	17.62
60-70	1.59
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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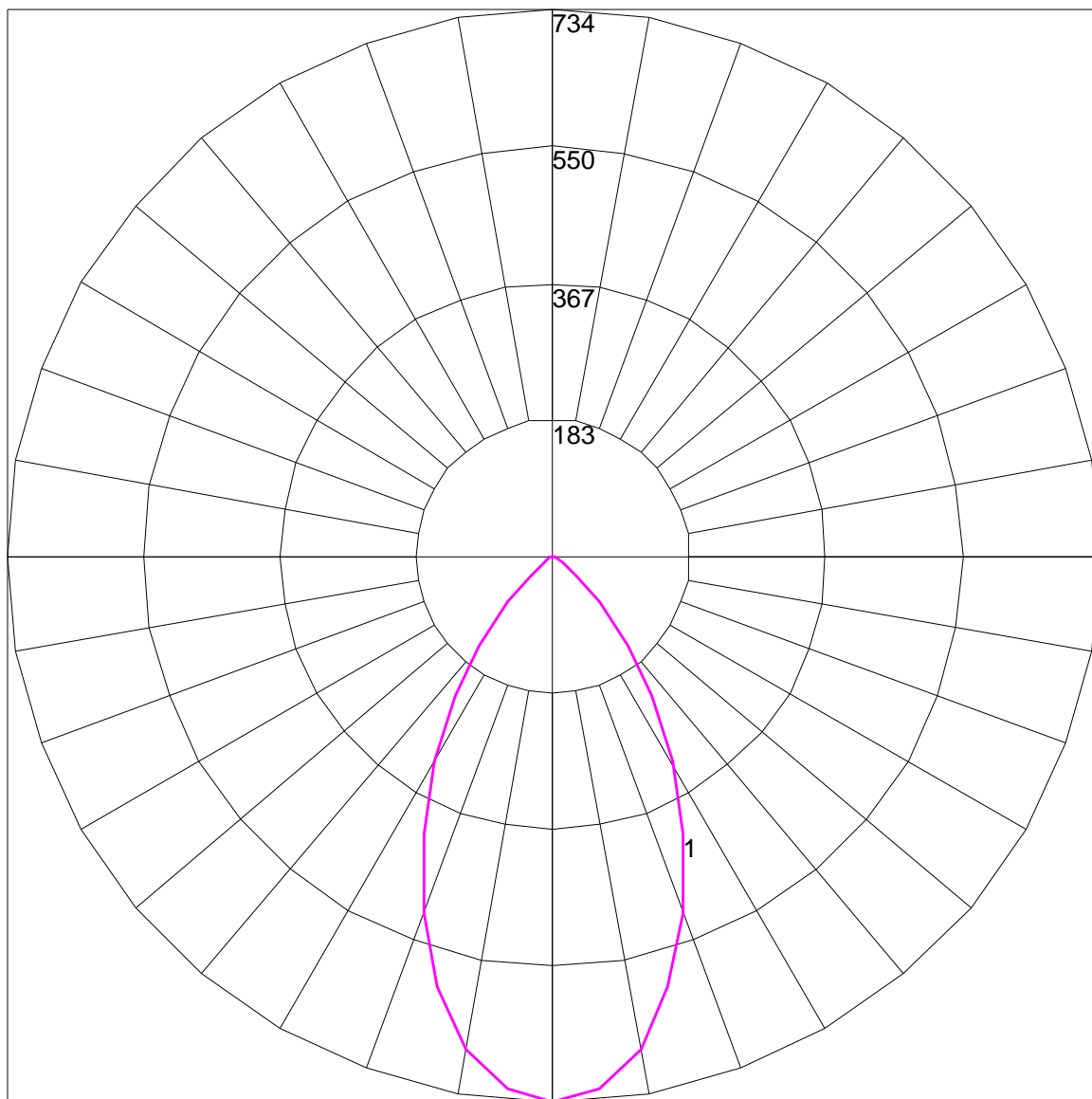
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	81	77	85	80	76	83	79	75	81	77	74	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67
6	86	76	70	66	84	76	70	65	74	69	65	73	68	64	71	67	64	63
7	81	71	65	61	80	71	65	61	70	64	60	68	63	60	67	63	60	58
8	77	67	61	56	76	66	60	56	65	60	56	64	59	56	63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	52	61	56	52	60	55	52	51
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	47

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POLAR GRAPH



Maximum Candela = 733.506 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)