

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

IESNA:LM-63-2002
[TEST] SP-00652_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/29/2017
[UPDATE] 3/30/2018
[LUMCAT] C0812YKXT-10L-xxK-MD-EX-TSG-FG
[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 Alum.
[OTHER] Frosted Glass Lens, Regressed in Lower Trim
[OTHER] 50.2 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	677
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)	0.78
Spacing Criterion (90-270)	0.74
Spacing Criterion (Diagonal)	0.82
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	3217	3232	2921
55	561	551	524
65	42	44	44
75	65	46	52
85	149	127	185

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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	847.205	847.205	847.205	847.205	847.205
5	821.863	823.635	820.054	816.837	806.120
10	751.249	755.344	748.915	746.952	729.095
15	651.520	658.550	649.656	649.041	627.301
20	538.792	549.064	540.329	541.072	517.468
25	425.131	436.425	430.895	432.187	409.689
30	318.317	329.144	326.875	328.321	308.451
35	224.294	235.488	233.073	235.405	218.459
40	144.365	153.612	149.294	153.234	137.671
45	75.692	79.858	76.045	78.040	68.719
50	30.029	31.371	29.732	30.887	27.598
55	10.717	11.541	10.511	11.719	10.000
60	2.522	3.095	2.585	3.150	2.448
65	0.588	0.762	0.612	0.592	0.617
70	0.454	0.506	0.425	0.357	0.579
75	0.562	0.390	0.396	0.429	0.445
80	0.381	0.509	0.377	0.556	0.537
85	0.432	0.472	0.367	0.558	0.537
90	0.302	0.415	0.329	0.328	0.512

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Zone	Lumens	%Lamp	%Fixt
0-20	256.80	N.A.	37.90
0-30	453.79	N.A.	67.10
0-40	599.14	N.A.	88.50
0-60	674.69	N.A.	99.70
0-80	676.28	N.A.	99.90
0-90	676.77	N.A.	100.00
10-90	600.81	N.A.	88.80
20-40	342.34	N.A.	50.60
20-50	405.72	N.A.	59.90
40-70	76.67	N.A.	11.30
60-80	1.59	N.A.	0.20
70-80	0.47	N.A.	0.10
80-90	0.49	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	676.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	75.95
10-20	180.84
20-30	196.99
30-40	145.34
40-50	63.38
50-60	12.17
60-70	1.12
70-80	0.47
80-90	0.49
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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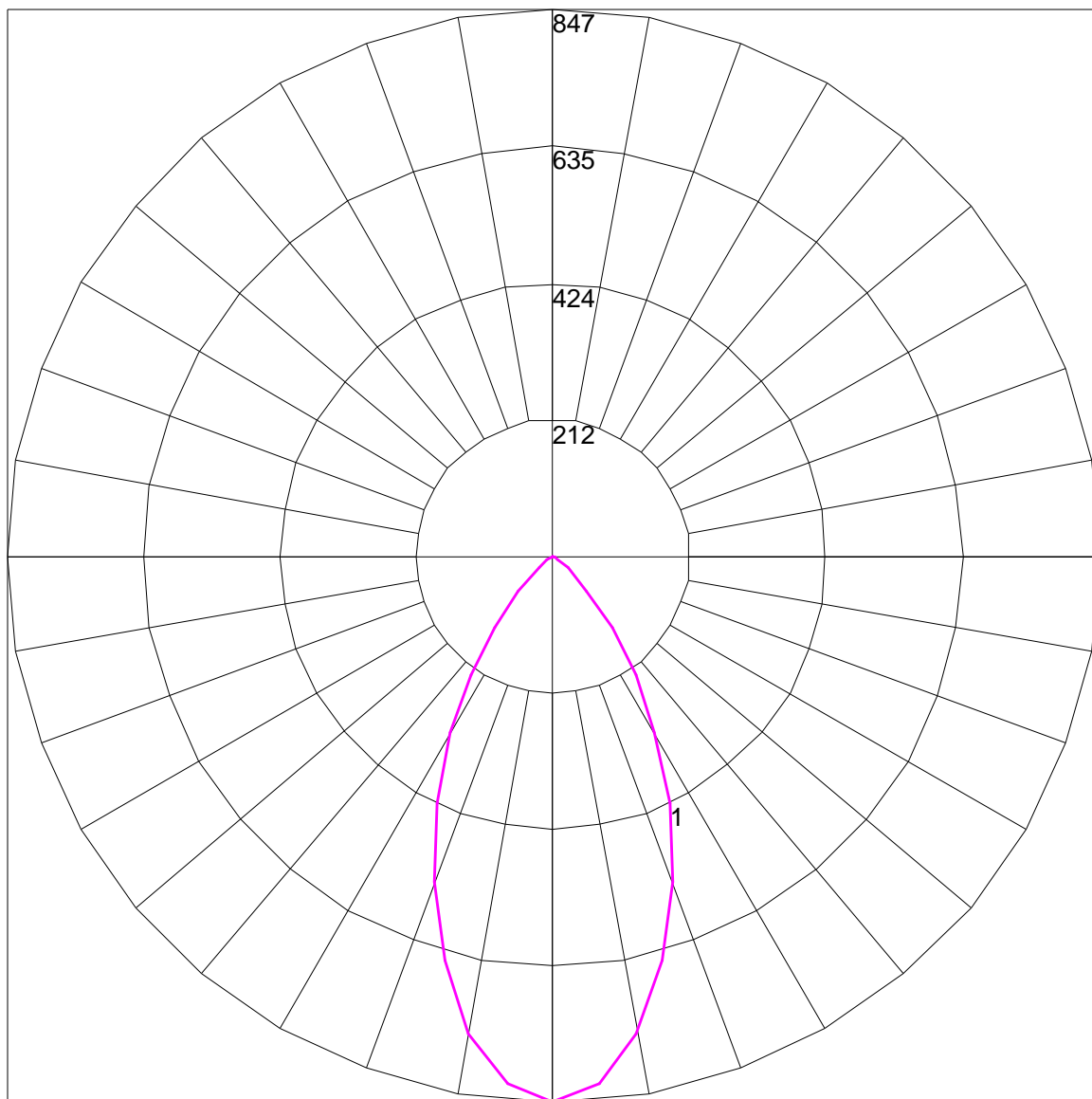
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74
5	92	83	77	73	90	82	77	72	80	76	72	79	75	71	77	74	71	69
6	87	78	72	67	85	77	71	67	76	70	67	74	70	66	73	69	66	64
7	83	73	67	63	81	72	67	63	71	66	62	70	65	62	69	65	62	60
8	78	69	63	59	77	68	62	58	67	62	58	66	61	58	65	61	58	56
9	75	65	59	55	74	64	59	55	63	58	55	63	58	54	62	57	54	53
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	59	54	51	50

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POLAR GRAPH



Maximum Candela = 847.205 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)