

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_4 ~ C0812YKXT-20LXXK-NDEX-TSG-FG.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00652_4_M-20L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 6/29/2017

[UPDATE] 3/30/2018

[LUMCAT] C0812YKXT-20L-xxK-ND-EX-TSG-FG

[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] Frosted Glass Lens, Regressed in Lower Trim

[OTHER] 38.8 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	1609
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	21.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.58
Spacing Criterion (Diagonal)	0.68
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	5793	6026	5324
55	855	864	731
65	72	87	89
75	138	135	96
85	418	360	337

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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	2781.019	2781.019	2781.019	2781.019	2781.019
5	2596.451	2644.466	2643.370	2648.820	2583.905
10	2159.357	2229.187	2228.087	2249.108	2158.600
15	1663.063	1731.894	1725.382	1755.099	1663.485
20	1236.765	1296.798	1288.167	1316.216	1239.867
25	909.059	954.983	954.127	973.496	916.505
30	656.189	694.227	697.103	711.894	665.857
35	456.106	487.344	489.083	501.866	463.036
40	284.076	310.548	302.608	314.978	278.953
45	136.313	144.833	141.800	144.492	125.266
50	49.346	51.144	50.443	51.231	43.976
55	16.325	16.902	16.492	16.721	13.945
60	4.007	4.472	4.178	3.883	3.427
65	1.011	1.403	1.228	1.341	1.251
70	0.885	0.986	1.018	1.063	1.087
75	1.191	0.754	1.166	0.876	0.827
80	1.052	0.814	0.895	1.028	0.836
85	1.212	0.699	1.045	1.211	0.977
90	0.980	0.639	0.920	1.190	0.716

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Zone	Lumens	%Lamp	%Fixt
0-20	719.13	N.A.	44.70
0-30	1160.94	N.A.	72.20
0-40	1465.33	N.A.	91.10
0-60	1604.89	N.A.	99.80
0-80	1607.78	N.A.	99.90
0-90	1608.83	N.A.	100.00
10-90	1370.7	N.A.	85.20
20-40	746.20	N.A.	46.40
20-50	866.66	N.A.	53.90
40-70	141.44	N.A.	8.80
60-80	2.89	N.A.	0.20
70-80	1.01	N.A.	0.10
80-90	1.05	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	1608.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	238.14
10-20	480.99
20-30	441.81
30-40	304.39
40-50	120.47
50-60	19.10
60-70	1.88
70-80	1.01
80-90	1.05
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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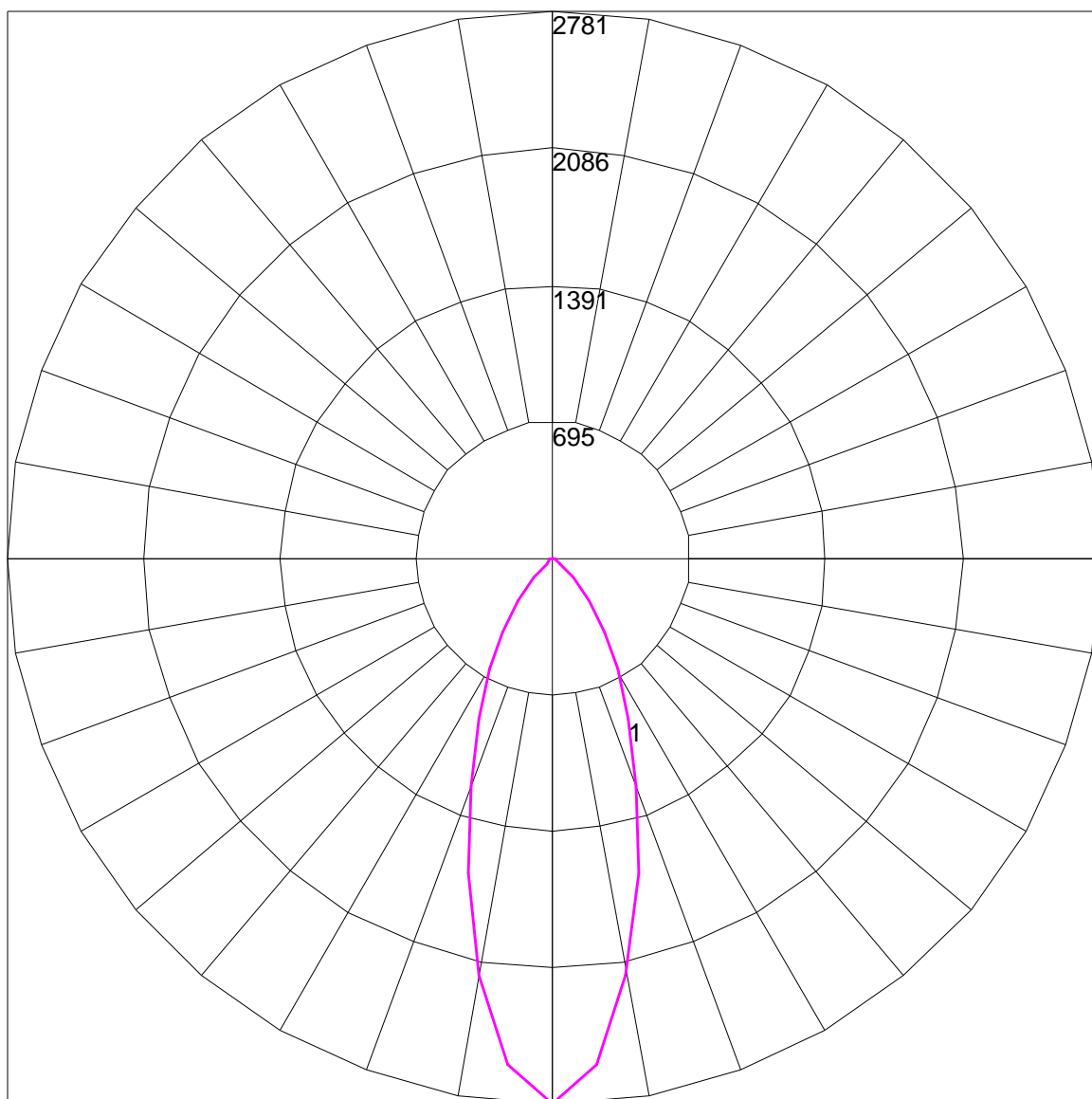
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72
6	89	80	75	70	88	80	74	70	78	73	70	77	73	69	75	72	69	67
7	85	76	70	66	84	75	70	66	74	69	66	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	59	76	68	62	59	67	62	58	66	61	58	65	61	58	57
10	74	65	59	55	73	64	59	55	64	59	55	63	58	55	62	58	55	54

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POLAR GRAPH



Maximum Candela = 2781.019 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)