

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_2 ~ C0812YKXT-10LXXK-MDEX-TSG-NL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00652_2_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-NL

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

[OTHER] Upper, Internal Reflector, Medium Beam

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

[OTHER] No Lens

[OTHER] 37.7 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	830
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.66
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_2 ~ C0812YKXT-10LXXK-MDEX-TSG-NL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	643	674	455
55	53	79	52
65	35	43	32
75	57	56	57
85	231	147	163

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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	1591.173	1591.173	1591.173	1591.173	1591.173
5	1507.353	1518.058	1505.278	1512.315	1484.047
10	1288.637	1310.211	1288.774	1303.479	1252.866
15	1002.239	1025.620	1004.118	1021.026	966.797
20	733.555	754.221	737.167	750.756	706.657
25	527.856	542.482	531.101	539.447	508.022
30	374.331	385.086	374.869	379.402	350.073
35	221.164	236.150	221.517	227.645	193.396
40	78.247	92.571	80.670	87.374	62.741
45	15.135	13.450	15.863	14.235	10.713
50	3.119	3.749	3.991	3.634	2.598
55	1.010	1.342	1.511	1.319	0.984
60	0.556	0.675	0.758	0.602	0.536
65	0.499	0.584	0.605	0.523	0.454
70	0.654	0.553	0.504	0.425	0.576
75	0.487	0.503	0.485	0.633	0.494
80	0.488	0.490	0.457	0.630	0.436
85	0.670	0.513	0.426	0.521	0.472
90	0.383	0.270	0.460	0.291	0.618

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Zone	Lumens	%Lamp	%Fixt
0-20	417.99	N.A.	50.30
0-30	666.46	N.A.	80.30
0-40	805.64	N.A.	97.00
0-60	828.65	N.A.	99.80
0-80	829.77	N.A.	99.90
0-90	830.29	N.A.	100.00
10-90	693.03	N.A.	83.50
20-40	387.65	N.A.	46.70
20-50	409.16	N.A.	49.30
40-70	23.58	N.A.	2.80
60-80	1.11	N.A.	0.10
70-80	0.55	N.A.	0.10
80-90	0.52	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	830.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	137.25
10-20	280.73
20-30	248.47
30-40	139.18
40-50	21.51
50-60	1.50
60-70	0.56
70-80	0.55
80-90	0.52
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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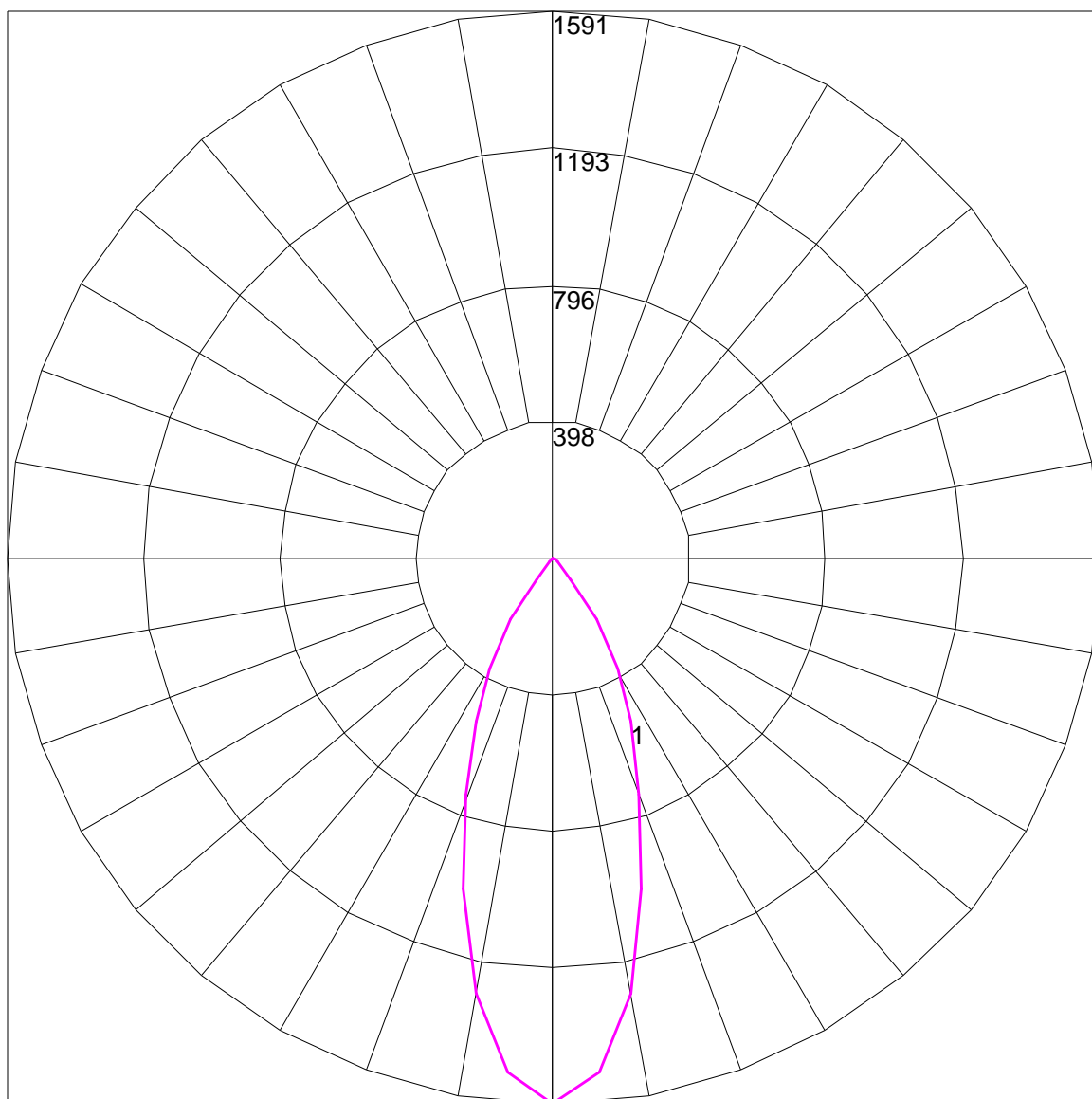
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	104	98	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79
5	95	88	83	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75
6	91	83	78	74	90	82	77	74	81	77	73	80	76	73	78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67
8	84	75	70	66	83	75	69	66	74	69	66	73	68	65	72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	58

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POLAR GRAPH



Maximum Candela = 1591.173 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)