

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_11 ~ C0812YKXT-20LXXK-WDEX-TSG-SO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00652_11_M-20L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 6/29/2017

[UPDATE] 4/2/2018

[LUMCAT] C0812YKXT-20L-xxK-WD-EX-TSG-SO

[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] Solite Lens, Regressed in Lower Trim

[OTHER] 45.6 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	1588
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	21.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.72
Spacing Criterion (90-270)	0.70
Spacing Criterion (Diagonal)	0.76
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	2898	3013	2564
55	321	349	324
65	82	69	69
75	98	99	107
85	343	429	410

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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	2455.237	2455.237	2455.237	2455.237	2455.237
5	2371.573	2383.235	2363.032	2365.774	2338.545
10	2141.750	2158.215	2132.076	2137.862	2090.025
15	1791.772	1816.568	1786.423	1795.660	1731.771
20	1416.043	1435.317	1410.588	1415.114	1358.265
25	1078.108	1097.152	1076.142	1080.467	1031.286
30	769.700	788.945	765.449	775.199	727.709
35	471.017	485.288	467.741	468.586	430.920
40	221.908	234.288	220.520	222.486	194.756
45	68.194	63.353	70.892	58.752	60.326
50	21.172	19.722	19.912	19.294	19.751
55	6.136	5.154	6.664	5.816	6.175
60	1.503	1.192	1.595	1.401	1.346
65	1.149	0.886	0.975	0.791	0.964
70	1.081	0.734	0.966	0.965	0.748
75	0.845	0.859	0.851	1.025	0.925
80	1.082	0.638	0.990	0.704	0.839
85	0.995	1.265	1.243	1.551	1.190
90	0.939	0.335	0.799	0.393	0.836

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Zone	Lumens	%Lamp	%Fixt
0-20	715.52	N.A.	45.10
0-30	1210.29	N.A.	76.20
0-40	1507.6	N.A.	94.90
0-60	1584.81	N.A.	99.80
0-80	1586.78	N.A.	99.90
0-90	1587.87	N.A.	100.00
10-90	1369.14	N.A.	86.20
20-40	792.08	N.A.	49.90
20-50	861.99	N.A.	54.30
40-70	78.25	N.A.	4.90
60-80	1.96	N.A.	0.10
70-80	0.93	N.A.	0.10
80-90	1.09	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	1587.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	218.72
10-20	496.80
20-30	494.77
30-40	297.31
40-50	69.91
50-60	7.31
60-70	1.03
70-80	0.93
80-90	1.09
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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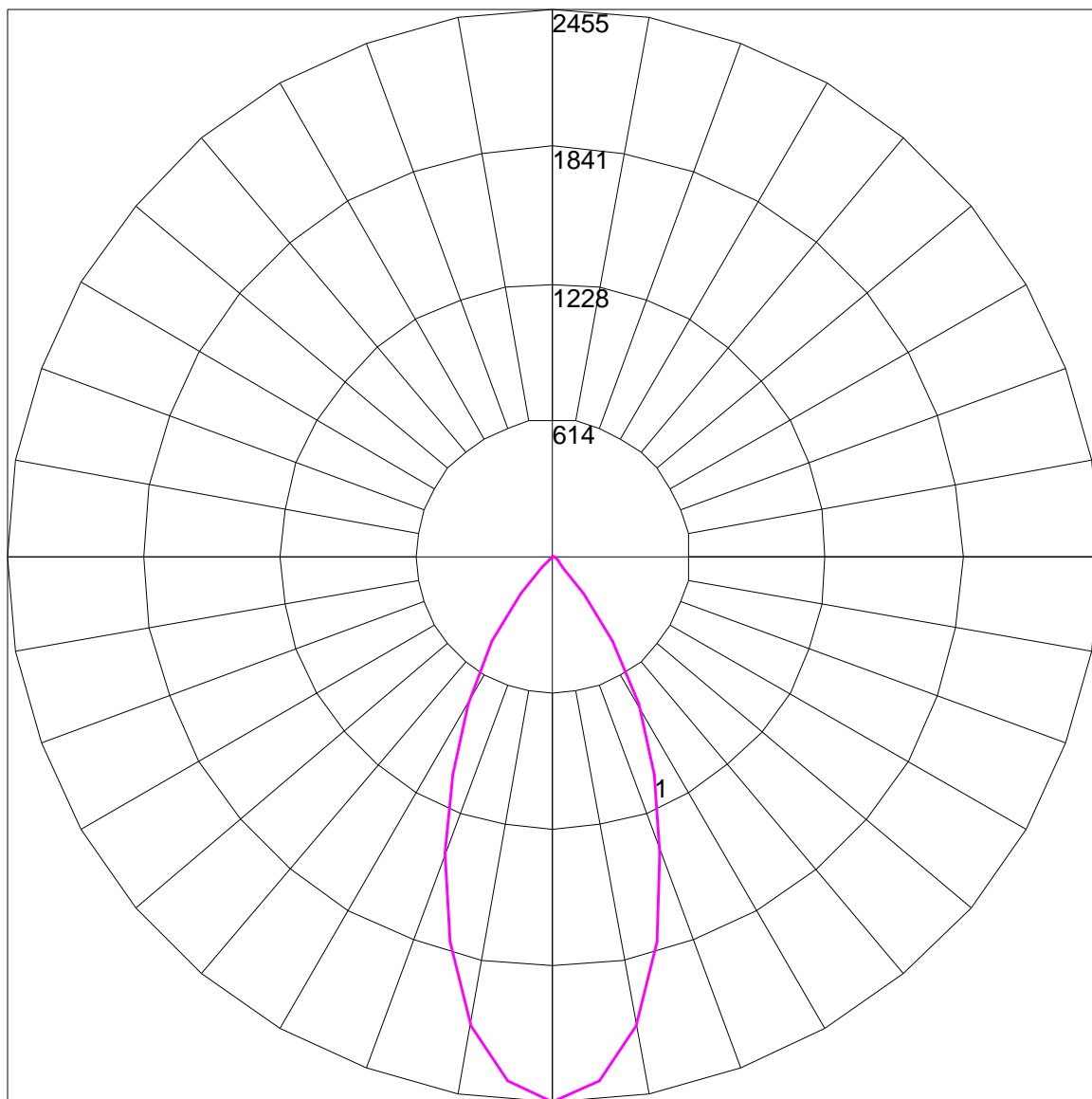
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	102	96	92	88	93	90	87	91	88	86	89	86	84	83
4	99	92	86	82	97	90	86	82	88	84	81	86	83	80	84	82	79	78
5	94	86	81	77	92	85	80	76	83	79	76	82	78	75	80	77	74	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	69
7	86	77	71	67	84	76	71	67	75	70	67	74	70	66	73	69	66	65
8	82	73	67	63	81	72	67	63	71	66	63	70	66	63	69	65	62	61
9	78	69	63	60	77	69	63	60	68	63	59	67	62	59	66	62	59	58
10	75	66	60	57	74	65	60	56	64	60	56	64	59	56	63	59	56	55

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POLAR GRAPH



Maximum Candela = 2455.237 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)