

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_10 ~ C0812YKXT-20LXXK-WDEX-TSG-NL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00652_10_M-20L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 6/29/2017

[UPDATE] 3/30/2018

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

[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] No Lens

[OTHER] 44.8 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	1718
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	21.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.70
Spacing Criterion (90-270)	0.68
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	2061	1689	1471
55	210	280	193
65	75	119	84
75	123	159	146
85	451	394	475

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_10 ~ C0812YKXT-20LXXK-WDEX-TSG-NL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2689.236	2689.236	2689.236	2689.236	2689.236
5	2602.075	2616.894	2601.983	2603.072	2576.949
10	2358.644	2386.625	2361.985	2369.845	2311.417
15	1966.965	1999.729	1965.864	1984.259	1899.361
20	1521.901	1547.839	1512.592	1531.133	1456.929
25	1152.825	1168.418	1142.120	1153.946	1102.657
30	861.190	881.816	859.818	871.750	815.111
35	532.384	556.845	527.297	541.276	475.842
40	205.843	230.466	206.647	218.914	174.970
45	48.489	48.312	39.735	43.794	34.612
50	15.866	15.870	14.783	15.085	13.117
55	4.004	5.093	5.341	4.722	3.677
60	1.066	1.710	1.810	1.643	1.660
65	1.060	1.005	1.675	1.305	1.183
70	1.210	1.017	0.922	1.377	1.041
75	1.061	1.133	1.370	1.049	1.259
80	1.172	1.431	1.259	0.999	1.435
85	1.308	1.173	1.143	1.509	1.377
90	1.567	0.461	1.341	0.461	1.244

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Zone	Lumens	%Lamp	%Fixt
0-20	785.73	N.A.	45.70
0-30	1320.07	N.A.	76.80
0-40	1649.66	N.A.	96.00
0-60	1714.45	N.A.	99.80
0-80	1717.01	N.A.	99.90
0-90	1718.31	N.A.	100.00
10-90	1477.38	N.A.	86.00
20-40	863.93	N.A.	50.30
20-50	922.94	N.A.	53.70
40-70	66.10	N.A.	3.80
60-80	2.56	N.A.	0.10
70-80	1.25	N.A.	0.10
80-90	1.30	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	1718.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	240.92
10-20	544.80
20-30	534.34
30-40	329.59
40-50	59.01
50-60	5.78
60-70	1.31
70-80	1.25
80-90	1.30
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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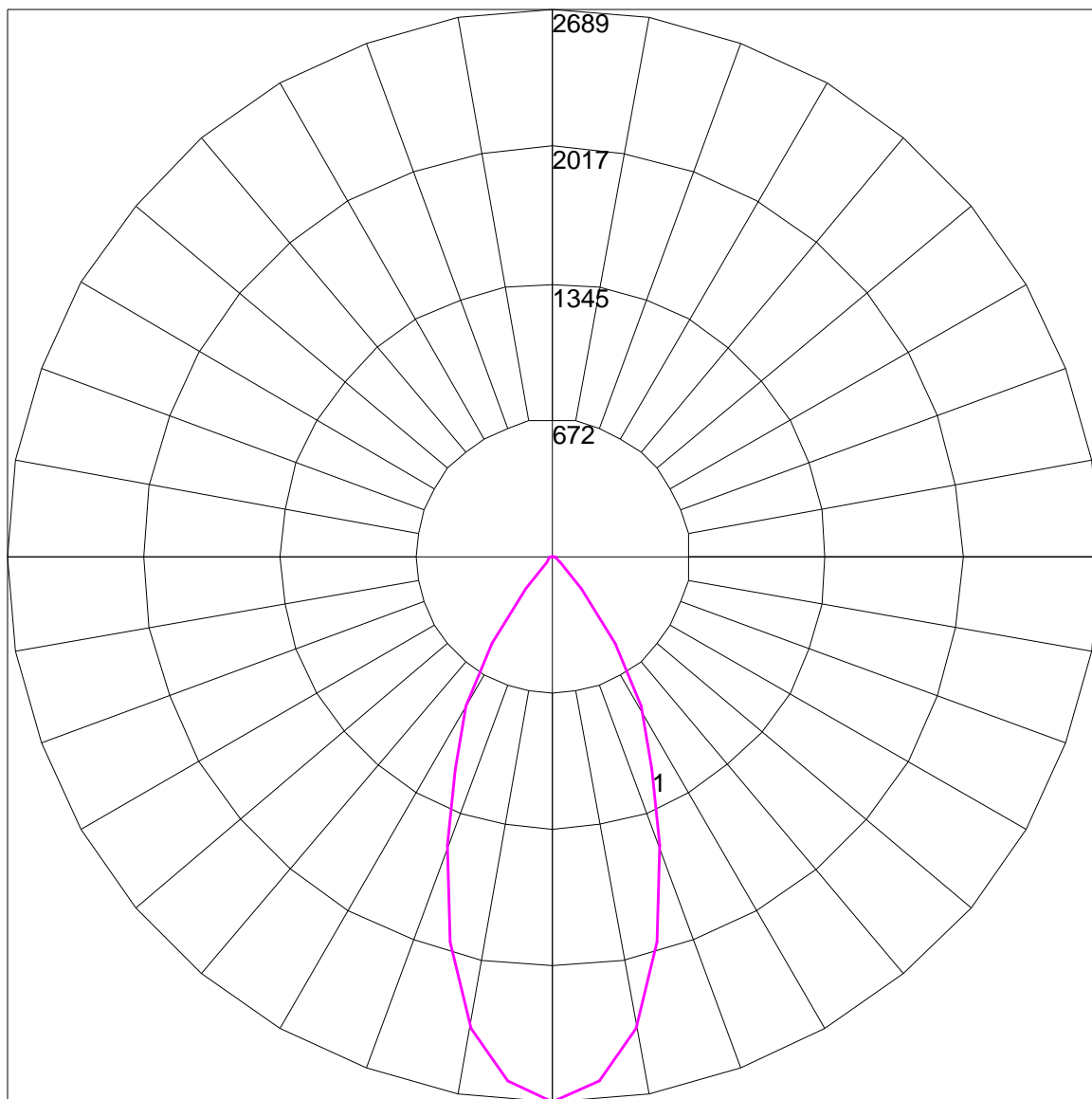
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 2689.236 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)