

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_17 ~ C0812YKXT-20LXXK-XWEX-TSG-GL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00652_17_M-20L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 6/29/2017

[UPDATE] 4/2/2018

[LUMCAT] C0812YKXT-20L-xxK-XW-EX-TSG-GL

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

[OTHER] Upper Internal Reflector, Xtra Wide Beam

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

[OTHER] Frosted Glass Lens, Regressed in Lower Trim

[OTHER] 59.6 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	1643
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	21.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.90
Spacing Criterion (90-270)	0.90
Spacing Criterion (Diagonal)	0.90
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	3576	3607	3433
55	490	470	494
65	58	59	60
75	127	80	103
85	335	398	389

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_17 ~ C0812YKXT-20LXXK-XWEX-TSG-GL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1867.037	1867.037	1867.037	1867.037	1867.037
5	1838.100	1840.687	1838.309	1838.437	1839.206
10	1756.967	1760.187	1758.843	1757.144	1754.647
15	1612.000	1618.082	1615.486	1614.844	1611.709
20	1408.307	1417.574	1414.412	1417.645	1413.321
25	1191.918	1200.015	1198.299	1203.101	1196.476
30	934.439	940.035	940.845	944.669	942.157
35	594.170	604.314	596.990	610.954	606.628
40	254.863	266.367	253.745	269.418	265.198
45	84.140	86.236	84.874	86.072	80.776
50	32.443	32.210	32.664	34.114	32.775
55	9.361	9.633	8.973	9.692	9.428
60	1.995	2.001	1.451	1.533	1.471
65	0.809	1.019	0.826	0.937	0.846
70	0.981	1.124	0.847	0.800	0.804
75	1.094	0.777	0.692	0.996	0.886
80	0.848	1.307	0.681	1.303	1.089
85	0.972	0.910	1.154	1.179	1.129
90	0.933	1.319	0.947	1.041	0.894

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Zone	Lumens	%Lamp	%Fixt
0-20	622.80	N.A.	37.90
0-30	1167.76	N.A.	71.10
0-40	1539.56	N.A.	93.70
0-60	1639.44	N.A.	99.80
0-80	1641.5	N.A.	99.90
0-90	1642.67	N.A.	100.00
10-90	1469.69	N.A.	89.50
20-40	916.76	N.A.	55.80
20-50	1004.87	N.A.	61.20
40-70	100.97	N.A.	6.10
60-80	2.07	N.A.	0.10
70-80	0.98	N.A.	0.10
80-90	1.16	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	1642.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	172.98
10-20	449.82
20-30	544.96
30-40	371.79
40-50	88.11
50-60	11.77
60-70	1.09
70-80	0.98
80-90	1.16
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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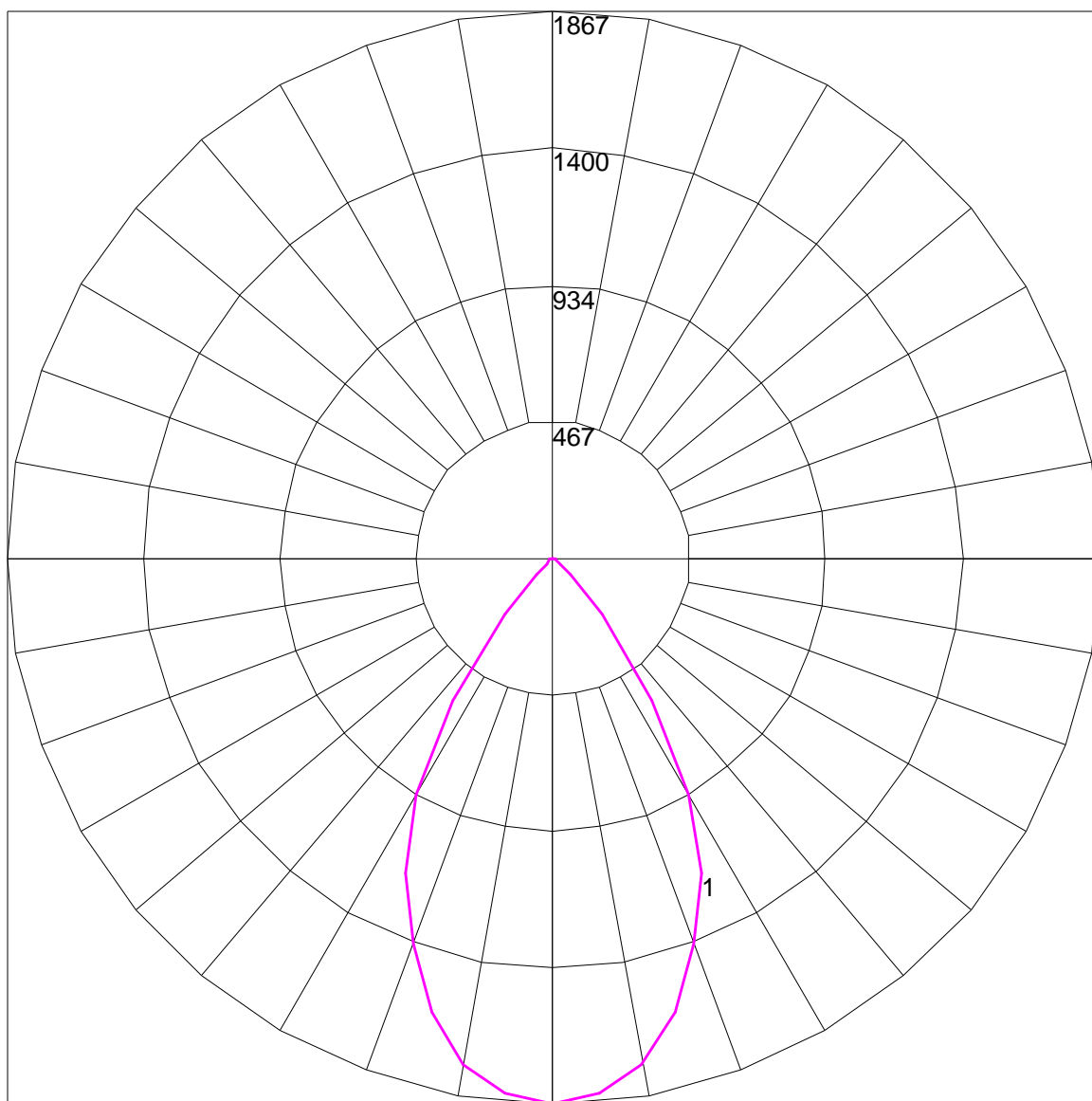
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	93	84	78	74	91	83	78	74	81	77	73	80	76	73	78	75	72	70
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62
8	79	70	64	60	78	69	64	60	68	63	60	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51

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POLAR GRAPH



Maximum Candela = 1867.037 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)