

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_18 ~ C0812YKXT-20LXXK-XWEX-TSG-NL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00652_18_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-NL

[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] No Lens

[OTHER] 59.1 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	1790
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	21.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.90
Spacing Criterion (90-270)	0.88
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	3476	3588	3009
55	494	610	456
65	66	80	73
75	157	130	146
85	444	427	463

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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	2070.616	2070.616	2070.616	2070.616	2070.616
5	2031.522	2032.239	2024.761	2029.665	2014.999
10	1932.575	1936.638	1920.776	1926.504	1900.459
15	1764.834	1774.406	1755.860	1767.517	1722.667
20	1536.259	1547.449	1532.541	1536.616	1499.134
25	1302.456	1326.563	1307.695	1318.158	1274.799
30	1018.103	1068.256	1038.349	1062.108	988.641
35	637.085	677.253	659.732	673.542	601.623
40	271.766	285.453	289.006	293.777	247.346
45	81.782	78.580	84.414	78.175	70.799
50	32.828	36.714	36.788	34.311	29.714
55	9.426	10.233	11.651	10.314	8.697
60	1.487	1.932	1.930	1.681	1.547
65	0.933	1.168	1.123	0.905	1.027
70	1.181	0.883	1.011	0.909	1.063
75	1.353	0.807	1.120	1.219	1.256
80	0.882	1.012	1.291	1.256	1.149
85	1.288	1.308	1.237	0.857	1.344
90	1.155	0.556	1.050	0.522	1.120

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Zone	Lumens	%Lamp	%Fixt
0-20	680.48	N.A.	38.00
0-30	1276.55	N.A.	71.30
0-40	1683.7	N.A.	94.10
0-60	1786.26	N.A.	99.80
0-80	1788.6	N.A.	99.90
0-90	1789.78	N.A.	100.00
10-90	1599.39	N.A.	89.40
20-40	1003.22	N.A.	56.10
20-50	1093.18	N.A.	61.10
40-70	103.75	N.A.	5.80
60-80	2.35	N.A.	0.10
70-80	1.15	N.A.	0.10
80-90	1.18	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	1789.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	190.39
10-20	490.09
20-30	596.08
30-40	407.14
40-50	89.96
50-60	12.60
60-70	1.20
70-80	1.15
80-90	1.18
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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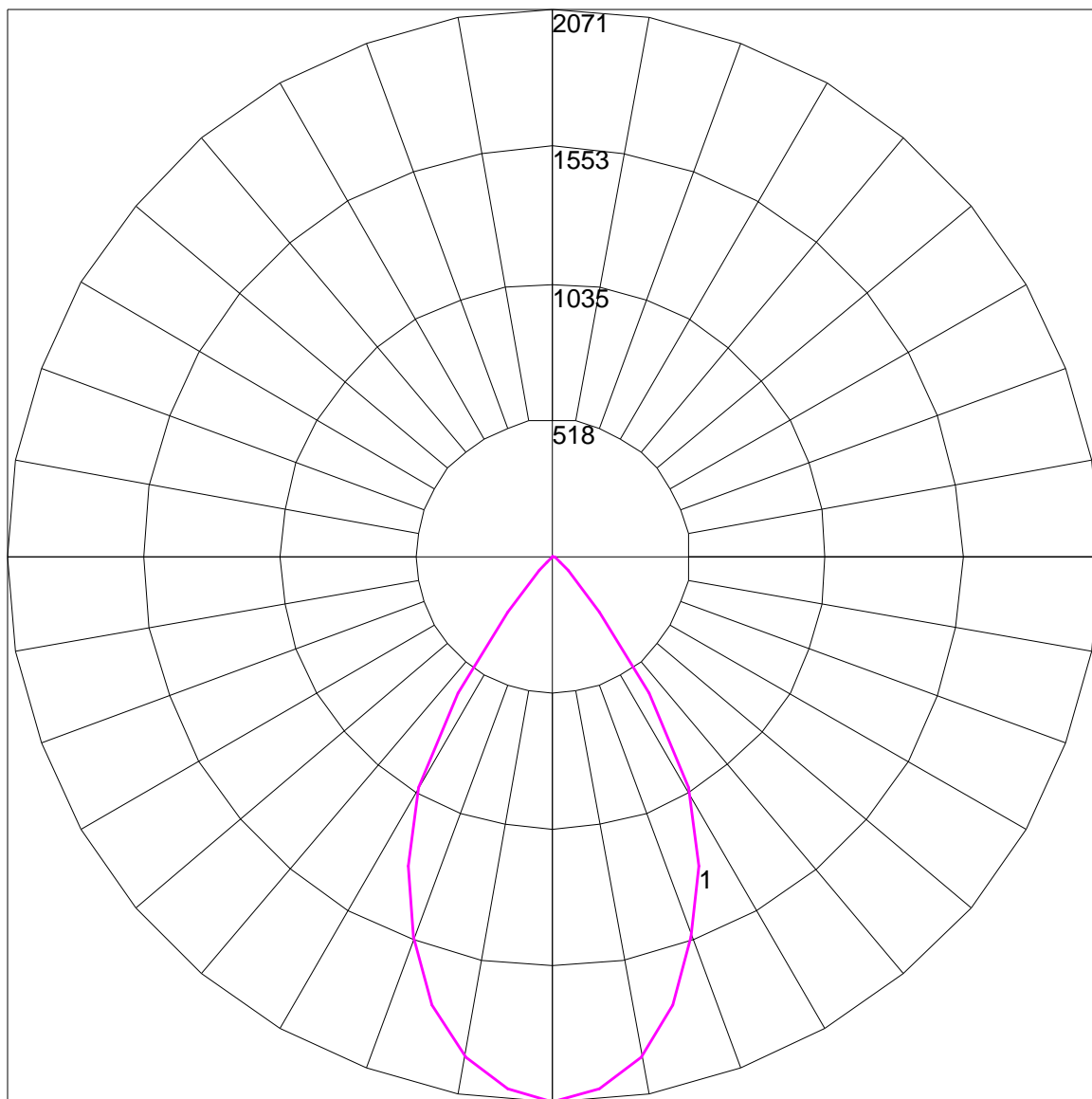
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	93	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	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71
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	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	52	51

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POLAR GRAPH



Maximum Candela = 2070.616 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)