

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00592_19 ~ C08XXXT-20LXXK-XWEX-TSG-SO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00592_19_M-20L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 6/29/2017
 [UPDATE] 3/27/2018
 [LUMCAT] C08xxXT-20L-xxK-XW-EX-TSG-SO
 [LUMINAIRE] Nom.8" Diam. LED Cylinder Downlight
 [OTHER] Data applicable to: 12"H and 18" H Cylinders
 [OTHER] Upper, Internal Reflector, Xtra Wide Beam
 [OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum
 [OTHER] Solite Lens, Regressed in Lower Trim
 [OTHER] 57.3 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	1602
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	21.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.88
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-00592_19 ~ C08XXXT-20LXXK-XWEX-TSG-SO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4140	4355	4133
55	660	691	701
65	66	60	63
75	100	151	142
85	289	353	324

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1865.003	1865.003	1865.003	1865.003	1865.003
5	1827.649	1830.876	1824.869	1825.633	1812.971
10	1734.383	1741.552	1730.691	1733.937	1708.609
15	1581.169	1594.102	1578.867	1580.923	1548.086
20	1381.810	1401.550	1386.851	1392.030	1354.450
25	1145.122	1179.808	1162.169	1178.361	1130.273
30	854.863	891.107	876.147	894.463	842.229
35	535.969	558.364	551.343	566.956	519.240
40	264.765	281.925	276.174	286.946	253.980
45	97.420	92.739	102.471	103.972	97.238
50	36.963	36.867	39.230	40.839	38.185
55	12.590	12.913	13.191	13.576	13.373
60	2.001	1.587	2.191	2.183	2.263
65	0.931	0.729	0.843	0.994	0.883
70	0.694	0.924	1.080	1.123	0.929
75	0.863	1.027	1.299	0.926	1.227
80	0.763	0.640	1.203	1.103	0.928
85	0.837	1.088	1.024	0.773	0.939
90	0.751	0.423	1.008	0.483	0.893

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Zone	Lumens	%Lamp	%Fixt
0-20	612.32	N.A.	38.20
0-30	1138.36	N.A.	71.10
0-40	1486.75	N.A.	92.80
0-60	1598.83	N.A.	99.80
0-80	1601.08	N.A.	99.90
0-90	1602.04	N.A.	100.00
10-90	1430.67	N.A.	89.30
20-40	874.43	N.A.	54.60
20-50	971.74	N.A.	60.70
40-70	113.26	N.A.	7.10
60-80	2.25	N.A.	0.10
70-80	1.08	N.A.	0.10
80-90	0.96	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	1602.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	171.38
10-20	440.94
20-30	526.05
30-40	348.38
40-50	97.31
50-60	14.77
60-70	1.17
70-80	1.08
80-90	0.96
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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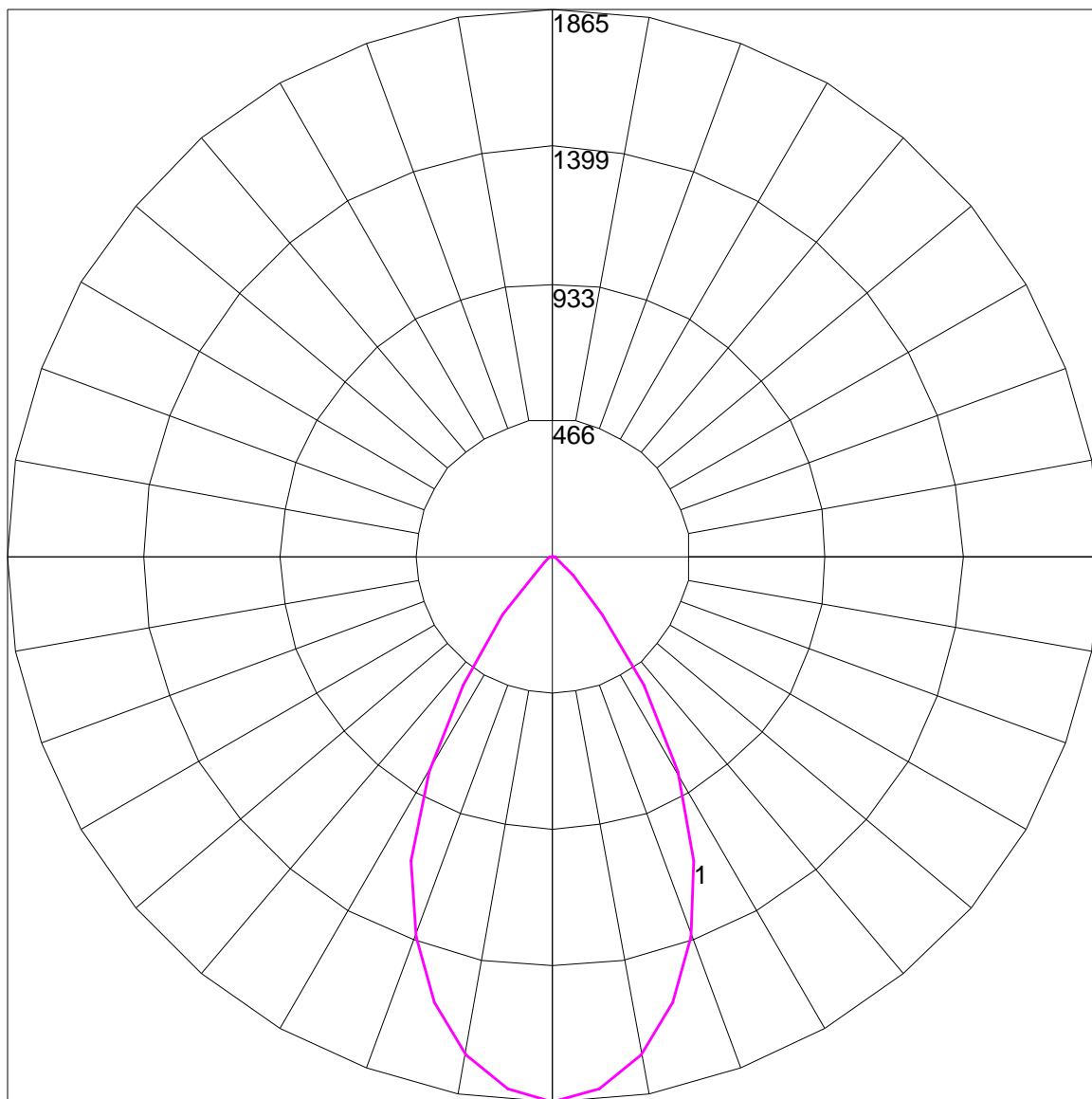
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66
7	83	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	59	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 = 1865.003 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)