

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00592\_7 ~ C08XXXT-20LXXK-NDEX-TSG-SO.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00592\_7\_M-20L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 6/29/2017  
 [UPDATE] 3/27/2018  
 [LUMCAT] C08xxXT-20L-xxK-ND-EX-TSG-SO  
 [LUMINAIRE] Nom.8" Diam. LED Cylinder Downlight  
 [OTHER] Data applicable to: 12"H and 18" H Cylinders  
 [OTHER] Upper, Internal Reflector, Narrow Beam  
 [OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum  
 [OTHER] Solite Lens, Regressed in Lower Trim  
 [OTHER] 23.1 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	1802
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	21.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.40
Spacing Criterion (90-270)	0.38
Spacing Criterion (Diagonal)	0.44
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\_7 ~ C08XXXT-20LXXK-NDEX-TSG-SO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1275	1471	1050
55	72	83	92
65	48	42	97
75	90	124	113
85	282	537	342

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00592\_7 ~ C08XXXT-20LXXK-NDEX-TSG-SO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	6248.713	6248.713	6248.713	6248.713	6248.713
<b>5</b>	5373.852	5538.404	5498.471	5507.193	5239.047
<b>10</b>	3592.239	3810.075	3750.866	3804.314	3472.951
<b>15</b>	2091.183	2240.709	2182.782	2231.294	2009.568
<b>20</b>	1249.569	1322.859	1280.195	1309.527	1197.952
<b>25</b>	841.899	884.069	857.332	875.139	812.505
<b>30</b>	591.802	625.281	608.036	623.162	577.008
<b>35</b>	366.673	395.270	381.387	394.991	355.943
<b>40</b>	152.269	171.817	163.090	174.976	144.530
<b>45</b>	30.008	36.472	34.612	36.743	24.703
<b>50</b>	2.768	3.442	4.044	4.476	3.127
<b>55</b>	1.371	1.665	1.591	1.755	1.761
<b>60</b>	1.053	0.894	1.073	0.655	1.137
<b>65</b>	0.677	0.779	0.590	1.203	1.369
<b>70</b>	0.861	0.894	0.910	1.362	0.470
<b>75</b>	0.778	0.578	1.067	1.107	0.973
<b>80</b>	1.141	1.095	0.759	1.157	0.789
<b>85</b>	0.819	0.984	1.557	1.607	0.993
<b>90</b>	0.623	0.269	1.397	0.335	1.161

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Zone	Lumens	%Lamp	%Fixt
0-20	1103.87	N.A.	61.30
0-30	1515.02	N.A.	84.10
0-40	1752.71	N.A.	97.30
0-60	1798.78	N.A.	99.80
0-80	1800.69	N.A.	99.90
0-90	1801.85	N.A.	100.00
10-90	1333.19	N.A.	74.00
20-40	648.84	N.A.	36.00
20-50	693.15	N.A.	38.50
40-70	46.99	N.A.	2.60
60-80	1.91	N.A.	0.10
70-80	1.00	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	1801.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	468.66
10-20	635.21
20-30	411.15
30-40	237.69
40-50	44.31
50-60	1.76
60-70	0.91
70-80	1.00
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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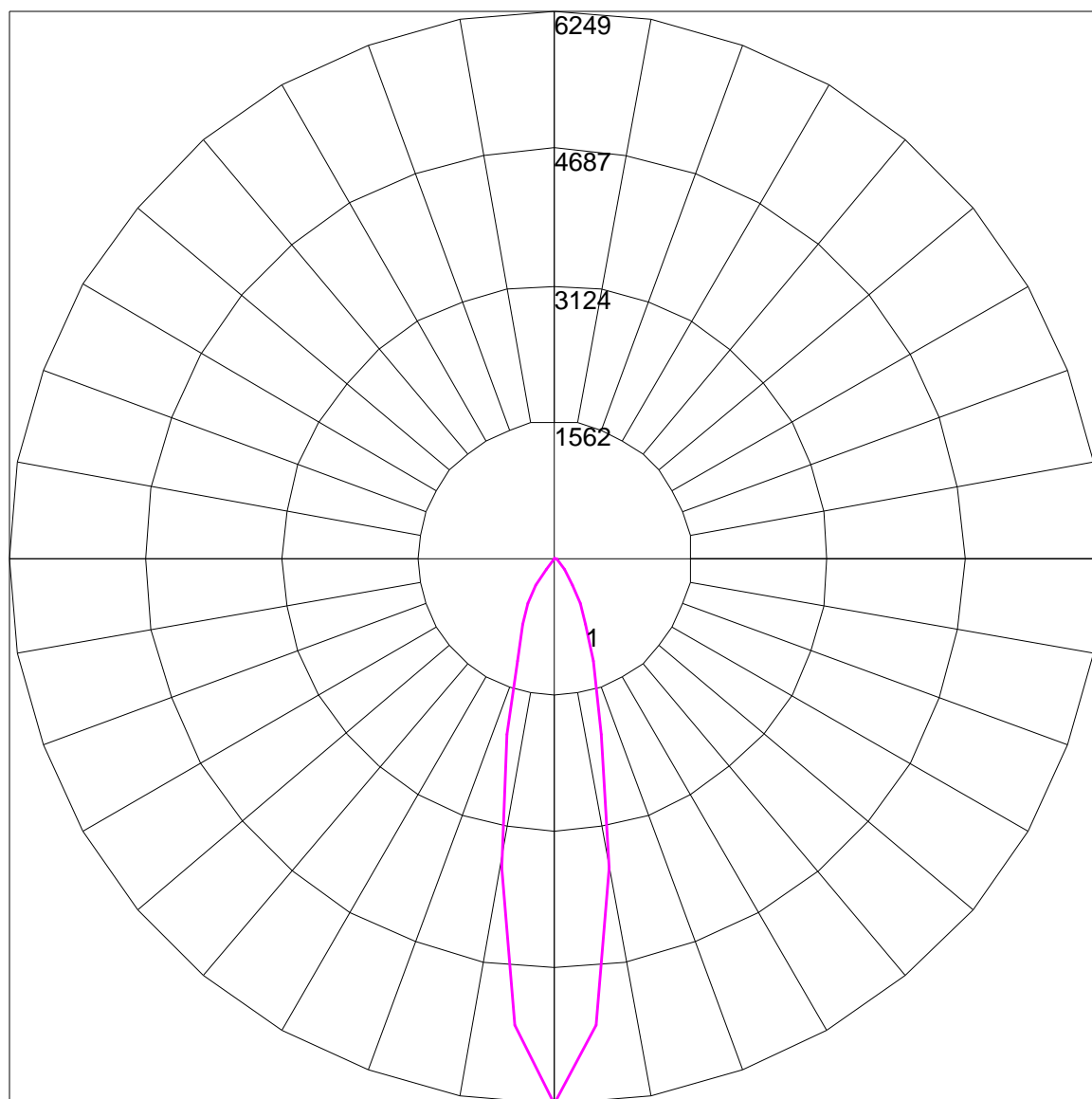
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	86
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	87	80	75	71	86	79	74	71	78	74	71	77	73	71	76	73	70	69
9	84	76	72	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67
10	82	74	69	66	81	73	69	66	73	68	66	72	68	65	71	68	65	64

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POLAR GRAPH



Maximum Candela = 6248.713 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)