

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00592\_17 ~ C08XXXT-30LXXK-XWEX-TSG-GL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00592.17  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUE DATE] 6/29/2017  
[UPDATE] 3/27/2018  
[LUMCAT] C08xxXT-30L-xxK-XW-EX-TSG-GL  
[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] 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

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2464
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	32.6
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

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00592\_17 ~ C08XXXT-30LXXK-XWEX-TSG-GL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5364	5410	5149
55	736	705	741
65	86	88	90
75	191	121	154
85	503	597	584

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00592\_17 ~ C08XXXT-30LXXK-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>
<b>0</b>	2800.416	2800.416	2800.416	2800.416	2800.416
<b>5</b>	2757.012	2760.893	2757.326	2757.518	2758.671
<b>10</b>	2635.318	2640.149	2638.133	2635.584	2631.839
<b>15</b>	2417.879	2427.002	2423.108	2422.145	2417.443
<b>20</b>	2112.355	2126.255	2121.512	2126.361	2119.875
<b>25</b>	1787.788	1799.933	1797.358	1804.562	1794.624
<b>30</b>	1401.589	1409.982	1411.197	1416.933	1413.165
<b>35</b>	891.211	906.426	895.440	916.385	909.897
<b>40</b>	382.275	399.530	380.598	404.107	397.777
<b>45</b>	126.203	129.347	127.305	129.101	121.158
<b>50</b>	48.662	48.313	48.993	51.168	49.160
<b>55</b>	14.041	14.449	13.459	14.538	14.141
<b>60</b>	2.993	3.001	2.177	2.299	2.207
<b>65</b>	1.214	1.528	1.239	1.406	1.269
<b>70</b>	1.471	1.686	1.270	1.200	1.206
<b>75</b>	1.641	1.166	1.038	1.494	1.329
<b>80</b>	1.272	1.960	1.022	1.954	1.634
<b>85</b>	1.458	1.365	1.731	1.768	1.693
<b>90</b>	1.399	1.979	1.420	1.561	1.341

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Zone	Lumens	%Lamp	%Fixt
0-20	934.15	N.A.	37.90
0-30	1751.56	N.A.	71.10
0-40	2309.22	N.A.	93.70
0-60	2459.03	N.A.	99.80
0-80	2462.13	N.A.	99.90
0-90	2463.88	N.A.	100.00
10-90	2204.42	N.A.	89.50
20-40	1375.07	N.A.	55.80
20-50	1507.23	N.A.	61.20
40-70	151.44	N.A.	6.10
60-80	3.10	N.A.	0.10
70-80	1.47	N.A.	0.10
80-90	1.75	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	2463.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	259.46
10-20	674.69
20-30	817.40
30-40	557.66
40-50	132.16
50-60	17.65
60-70	1.63
70-80	1.47
80-90	1.75
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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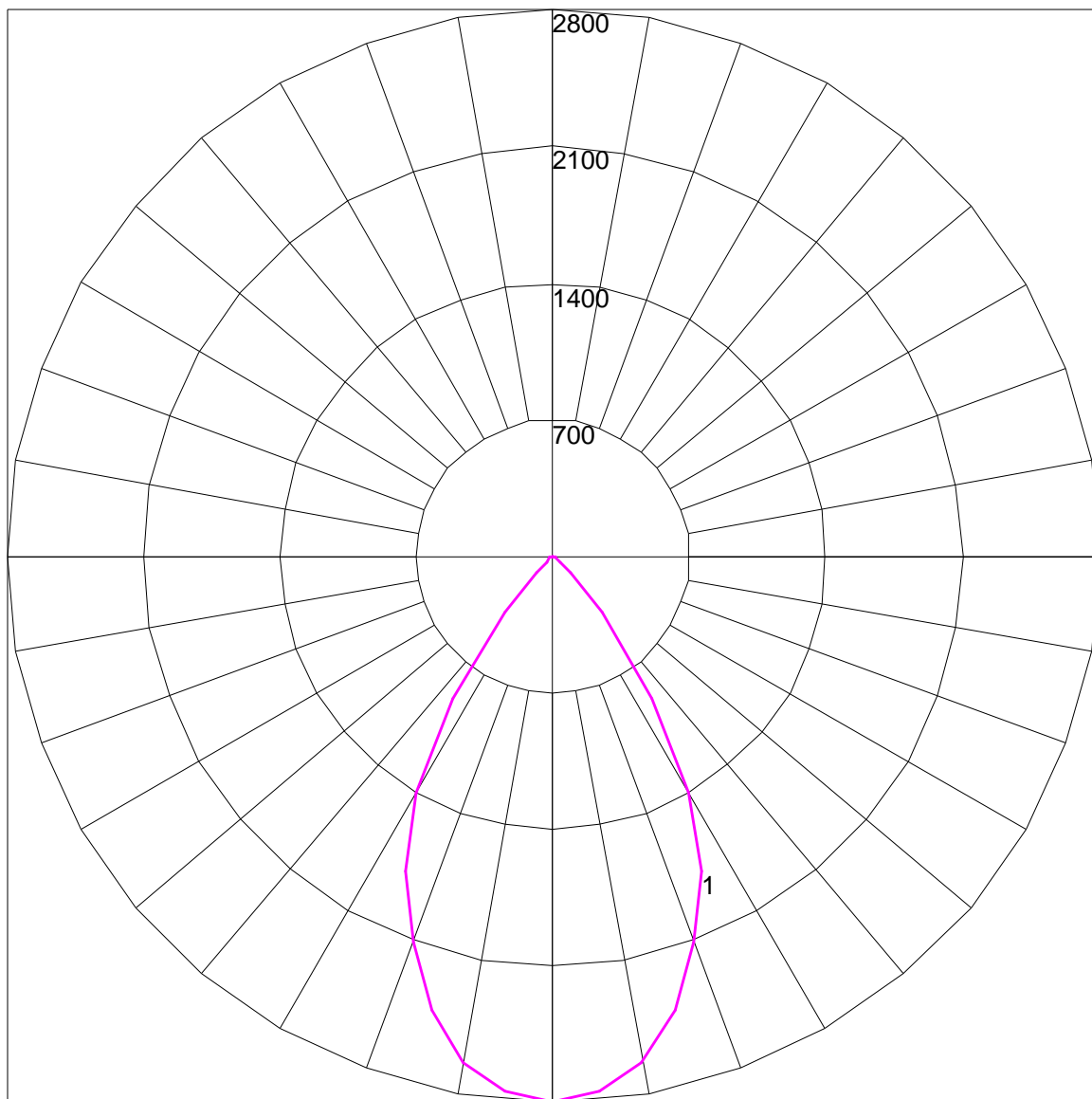
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	82	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	56	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 = 2800.416 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)