

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00592\_19 ~ C08XXXT-30LXXK-XWEX-TSG-SO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00592.19  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUEDATE] 6/29/2017  
[UPDATE] 3/27/2018  
[LUMCAT] C08xxXT-30L-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

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2403
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	32.6
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-30LXXK-XWEX-TSG-SO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6210	6532	6198
55	989	1037	1051
65	99	90	94
75	150	226	214
85	433	530	486

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00592\_19 ~ C08XXXT-30LXXK-XWEX-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>	2797.365	2797.365	2797.365	2797.365	2797.365
<b>5</b>	2741.336	2746.177	2737.167	2738.312	2719.321
<b>10</b>	2601.445	2612.197	2595.907	2600.775	2562.785
<b>15</b>	2371.635	2391.034	2368.182	2371.266	2322.013
<b>20</b>	2072.611	2102.220	2080.172	2087.940	2031.573
<b>25</b>	1717.597	1769.623	1743.167	1767.453	1695.325
<b>30</b>	1282.231	1336.593	1314.155	1341.628	1263.280
<b>35</b>	803.913	837.504	826.973	850.392	778.821
<b>40</b>	397.128	422.867	414.240	430.398	380.951
<b>45</b>	146.122	139.101	153.699	155.950	145.849
<b>50</b>	55.442	55.297	58.842	61.255	57.275
<b>55</b>	18.884	19.368	19.785	20.363	20.059
<b>60</b>	3.002	2.380	3.286	3.275	3.395
<b>65</b>	1.397	1.093	1.264	1.491	1.325
<b>70</b>	1.041	1.386	1.620	1.685	1.394
<b>75</b>	1.294	1.540	1.949	1.389	1.840
<b>80</b>	1.144	0.960	1.805	1.654	1.392
<b>85</b>	1.256	1.632	1.536	1.159	1.409
<b>90</b>	1.127	0.634	1.512	0.724	1.339

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Zone	Lumens	%Lamp	%Fixt
0-20	918.43	N.A.	38.20
0-30	1707.46	N.A.	71.10
0-40	2230.01	N.A.	92.80
0-60	2398.13	N.A.	99.80
0-80	2401.51	N.A.	99.90
0-90	2402.95	N.A.	100.00
10-90	2145.9	N.A.	89.30
20-40	1311.58	N.A.	54.60
20-50	1457.54	N.A.	60.70
40-70	169.88	N.A.	7.10
60-80	3.38	N.A.	0.10
70-80	1.62	N.A.	0.10
80-90	1.44	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	2402.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	257.05
10-20	661.38
20-30	789.03
30-40	522.55
40-50	145.96
50-60	22.16
60-70	1.76
70-80	1.62
80-90	1.44
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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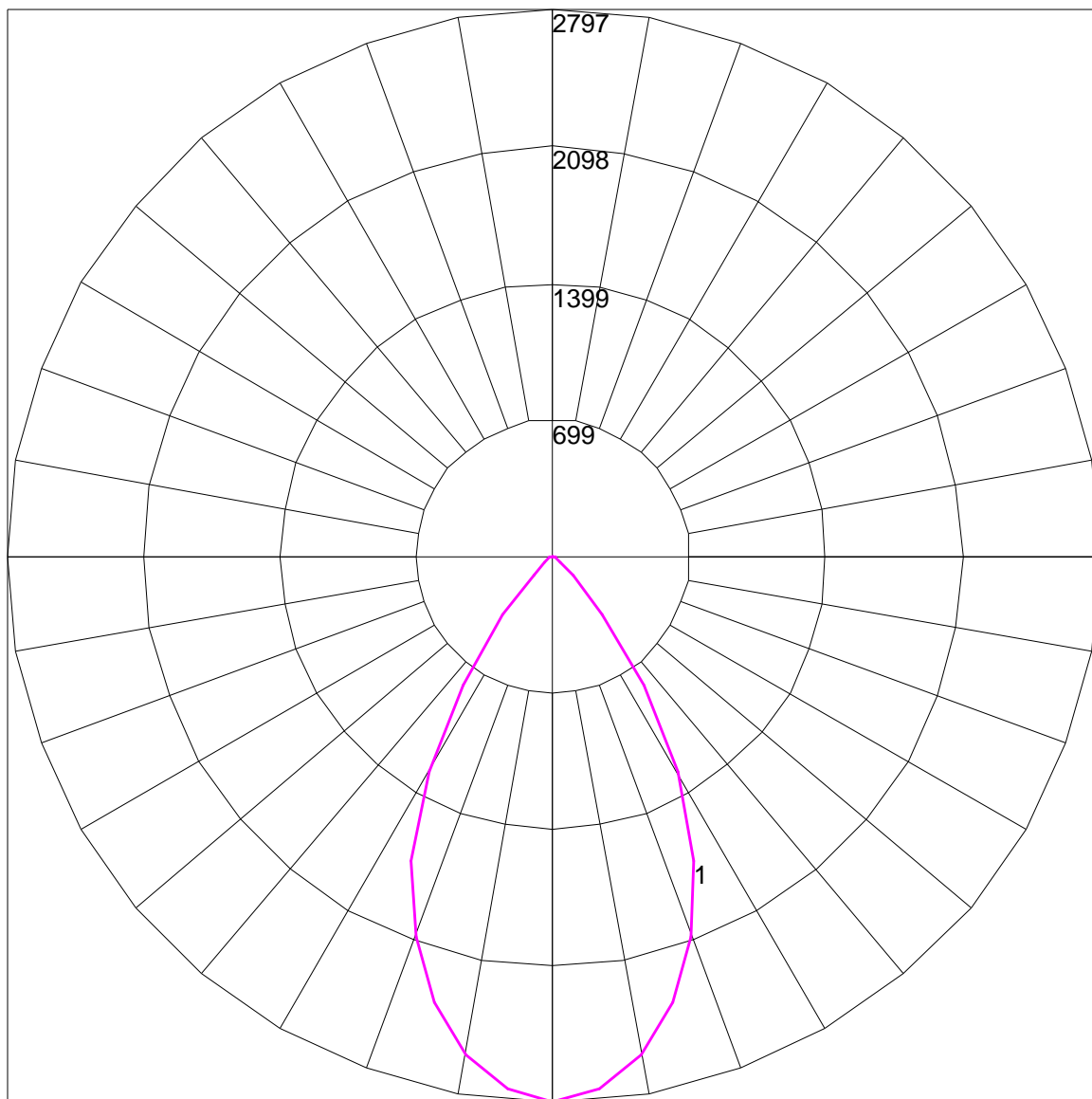
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	90	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 = 2797.365 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)