

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00592\_11 ~ C08XXXT-10LXXK-WDEX-TSG-SO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00592\_11\_M-10L  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUE DATE] 6/29/2017  
[UPDATE] 3/27/2018  
[LUMCAT] C08xxXT-10L-xxK-WD-EX-TSG-SO  
[LUMINAIRE] Nom.8" Diam. LED Cylinder Downlight  
[OTHER] Data applicable to: 12"H and 18" H Cylinders  
[OTHER] Upper, Internal Reflector, Wide Beam  
[OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum  
[OTHER] Solite Lens, Regressed in Lower Trim  
[OTHER] 45.6 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, scaled from 30L

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	766
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.72
Spacing Criterion (90-270)	0.70
Spacing Criterion (Diagonal)	0.76
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\_11 ~ C08XXXT-10LXXK-WDEX-TSG-SO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1398	1454	1237
55	155	168	156
65	39	33	33
75	47	48	52
85	166	207	198

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00592\_11 ~ C08XXXT-10LXXK-WDEX-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>	1184.715	1184.715	1184.715	1184.715	1184.715
<b>5</b>	1144.345	1149.973	1140.224	1141.547	1128.408
<b>10</b>	1033.450	1041.394	1028.782	1031.574	1008.491
<b>15</b>	864.576	876.541	861.995	866.452	835.624
<b>20</b>	683.277	692.578	680.645	682.829	655.398
<b>25</b>	520.215	529.404	519.267	521.353	497.622
<b>30</b>	371.400	380.687	369.349	374.054	351.138
<b>35</b>	227.278	234.164	225.697	226.105	207.930
<b>40</b>	107.077	113.050	106.406	107.355	93.975
<b>45</b>	32.905	30.570	34.207	28.349	29.109
<b>50</b>	10.216	9.516	9.608	9.310	9.530
<b>55</b>	2.961	2.487	3.215	2.806	2.980
<b>60</b>	0.725	0.575	0.770	0.676	0.650
<b>65</b>	0.554	0.428	0.470	0.382	0.465
<b>70</b>	0.522	0.354	0.466	0.465	0.361
<b>75</b>	0.408	0.414	0.410	0.494	0.447
<b>80</b>	0.522	0.308	0.478	0.340	0.405
<b>85</b>	0.480	0.610	0.600	0.748	0.574
<b>90</b>	0.453	0.161	0.386	0.189	0.403

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	345.26	N.A.	45.10
0-30	584.00	N.A.	76.20
0-40	727.45	N.A.	94.90
0-60	764.71	N.A.	99.80
0-80	765.66	N.A.	99.90
0-90	766.19	N.A.	100.00
10-90	660.65	N.A.	86.20
20-40	382.20	N.A.	49.90
20-50	415.93	N.A.	54.30
40-70	37.76	N.A.	4.90
60-80	0.95	N.A.	0.10
70-80	0.45	N.A.	0.10
80-90	0.53	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	766.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	105.54
10-20	239.72
20-30	238.74
30-40	143.46
40-50	33.73
50-60	3.53
60-70	0.50
70-80	0.45
80-90	0.53
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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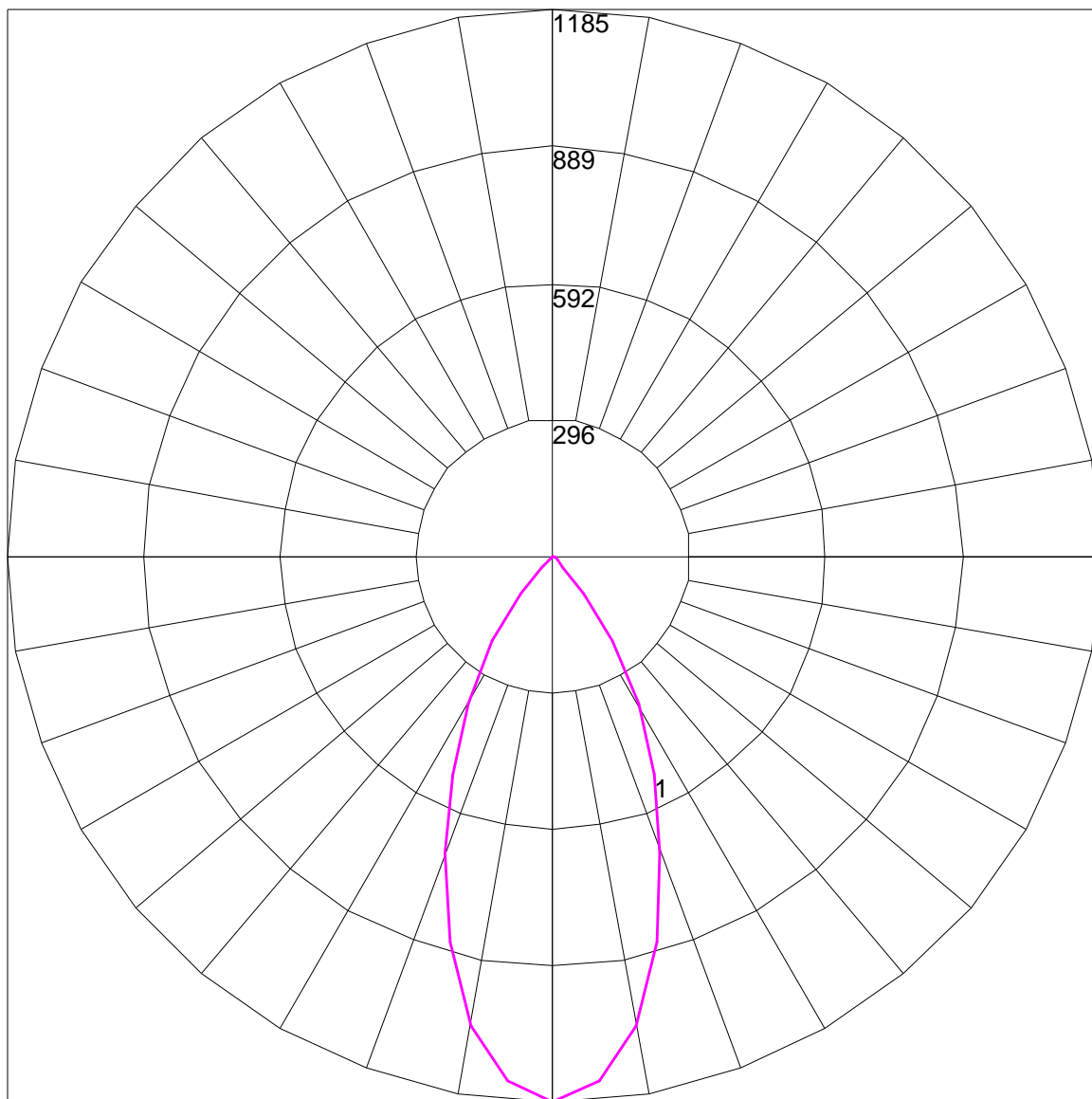
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	97	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83
4	99	92	86	82	97	90	86	82	88	84	81	86	83	80	85	82	79	78
5	94	86	81	77	92	85	80	76	84	79	76	82	78	75	80	77	74	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	69
7	86	77	71	67	84	76	71	67	75	70	67	74	70	66	73	69	66	65
8	82	73	67	63	81	72	67	63	71	66	63	70	66	63	69	65	62	61
9	78	69	64	60	77	69	63	60	68	63	59	67	62	59	66	62	59	58
10	75	66	60	57	74	65	60	56	64	60	56	64	59	56	63	59	56	55

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POLAR GRAPH



Maximum Candela = 1184.715 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)