

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00592\_4 ~ C08XXXT-10LXXK-NDEX-TSG-FG.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00592\_4\_M-10L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUE DATE] 6/29/2017  
 [UPDATE] 3/26/2018  
 [LUMCAT] C08xxXT-10L-xxK-ND-EX-TSG-FG  
 [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] Frosted Glass Lens, Regressed in Lower Trim  
 [OTHER] 38.8 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	776
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.58
Spacing Criterion (Diagonal)	0.68
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\_4 ~ C08XXXT-10LXXK-NDEX-TSG-FG.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2795	2908	2569
55	413	417	353
65	35	42	43
75	67	65	46
85	202	174	163

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00592\_4 ~ C08XXXT-10LXXK-NDEX-TSG-FG.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>	1341.914	1341.914	1341.914	1341.914	1341.914
<b>5</b>	1252.855	1276.023	1275.494	1278.124	1246.801
<b>10</b>	1041.946	1075.641	1075.110	1085.253	1041.580
<b>15</b>	802.471	835.684	832.541	846.881	802.675
<b>20</b>	596.771	625.739	621.574	635.109	598.268
<b>25</b>	438.644	460.804	460.391	469.737	442.237
<b>30</b>	316.628	334.983	336.370	343.507	321.293
<b>35</b>	220.083	235.156	235.995	242.164	223.427
<b>40</b>	137.074	149.847	146.016	151.985	134.602
<b>45</b>	65.775	69.886	68.422	69.721	60.444
<b>50</b>	23.811	24.678	24.340	24.720	21.219
<b>55</b>	7.877	8.155	7.958	8.068	6.729
<b>60</b>	1.933	2.158	2.016	1.874	1.654
<b>65</b>	0.488	0.677	0.593	0.647	0.604
<b>70</b>	0.427	0.476	0.491	0.513	0.524
<b>75</b>	0.575	0.364	0.563	0.423	0.399
<b>80</b>	0.508	0.393	0.432	0.496	0.403
<b>85</b>	0.585	0.337	0.504	0.585	0.472
<b>90</b>	0.473	0.309	0.444	0.574	0.346

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Zone	Lumens	%Lamp	%Fixt
0-20	347.00	N.A.	44.70
0-30	560.18	N.A.	72.20
0-40	707.06	N.A.	91.10
0-60	774.40	N.A.	99.80
0-80	775.80	N.A.	99.90
0-90	776.30	N.A.	100.00
10-90	661.40	N.A.	85.20
20-40	360.06	N.A.	46.40
20-50	418.19	N.A.	53.90
40-70	68.25	N.A.	8.80
60-80	1.40	N.A.	0.20
70-80	0.49	N.A.	0.10
80-90	0.51	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	776.30	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	114.91
10-20	232.09
20-30	213.18
30-40	146.88
40-50	58.13
50-60	9.22
60-70	0.91
70-80	0.49
80-90	0.51
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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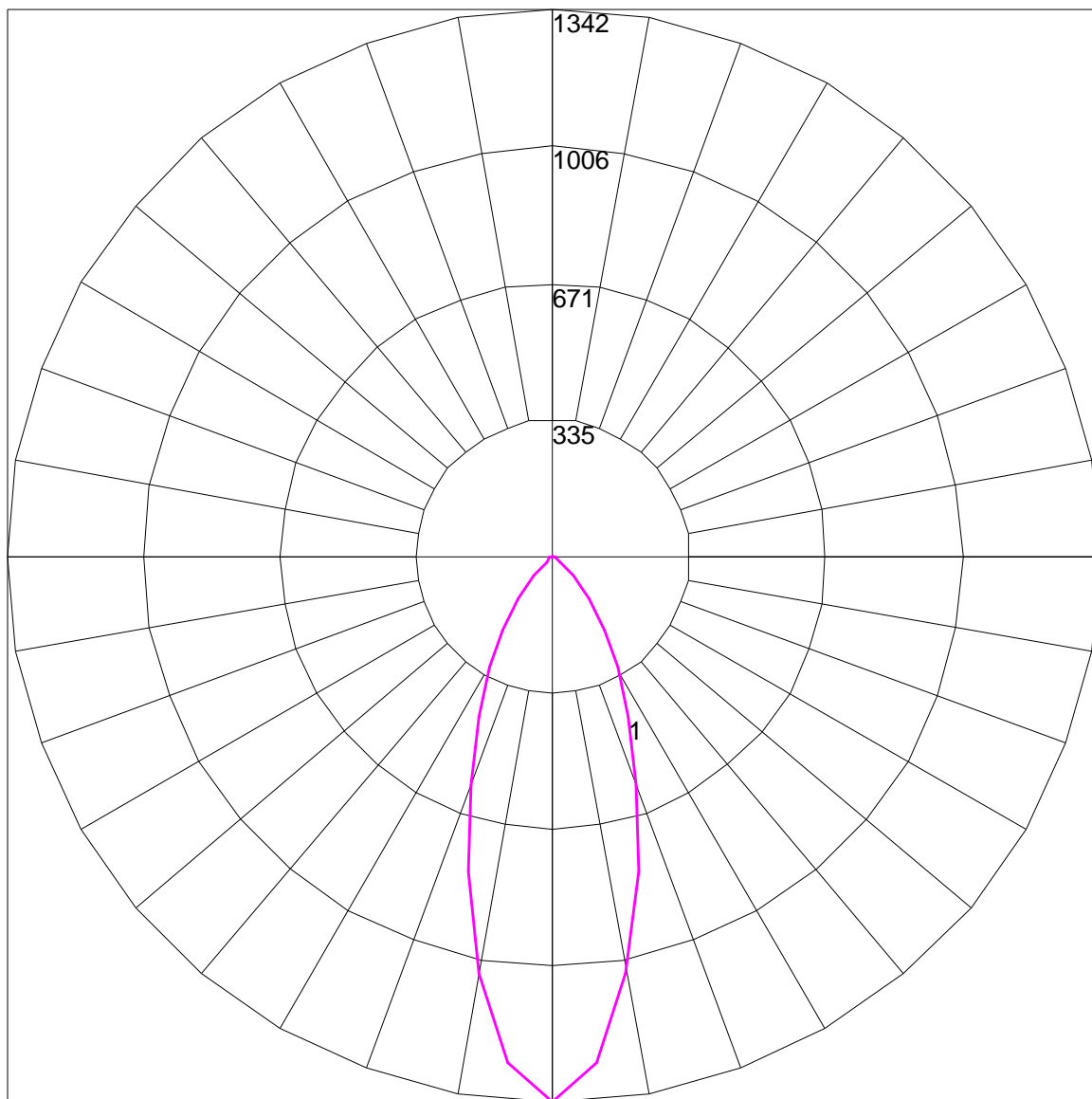
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	87	85	88	86	84	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69	67
7	85	76	70	66	84	75	70	66	74	69	66	73	68	65	72	68	65	64
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	59	76	68	62	59	67	62	58	66	61	58	65	61	58	57
10	74	65	59	55	73	64	59	55	64	59	55	63	58	55	62	58	55	54

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POLAR GRAPH



Maximum Candela = 1341.914 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)