

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00592\_6 ~ C08XXXT-30LXXK-NDEX-TSG-NL.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00592.6  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUE DATE] 6/29/2017  
 [UPDATE] 3/27/2018  
 [LUMCAT] C08xxXT-30L-xxK-ND-EX-TSG-NL  
 [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] No Lens  
 [OTHER] 21.4 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	2939
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.36
Spacing Criterion (90-270)	0.36
Spacing Criterion (Diagonal)	0.40
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\_6 ~ C08XXXT-30LXXK-NDEX-TSG-NL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	684	994	215
55	90	91	93
65	96	121	141
75	169	195	182
85	702	394	564

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	11446.670	11446.670	11446.670	11446.670	11446.670
<b>5</b>	9767.133	10127.950	10040.460	10123.490	9579.915
<b>10</b>	6095.726	6578.985	6497.992	6669.546	5981.879
<b>15</b>	3206.109	3505.863	3457.181	3580.673	3146.767
<b>20</b>	1821.133	1949.762	1907.575	1972.004	1782.769
<b>25</b>	1251.509	1307.190	1275.950	1304.185	1218.451
<b>30</b>	959.356	998.344	979.045	997.886	926.336
<b>35</b>	638.077	672.508	661.447	678.296	594.379
<b>40</b>	221.928	249.830	235.669	243.435	194.344
<b>45</b>	16.095	30.355	23.393	28.983	5.060
<b>50</b>	2.560	2.074	2.138	1.522	1.960
<b>55</b>	1.716	1.640	1.730	1.151	1.779
<b>60</b>	1.142	1.662	1.451	1.517	1.890
<b>65</b>	1.350	1.501	1.704	2.198	1.985
<b>70</b>	1.780	1.115	1.460	1.109	0.984
<b>75</b>	1.453	1.733	1.676	1.486	1.568
<b>80</b>	1.680	1.566	2.132	1.201	1.368
<b>85</b>	2.036	1.855	1.144	1.086	1.637
<b>90</b>	1.584	0.788	1.610	0.688	1.399

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Zone	Lumens	%Lamp	%Fixt
0-20	1870.09	N.A.	63.60
0-30	2490.51	N.A.	84.70
0-40	2880.24	N.A.	98.00
0-60	2934.55	N.A.	99.80
0-80	2937.72	N.A.	99.90
0-90	2939.28	N.A.	100.00
10-90	2094.97	N.A.	71.30
20-40	1010.15	N.A.	34.40
20-50	1062.96	N.A.	36.20
40-70	55.88	N.A.	1.90
60-80	3.18	N.A.	0.10
70-80	1.61	N.A.	0.10
80-90	1.56	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	2939.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	844.31
10-20	1025.77
20-30	620.42
30-40	389.73
40-50	52.81
50-60	1.49
60-70	1.57
70-80	1.61
80-90	1.56
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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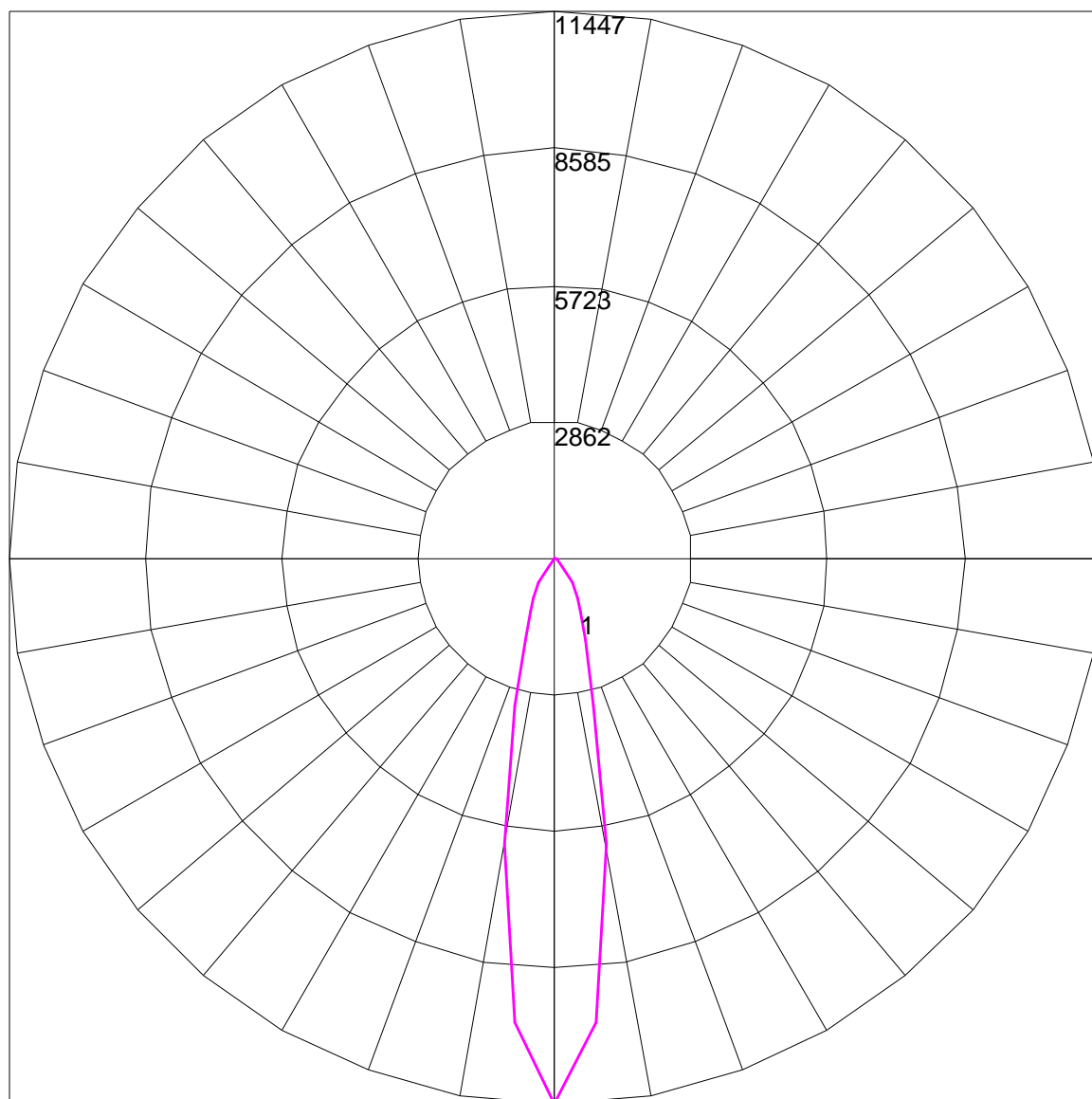
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91	95	92	90	92	90	89	87
4	102	96	91	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83
5	98	92	87	83	97	91	86	83	89	85	82	87	84	82	86	83	81	80
6	95	88	83	79	93	87	82	79	86	82	79	84	81	78	83	80	78	77
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	73
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72	71
9	85	78	73	70	84	77	73	70	77	72	70	76	72	69	75	72	69	68
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	66

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POLAR GRAPH



Maximum Candela = 11446.67 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)