

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00592_6 ~ C08XXXT-20LXXK-NDEX-TSG-NL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00592_6_M-20L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 6/29/2017
 [UPDATE] 3/27/2018
 [LUMCAT] C08xxXT-20L-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, scaled from 30L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1960
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	21.7
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	456	663	143
55	60	60	62
65	64	81	94
75	113	130	121
85	468	263	376

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	7631.495	7631.495	7631.495	7631.495	7631.495
5	6511.748	6752.304	6693.975	6749.331	6386.929
10	4064.021	4386.209	4332.211	4446.586	3988.119
15	2137.513	2337.359	2304.903	2387.235	2097.950
20	1214.149	1299.906	1271.780	1314.735	1188.572
25	834.381	871.504	850.676	869.500	812.341
30	639.603	665.596	652.729	665.291	617.588
35	425.406	448.361	440.987	452.220	396.272
40	147.959	166.562	157.121	162.298	129.569
45	10.731	20.238	15.596	19.323	3.374
50	1.707	1.383	1.425	1.015	1.307
55	1.144	1.093	1.153	0.767	1.186
60	0.761	1.108	0.967	1.011	1.260
65	0.900	1.001	1.136	1.465	1.323
70	1.187	0.743	0.973	0.739	0.656
75	0.969	1.155	1.117	0.991	1.045
80	1.120	1.044	1.421	0.801	0.912
85	1.357	1.237	0.763	0.724	1.091
90	1.056	0.525	1.073	0.459	0.933

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Zone	Lumens	%Lamp	%Fixt
0-20	1246.79	N.A.	63.60
0-30	1660.42	N.A.	84.70
0-40	1920.26	N.A.	98.00
0-60	1956.46	N.A.	99.80
0-80	1958.58	N.A.	99.90
0-90	1959.62	N.A.	100.00
10-90	1396.72	N.A.	71.30
20-40	673.47	N.A.	34.40
20-50	708.68	N.A.	36.20
40-70	37.25	N.A.	1.90
60-80	2.12	N.A.	0.10
70-80	1.07	N.A.	0.10
80-90	1.04	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	1959.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	562.90
10-20	683.88
20-30	413.64
30-40	259.83
40-50	35.21
50-60	0.99
60-70	1.05
70-80	1.07
80-90	1.04
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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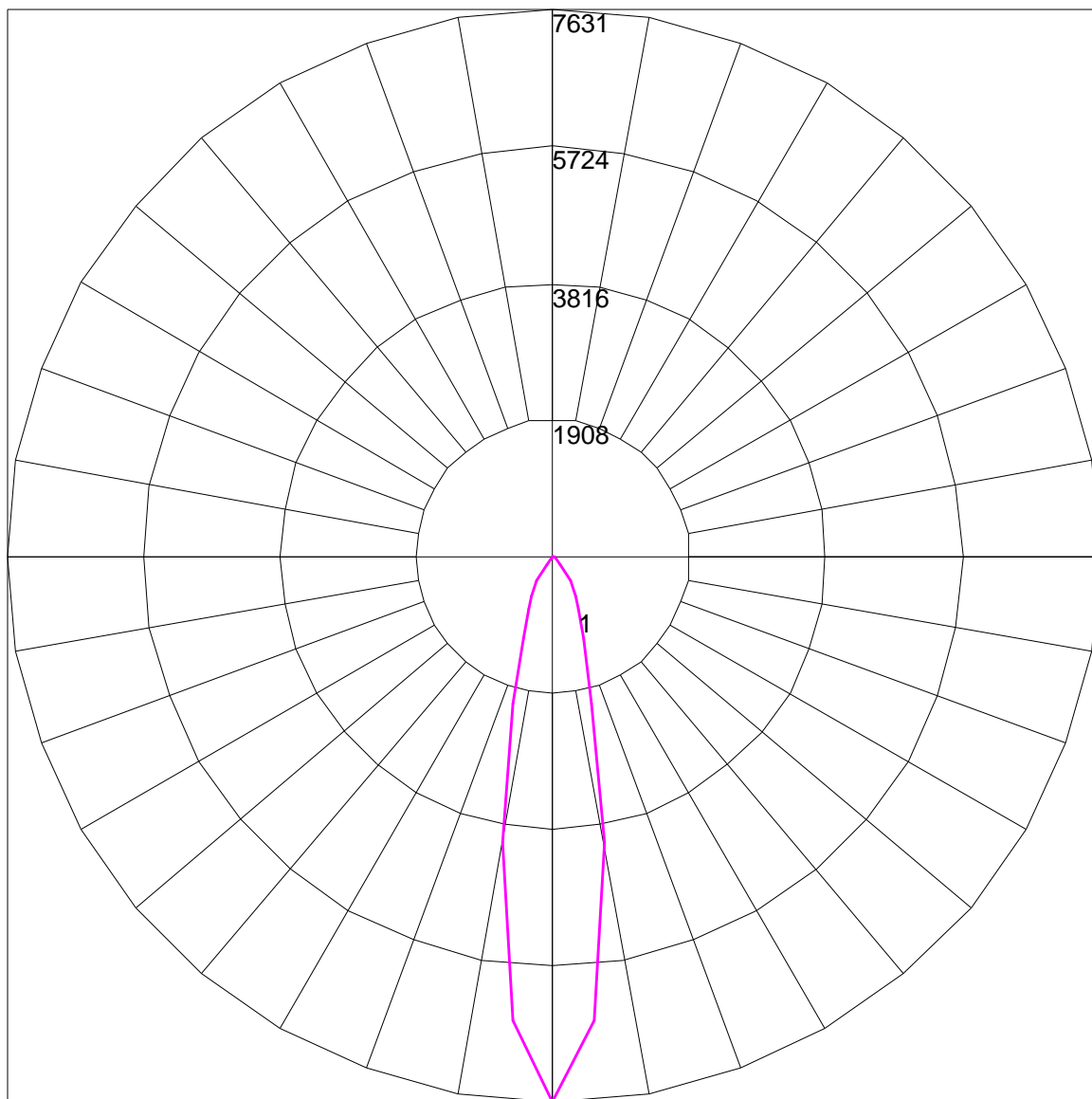
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	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	76
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	77	74	72	71
9	85	78	73	70	84	77	73	70	76	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 = 7631.495 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)