

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00548_8 ~ SR4MX-XT40LE1-RDD4X-XXK-MDMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00548.8
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 3/13/2017
 [UPDATE] 4/18/2017
 [LUMCAT] SR4MRx-XT40L-E1-RDD4x-xxK-MD-MW-SO
 [LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Medium Beam
 [OTHER] Matte White Trim, Solite lens
 [OTHER] 29.5 Degree Beam Angle
 [LAMP] N/A
 [LAMPCAT] N/A, Min. 83 CRI
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] For New Construction Non-IC Housing: SR4MO-XT-series
 [OTHER] For Remodel/Retrofit Housing: SR4MR-XT-Series
 [OTHER] For RDD4F or RDD4N Downlight Trim
 [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	2676
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.52
Spacing Criterion (90-270)	0.52
Spacing Criterion (Diagonal)	0.56
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.36 ft (Diameter)
Luminous Width (90-270)	0.36 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10744	10178	10569
55	5676	5954	6053
65	4108	4200	4063
75	2265	2447	2254
85	2990	2016	1911

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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	6488.395	6488.395	6488.395	6488.395	6488.395
5	6026.219	6104.237	6103.016	6177.227	6146.537
10	4752.830	4870.922	4857.147	4970.895	4915.919
15	3301.929	3403.343	3371.039	3492.288	3440.217
20	2161.410	2222.041	2201.567	2288.463	2258.453
25	1448.309	1483.747	1474.157	1525.524	1512.001
30	963.488	993.014	988.035	1026.741	1010.732
35	495.613	530.896	524.438	555.245	534.913
40	168.260	179.733	179.304	190.207	178.825
45	73.115	70.121	69.263	74.559	71.920
50	43.802	43.573	42.476	46.413	45.649
55	31.333	32.161	32.864	32.289	33.411
60	23.577	22.623	24.891	25.651	24.297
65	16.707	16.691	17.082	16.825	16.523
70	9.854	10.317	10.439	12.610	11.787
75	5.642	5.676	6.094	6.139	5.615
80	2.480	2.705	3.187	2.998	2.436
85	2.508	2.133	1.691	2.397	1.603
90	1.246	0.461	1.581	0.598	1.750

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Zone	Lumens	%Lamp	%Fixt
0-20	1500.98	N.A.	56.10
0-30	2206.35	N.A.	82.40
0-40	2550.49	N.A.	95.30
0-60	2650.42	N.A.	99.00
0-80	2674.22	N.A.	99.90
0-90	2676.4	N.A.	100.00
10-90	2132.16	N.A.	79.70
20-40	1049.52	N.A.	39.20
20-50	1119.66	N.A.	41.80
40-70	116.96	N.A.	4.40
60-80	23.80	N.A.	0.90
70-80	6.76	N.A.	0.30
80-90	2.18	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	2676.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	544.24
10-20	956.73
20-30	705.37
30-40	344.15
40-50	70.14
50-60	29.79
60-70	17.04
70-80	6.76
80-90	2.18
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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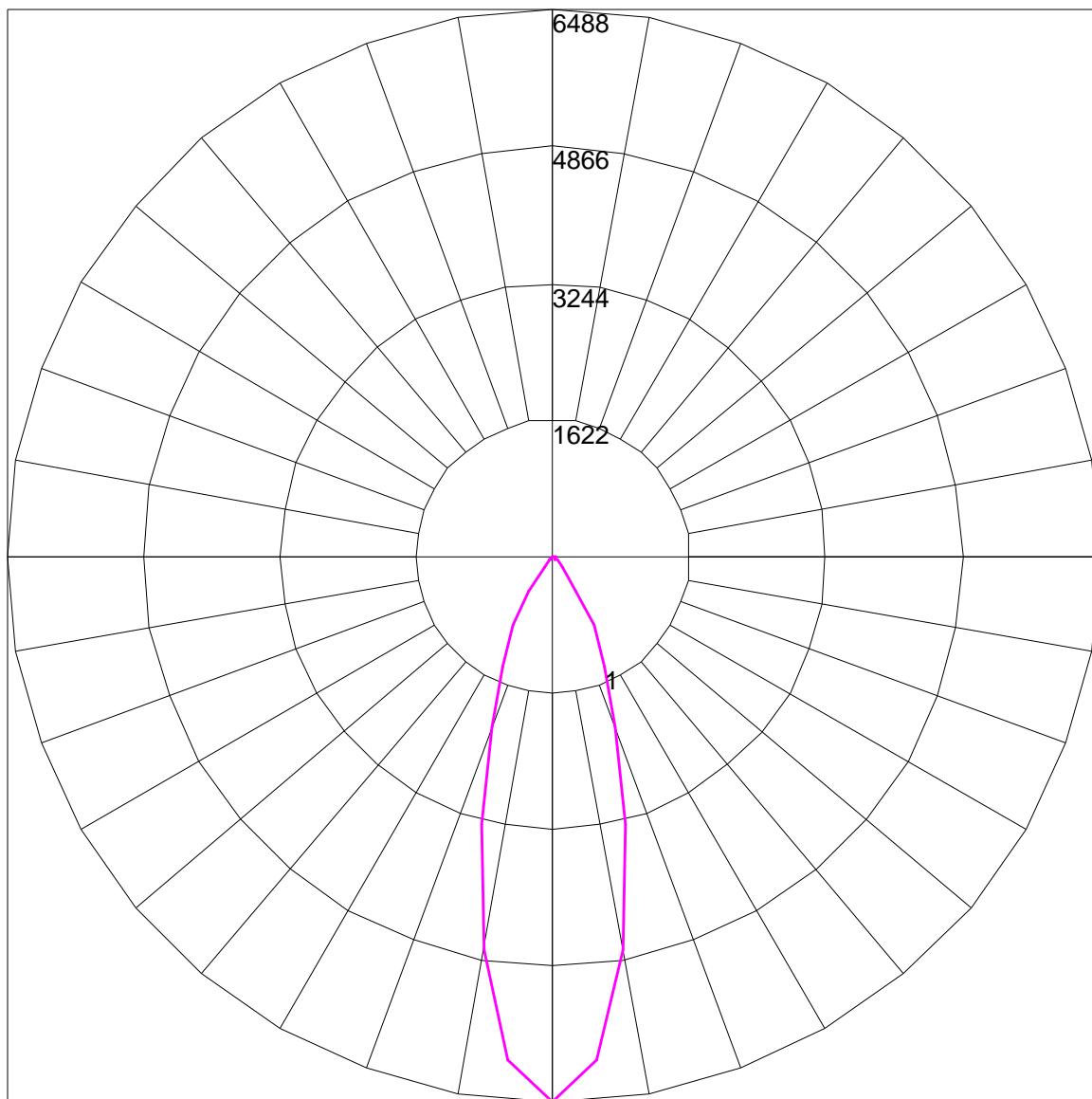
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	85
4	100	94	89	85	98	92	88	84	90	86	83	88	85	82	87	84	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72
7	88	80	75	72	87	80	75	71	79	74	71	77	74	71	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63
10	79	70	65	62	78	70	65	62	69	65	62	69	65	62	68	64	62	60

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POLAR GRAPH



Maximum Candela = 6488.395 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)