

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00548_9 ~ SR4MX-XT30LE1-RDD4X-XXK-WDMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00548.9_M-30L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 3/13/2017
 [UPDATE] 4/18/2017
 [LUMCAT] SR4MRx-XT30L-E1-RDD4x-xxK-WD-MW-NL
 [LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Wide Beam
 [OTHER] Matte White Trim, No lens
 [OTHER] 39.4 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, scaled from 40L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2311
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	0.68
Spacing Criterion (Diagonal)	0.68
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	755	739	611
55	686	853	734
65	877	846	652
75	833	562	1032
85	1415	1698	1302

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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	4309.742	4309.742	4309.742	4309.742	4309.742
5	4206.695	4233.591	4216.712	4233.316	4202.618
10	3784.253	3827.617	3806.306	3833.772	3795.056
15	3099.763	3144.483	3112.067	3164.274	3124.855
20	2233.109	2274.686	2233.204	2292.637	2243.774
25	1468.340	1501.255	1474.873	1509.660	1476.208
30	992.928	1018.125	1002.505	1025.516	1005.685
35	547.499	572.875	551.236	572.010	533.250
40	38.036	58.530	42.307	61.957	37.173
45	5.139	4.896	5.030	5.322	4.155
50	4.021	4.080	4.201	3.975	4.536
55	3.788	3.910	4.710	4.346	4.054
60	4.106	3.837	3.191	2.749	3.238
65	3.568	2.917	3.441	2.808	2.653
70	2.243	2.390	2.646	2.787	2.574
75	2.075	1.550	1.399	2.126	2.571
80	1.693	1.191	1.716	1.971	1.452
85	1.187	1.506	1.424	1.827	1.092
90	1.019	0.697	0.981	0.965	1.251

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Zone	Lumens	%Lamp	%Fixt
0-20	1246.07	N.A.	53.90
0-30	1955.79	N.A.	84.60
0-40	2288.7	N.A.	99.00
0-60	2304.31	N.A.	99.70
0-80	2309.37	N.A.	99.90
0-90	2310.87	N.A.	100.00
10-90	1921.39	N.A.	83.10
20-40	1042.63	N.A.	45.10
20-50	1054.66	N.A.	45.60
40-70	18.60	N.A.	0.80
60-80	5.07	N.A.	0.20
70-80	2.08	N.A.	0.10
80-90	1.50	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	2310.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	389.48
10-20	856.59
20-30	709.72
30-40	332.91
40-50	12.04
50-60	3.57
60-70	2.99
70-80	2.08
80-90	1.50
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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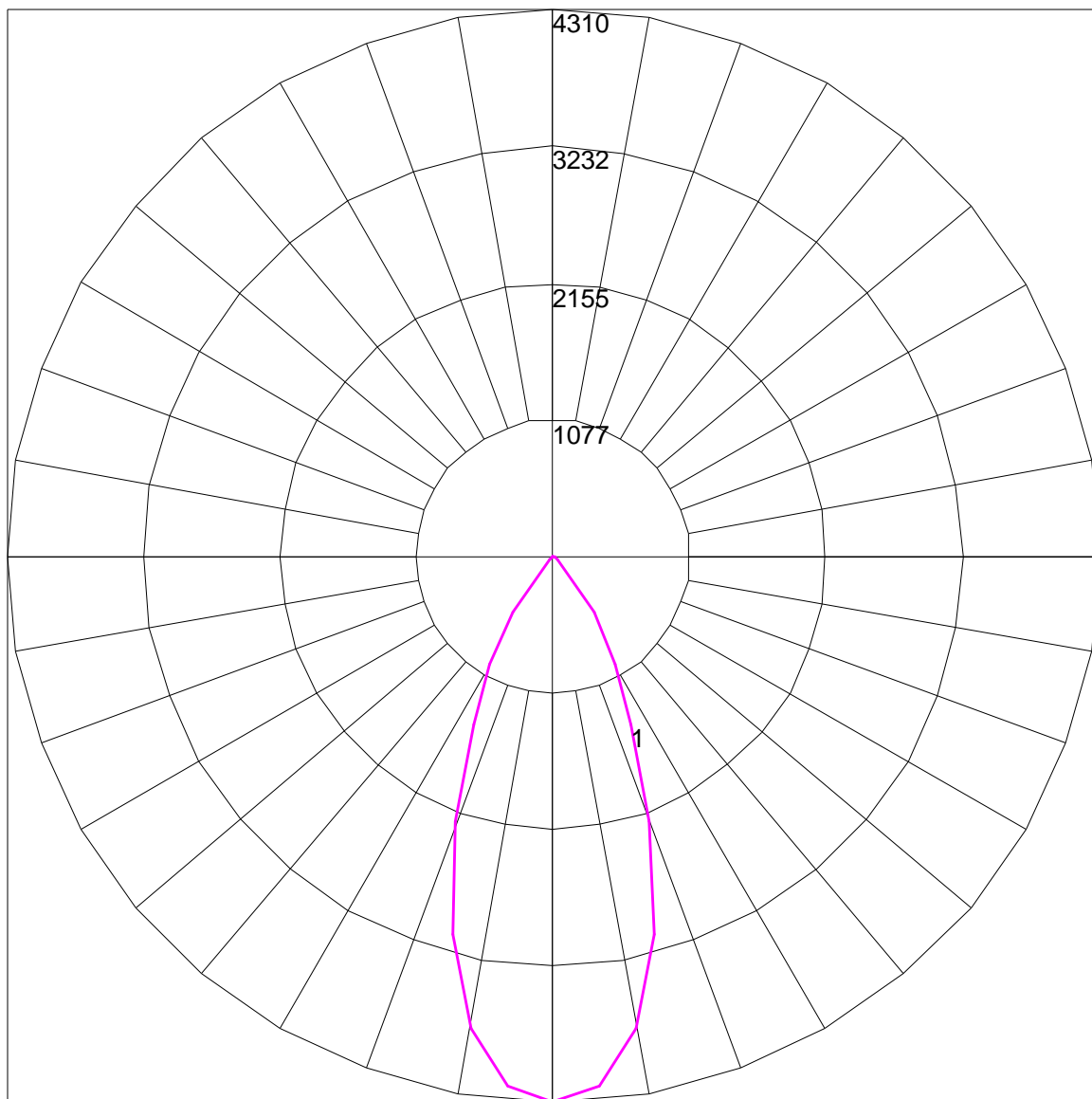
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	108	106	105	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	81
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	84	79	76	91	84	79	75	82	78	75	81	77	74	80	76	74	73
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	69
8	85	77	71	68	84	76	71	68	75	71	67	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	64	72	67	64	71	67	64	70	67	64	63
10	78	70	65	62	78	70	65	61	69	64	61	68	64	61	67	64	61	60

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POLAR GRAPH



Maximum Candela = 4309.742 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)