

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_40 ~ SR3DMX-XT30LE1-RDD3X-XXK-NDMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_40_M-30L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 2/15/2017
 [UPDATE] 4/26/2017
 [LUMCAT] SR3DMx-XT30L-E1-RDD3x-xxK-ND-MW-SO
 [LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Narrow Beam
 [OTHER] Matte White Trim, Solite Lens
 [OTHER] 22.8 Degree Beam Angle
 [LAMP] N/A, 19mm
 [LAMPCAT] N/A, Min. 83 CRI
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] For New Construction Non-IC Housing: SR3DMO-XT-series
 [OTHER] For Remodel/Retrofit Housing: SR3DMR-XT-Series
 [OTHER] For RDD3F or RDD3N Downlight Trim
 [OTHER] LEDXT lumen output is the same for all available CCT's
 [OTHER] This report prepared by Spectrum Lighting, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2695
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.44
Spacing Criterion (90-270)	0.44
Spacing Criterion (Diagonal)	0.48
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.29 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	15705	15397	14991
55	11566	12082	11088
65	8224	9928	10371
75	5572	3779	4134
85	6513	5677	5174

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_40 ~ SR3DMX-XT30LE1-RDD3X-XXK-NDMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	8576.363	8576.362	8576.362	8576.362	8576.362
5	7844.106	7825.283	7816.003	7794.497	7768.376
10	5413.299	5465.426	5516.284	5502.750	5441.623
15	3254.142	3321.515	3372.675	3410.829	3386.177
20	2142.852	2174.628	2212.130	2245.485	2246.535
25	1442.907	1464.583	1484.543	1499.209	1504.310
30	808.004	829.396	844.848	860.203	861.396
35	263.607	280.509	295.820	299.364	296.316
40	94.204	102.066	100.273	101.516	104.897
45	69.154	69.474	67.799	69.981	66.009
50	53.046	53.085	54.139	53.691	51.615
55	41.310	43.855	43.154	41.513	39.603
60	26.541	33.444	30.369	31.830	34.065
65	21.642	23.844	26.127	22.306	27.293
70	14.277	14.352	16.692	12.803	14.273
75	8.980	5.616	6.091	7.101	6.663
80	4.845	5.875	4.760	3.420	3.828
85	3.535	3.172	3.081	2.349	2.808
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1653.79	N.A.	61.40
0-30	2334.46	N.A.	86.60
0-40	2566.06	N.A.	95.20
0-60	2659.93	N.A.	98.70
0-80	2691.82	N.A.	99.90
0-90	2694.68	N.A.	100.00
10-90	2023.4	N.A.	75.10
20-40	912.28	N.A.	33.90
20-50	968.33	N.A.	35.90
40-70	117.21	N.A.	4.30
60-80	31.89	N.A.	1.20
70-80	8.55	N.A.	0.30
80-90	2.86	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	2694.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	671.27
10-20	982.52
20-30	680.67
30-40	231.61
40-50	56.05
50-60	37.82
60-70	23.34
70-80	8.55
80-90	2.86
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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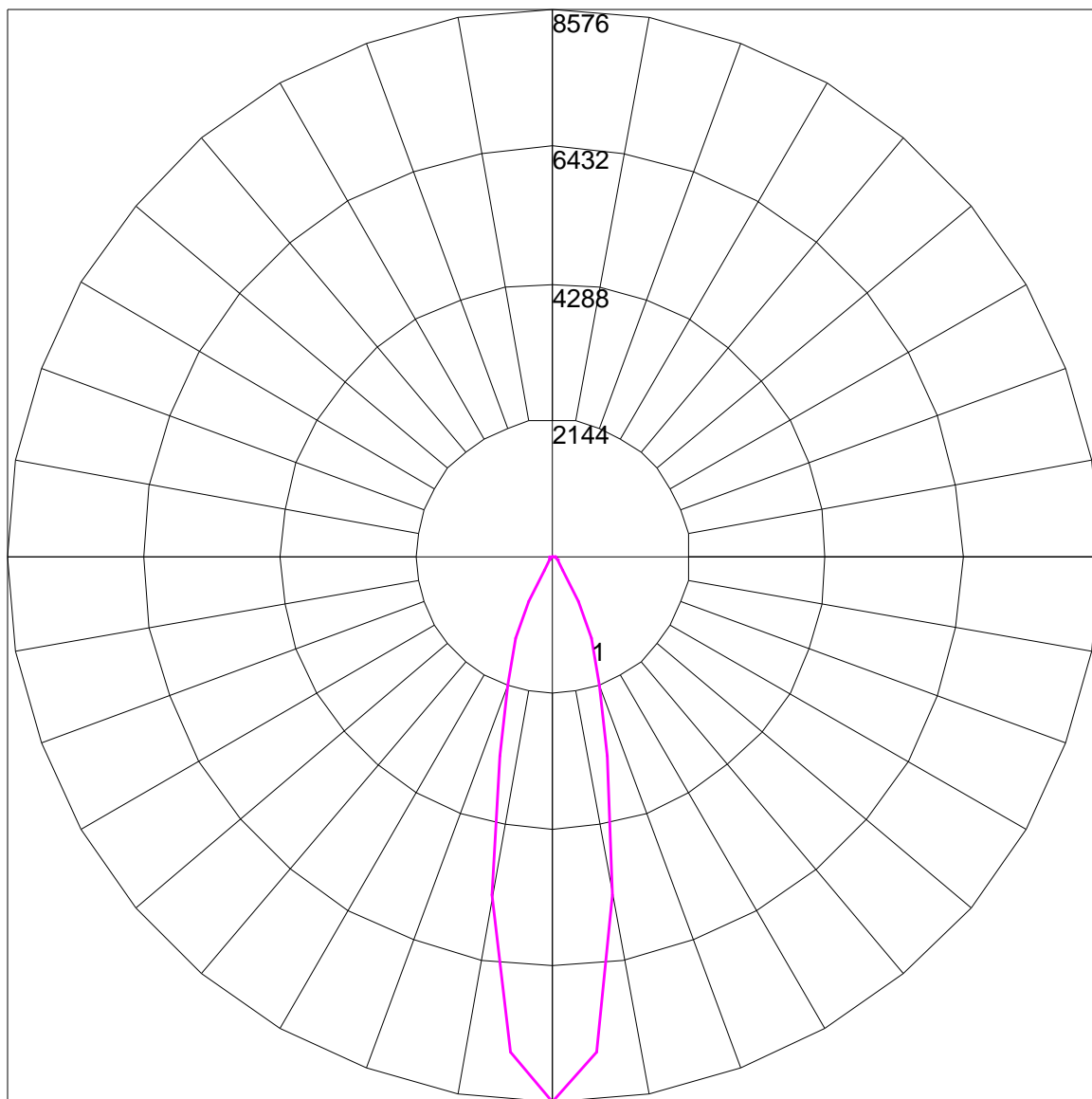
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	105	102	99	107	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	95	92	103	98	94	91	96	93	90	93	91	89	91	89	87	86
4	101	95	90	86	99	94	89	86	92	88	85	90	87	84	88	85	83	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78
6	94	86	81	78	92	85	81	77	84	80	77	83	79	76	82	78	76	75
7	90	83	78	74	89	82	77	74	81	77	73	80	76	73	79	75	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66
10	81	73	69	65	80	73	68	65	72	68	65	71	68	65	71	67	65	64

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POLAR GRAPH



Maximum Candela = 8576.363 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)