

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_44 ~ SR3DMX-XT20LE1-RDD3X-XXK-MDMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_44
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/14/2017
 [UPDATE] 4/27/2017
 [LUMCAT] SR3DMx-XT20L-E1-RDD3x-xxK-MD-MW-GL
 [LUMINAIRE] Nominal 3" Round Downlight, Deep profile, Medium Beam
 [OTHER] Matte White Trim, clear glass lens
 [OTHER] 46 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: SR3DMO-XT-series
 [OTHER] For New Construction IC Rated Housing: SR3DMI-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1977
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.72
Spacing Criterion (90-270)	0.72
Spacing Criterion (Diagonal)	0.78
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.29 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_44 ~ SR3DMX-XT20LE1-RDD3X-XXK-MDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8547	10094	8547
55	5810	7594	5810
65	5136	6357	5136
75	2321	2546	2321
85	3573	3095	3573

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_44 ~ SR3DMX-XT20LE1-RDD3X-XXK-MDMWGL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3358.678	3358.678	3358.678	3358.678	3358.678
5	3197.707	3253.845	3298.073	3253.845	3197.707
10	2830.202	2964.099	3059.679	2964.099	2830.202
15	2377.775	2502.343	2586.754	2502.343	2377.775
20	1949.293	2087.220	2172.204	2087.220	1949.293
25	1367.796	1544.699	1671.964	1544.699	1367.796
30	683.216	882.991	1025.683	882.991	683.216
35	158.267	247.446	334.420	247.446	158.267
40	55.382	65.435	72.547	65.435	55.382
45	37.637	42.245	44.445	42.245	37.637
50	27.453	31.562	32.971	31.562	27.453
55	20.753	24.467	27.124	24.467	20.753
60	16.442	17.803	19.855	17.803	16.442
65	13.516	16.290	16.730	16.290	13.516
70	7.738	10.940	11.364	10.940	7.738
75	3.740	4.737	4.104	4.737	3.740
80	2.047	2.433	2.123	2.433	2.047
85	1.939	1.802	1.680	1.802	1.939
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1000.43	N.A.	50.60
0-30	1682.51	N.A.	85.10
0-40	1898.78	N.A.	96.10
0-60	1954.85	N.A.	98.90
0-80	1975.19	N.A.	99.90
0-90	1976.78	N.A.	100.00
10-90	1675.78	N.A.	84.80
20-40	898.35	N.A.	45.40
20-50	932.70	N.A.	47.20
40-70	70.83	N.A.	3.60
60-80	20.33	N.A.	1.00
70-80	5.57	N.A.	0.30
80-90	1.60	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	1976.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	301.00
10-20	699.43
20-30	682.08
30-40	216.27
40-50	34.35
50-60	21.73
60-70	14.76
70-80	5.57
80-90	1.60
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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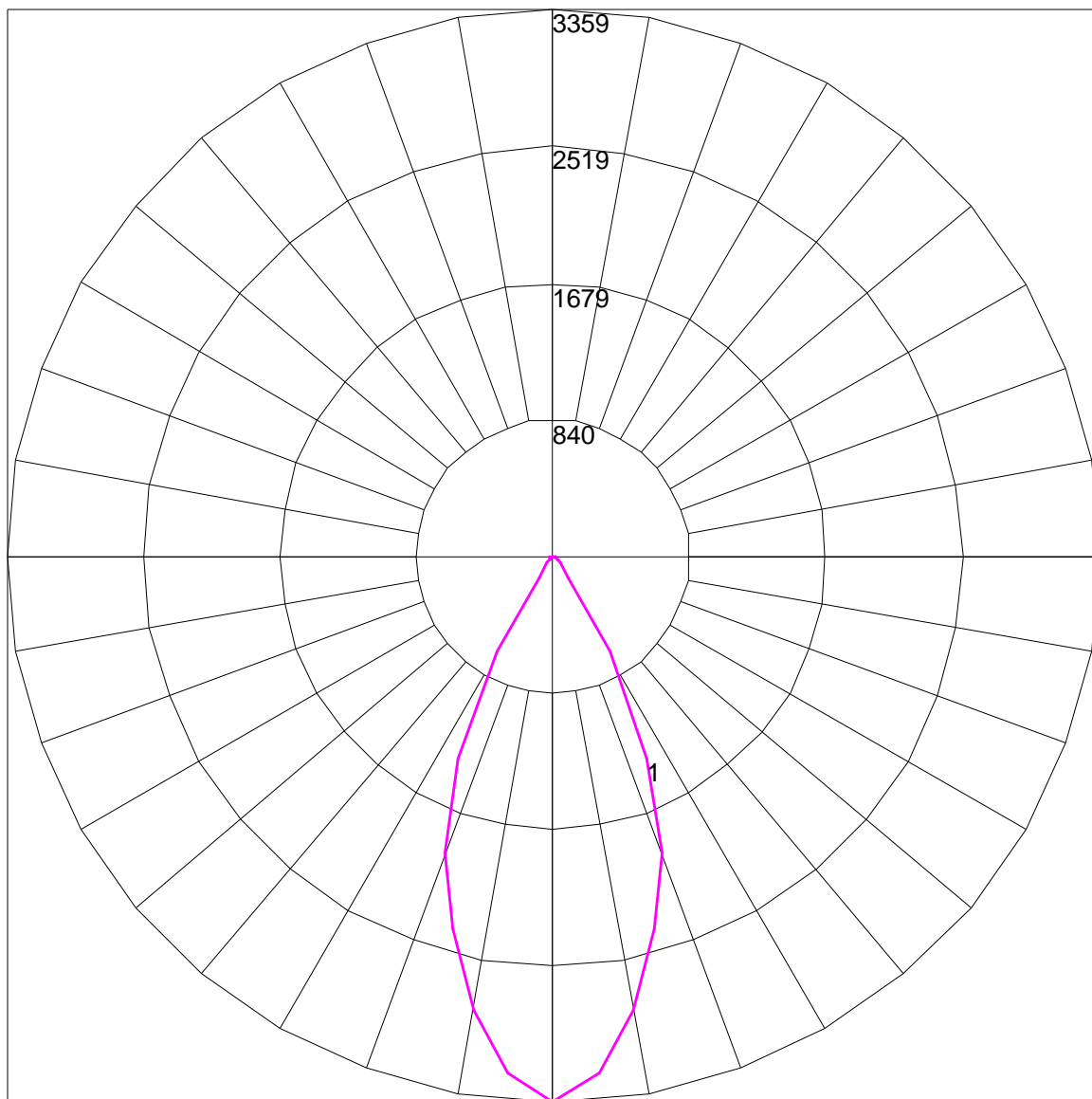
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	97	100	97	94	97	94	92	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	83	90	86	82	88	84	81	86	83	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	75
6	91	83	78	74	90	82	77	74	81	77	73	80	76	73	78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	63	70	65	62	69	65	62	61
10	77	68	63	60	76	68	63	60	67	63	60	67	62	59	66	62	59	58

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POLAR GRAPH



Maximum Candela = 3358.678 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)