

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_41 ~ SR3DMX-XT20LE1-RDD3X-XXK-NDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_41
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/26/2017
[UPDATE] 4/27/2017
[LUMCAT] SR3DMx-XT20L-E1-RDD3x-xxK-ND-MW-GL
[LUMINAIRE] Nominal 3" Round Downlight, Deep profile, Narrow Beam
[OTHER] Matte White Trim, clear glass lens
[OTHER] 23 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	1809
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	23.7
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	9037	9994	9491
55	5805	6325	5416
65	4331	4874	4667
75	3274	3022	2300
85	4210	3656	4824

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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	5921.987	5921.987	5921.987	5921.987	5921.987
5	5736.777	5780.503	5842.041	5831.520	5813.629
10	3916.767	3914.588	3947.149	3923.367	3910.983
15	2154.268	2171.379	2185.279	2171.279	2155.969
20	1477.093	1477.275	1484.391	1465.954	1447.508
25	983.512	984.167	984.913	971.245	964.600
30	566.951	560.937	561.847	552.361	538.588
35	148.688	147.243	144.607	142.954	140.074
40	50.577	51.514	51.446	52.898	52.834
45	39.794	40.560	44.008	41.995	41.790
50	32.687	31.788	31.978	32.403	30.665
55	20.735	19.348	22.593	18.729	19.343
60	18.799	16.825	16.947	15.563	15.627
65	11.398	11.600	12.828	11.438	12.282
70	6.786	7.992	8.271	7.530	6.941
75	5.277	4.250	4.871	4.343	3.707
80	2.533	1.873	3.384	2.397	3.615
85	2.285	1.516	1.984	1.307	2.618
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1150.2	N.A.	63.60
0-30	1601.6	N.A.	88.60
0-40	1737.76	N.A.	96.10
0-60	1789.87	N.A.	99.00
0-80	1806.87	N.A.	99.90
0-90	1808.59	N.A.	100.00
10-90	1320.23	N.A.	73.00
20-40	587.56	N.A.	32.50
20-50	619.83	N.A.	34.30
40-70	64.02	N.A.	3.50
60-80	17.00	N.A.	0.90
70-80	5.10	N.A.	0.30
80-90	1.72	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	1808.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	488.37
10-20	661.84
20-30	451.40
30-40	136.16
40-50	32.27
50-60	19.85
60-70	11.90
70-80	5.10
80-90	1.72
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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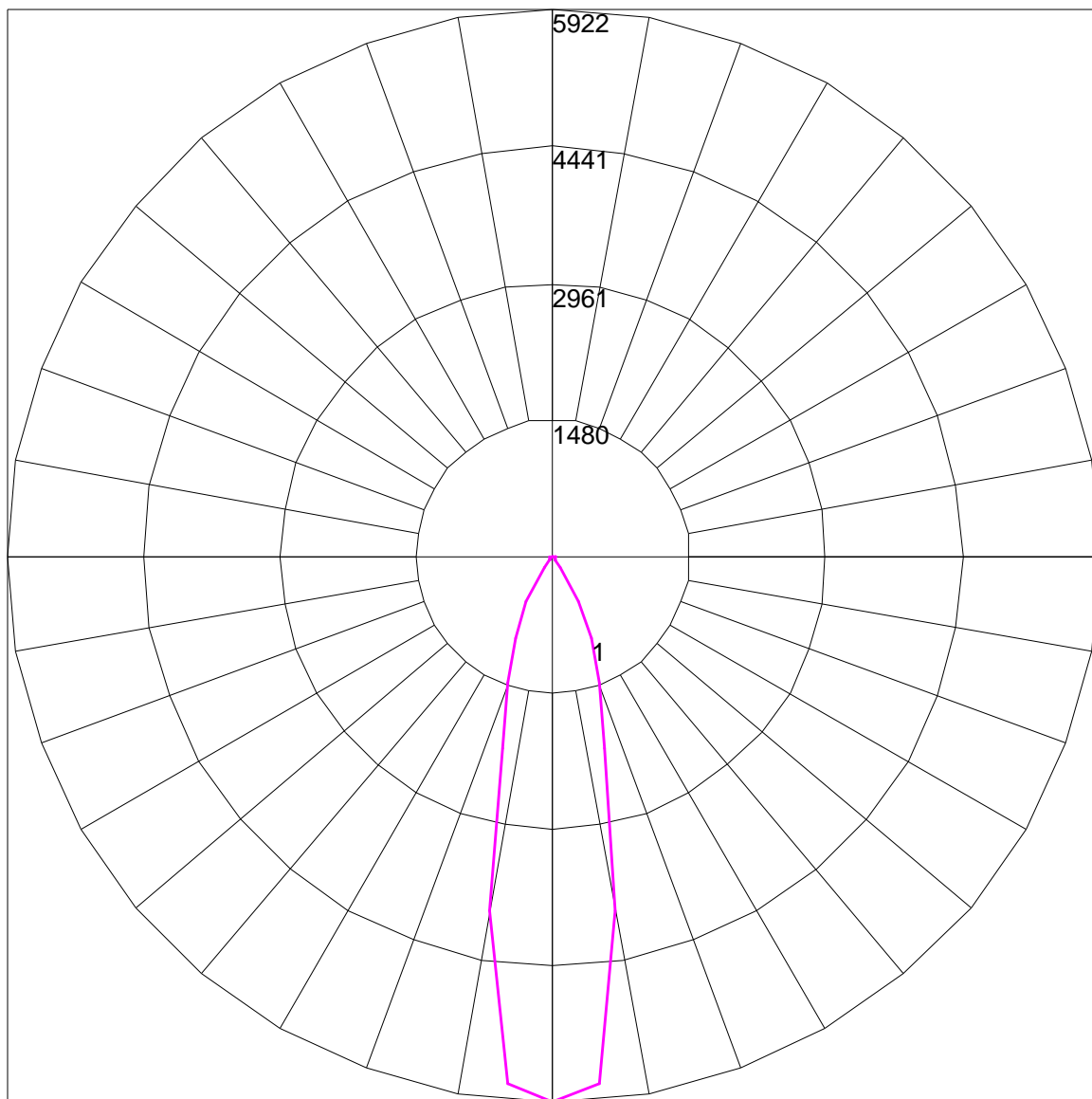
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 5921.987 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)