

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_38 ~ SR3DMX-XT20LE1-RDD3X-XXK-XNMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_38
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 2/15/2017
 [UPDATE] 4/25/2017
 [LUMCAT] SR3DMx-XT20L-E1-RDD3x-xxK-XN-MW-GL
 [LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Xtra Narrow Beam
 [OTHER] Matte White Trim, Clear glass lens
 [OTHER] 10.8 Degree Beam Angle
 [LAMP] N/A, 9mm LES
 [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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1667
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	44
Total Luminaire Watts	37.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.20
Spacing Criterion (90-270)	0.20
Spacing Criterion (Diagonal)	0.22
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	2739	3840	3273
55	3503	3494	3161
65	2332	2273	1917
75	1818	1537	1478
85	2200	2808	2941

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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	21203.279	21203.279	21203.279	21203.279	21203.279
5	12041.110	12006.380	12021.460	12013.690	12041.280
10	2194.160	2195.102	2205.004	2191.032	2213.430
15	895.734	906.610	897.988	892.659	892.421
20	743.484	750.366	744.367	745.687	735.856
25	644.602	662.139	667.549	673.360	673.250
30	464.980	494.986	518.173	511.766	560.396
35	120.580	74.313	136.583	73.898	125.979
40	23.963	19.500	23.455	21.711	17.314
45	12.062	17.171	16.908	19.398	14.411
50	9.447	11.813	13.105	13.481	10.609
55	12.512	11.578	12.479	10.136	11.289
60	7.129	10.950	10.904	10.824	8.848
65	6.136	8.282	5.983	6.942	5.044
70	4.177	4.195	3.293	3.483	5.376
75	2.930	2.133	2.478	2.030	2.382
80	1.781	3.465	3.749	1.967	1.234
85	1.194	1.841	1.524	1.716	1.596
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1224.94	N.A.	73.50
0-30	1521.56	N.A.	91.30
0-40	1632.17	N.A.	97.90
0-60	1655.18	N.A.	99.30
0-80	1664.94	N.A.	99.90
0-90	1666.55	N.A.	100.00
10-90	760.70	N.A.	45.60
20-40	407.24	N.A.	24.40
20-50	420.09	N.A.	25.20
40-70	29.80	N.A.	1.80
60-80	9.77	N.A.	0.60
70-80	2.97	N.A.	0.20
80-90	1.61	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	1666.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	905.86
10-20	319.08
20-30	296.62
30-40	110.62
40-50	12.85
50-60	10.15
60-70	6.79
70-80	2.97
80-90	1.61
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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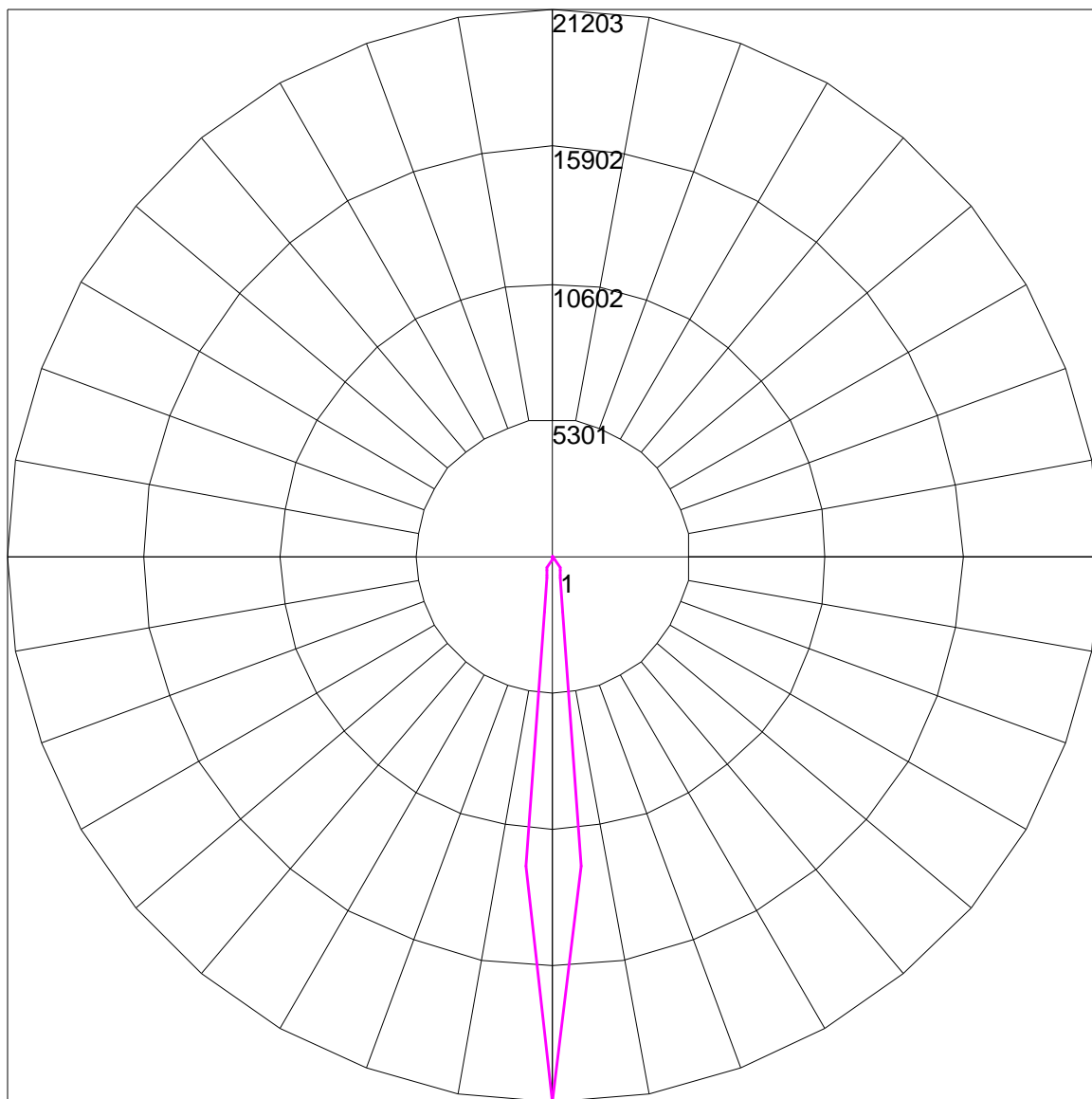
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	97	95	94
3	108	104	100	98	106	102	99	97	100	97	95	98	96	94	96	94	92	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	91	90	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86
6	100	94	90	87	99	93	89	87	92	89	86	91	88	86	90	87	85	84
7	97	91	87	85	96	91	87	84	90	86	84	89	86	84	88	85	83	82
8	95	89	85	82	94	88	85	82	88	84	82	87	84	82	86	83	81	80
9	93	87	83	80	92	86	83	80	86	82	80	85	82	80	84	82	80	79
10	91	85	81	79	90	85	81	79	84	81	78	83	80	78	83	80	78	77

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POLAR GRAPH



Maximum Candela = 21203.279 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)