

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00580_4 ~ C0310XT-10LXXK-MDEX-SOXXMW (DOWNLIGHT ONLY).IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00580_4
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/18/2017
 [UPDATE] 1/25/2018
 [LUMCAT] C0310XT-10L-xxK-MD-EX-SO-xx-MW (Downlight Only)
 [LUMINAIRE] Nom. 3" Diam. x 10"H Direct Cylinder
 [OTHER] This file is for Downlight Only;
 [OTHER] To be used w/ companion uplight only file: SP-00623 series
 [OTHER] This allows separate Up/Down Illumination Calcs to be run
 [OTHER] Medium Beam, Regressed Solite Lens
 [OTHER] Downlight: 41.7 Degree Beam Angle
 [OTHER] Trim: Matte White
 [LAMP] N/A
 [LAMPCAT] N/A, 19mm LES
 [OTHER] Total Luminaire Watts is approximate
 [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	675
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	0.70
Spacing Criterion (Diagonal)	0.70
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.25 ft (Diameter)
Luminous Width (90-270)	0.25 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3640	3937	3340
55	1463	1410	1141
65	1073	1177	1122
75	695	1160	1248
85	3791	3129	2735

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1288.697	1288.697	1288.697	1288.697	1288.697
2.5	1257.511	1265.121	1262.163	1266.895	1265.835
5.0	1226.325	1241.544	1235.628	1245.093	1242.972
7.5	1151.238	1167.753	1161.497	1176.666	1173.605
10.0	1076.151	1093.962	1087.366	1108.238	1104.238
12.5	983.147	1000.965	993.821	1018.103	1012.739
15.0	890.142	907.967	900.275	927.968	921.240
17.5	787.391	806.771	799.329	827.153	818.715
20.0	684.639	705.575	698.383	726.337	716.190
22.5	569.234	591.707	585.696	611.644	600.006
25.0	453.829	477.839	473.008	496.950	483.821
27.5	345.310	364.387	362.362	378.828	369.739
30.0	236.791	250.935	251.715	260.705	255.657
32.5	165.566	174.658	177.244	180.007	178.913
35.0	94.341	98.381	102.773	99.309	102.168
37.5	63.740	65.815	69.175	66.989	67.735
40.0	33.139	33.248	35.577	34.669	33.301
42.5	22.444	22.777	24.143	23.697	22.041
45.0	11.748	12.306	12.709	12.725	10.781
47.5	8.969	9.010	9.382	9.234	8.119
50.0	6.189	5.713	6.054	5.742	5.457
52.5	5.010	4.443	4.873	4.776	4.222
55.0	3.830	3.172	3.692	3.809	2.987
57.5	3.091	3.084	3.228	3.481	2.608
60.0	2.351	2.996	2.764	3.152	2.228
62.5	2.210	2.851	2.518	2.591	2.197
65.0	2.069	2.706	2.271	2.029	2.165
67.5	1.899	2.185	2.196	1.955	1.885
70.0	1.729	1.663	2.121	1.880	1.604
72.5	1.275	1.449	1.746	1.686	1.539
75.0	0.821	1.234	1.370	1.492	1.474
77.5	1.145	1.132	1.307	1.311	1.357
80.0	1.468	1.029	1.243	1.130	1.239
82.5	1.488	1.408	1.244	1.159	1.164
85.0	1.508	1.786	1.245	1.187	1.088
87.5	1.248	1.112	1.178	0.825	1.044
90.0	0.988	0.437	1.110	0.462	0.999

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Zone	Lumens	%Lamp	%Fixt
0-20	364.35	N.A.	54.00
0-30	580.17	N.A.	86.00
0-40	653.81	N.A.	96.90
0-60	669.49	N.A.	99.30
0-80	673.25	N.A.	99.80
0-90	674.53	N.A.	100.00
10-90	561.39	N.A.	83.20
20-40	289.46	N.A.	42.90
20-50	301.65	N.A.	44.70
40-70	17.95	N.A.	2.70
60-80	3.77	N.A.	0.60
70-80	1.49	N.A.	0.20
80-90	1.28	N.A.	0.20
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	674.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	113.15
10-20	251.20
20-30	215.82
30-40	73.64
40-50	12.19
50-60	3.49
60-70	2.28
70-80	1.49
80-90	1.28
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

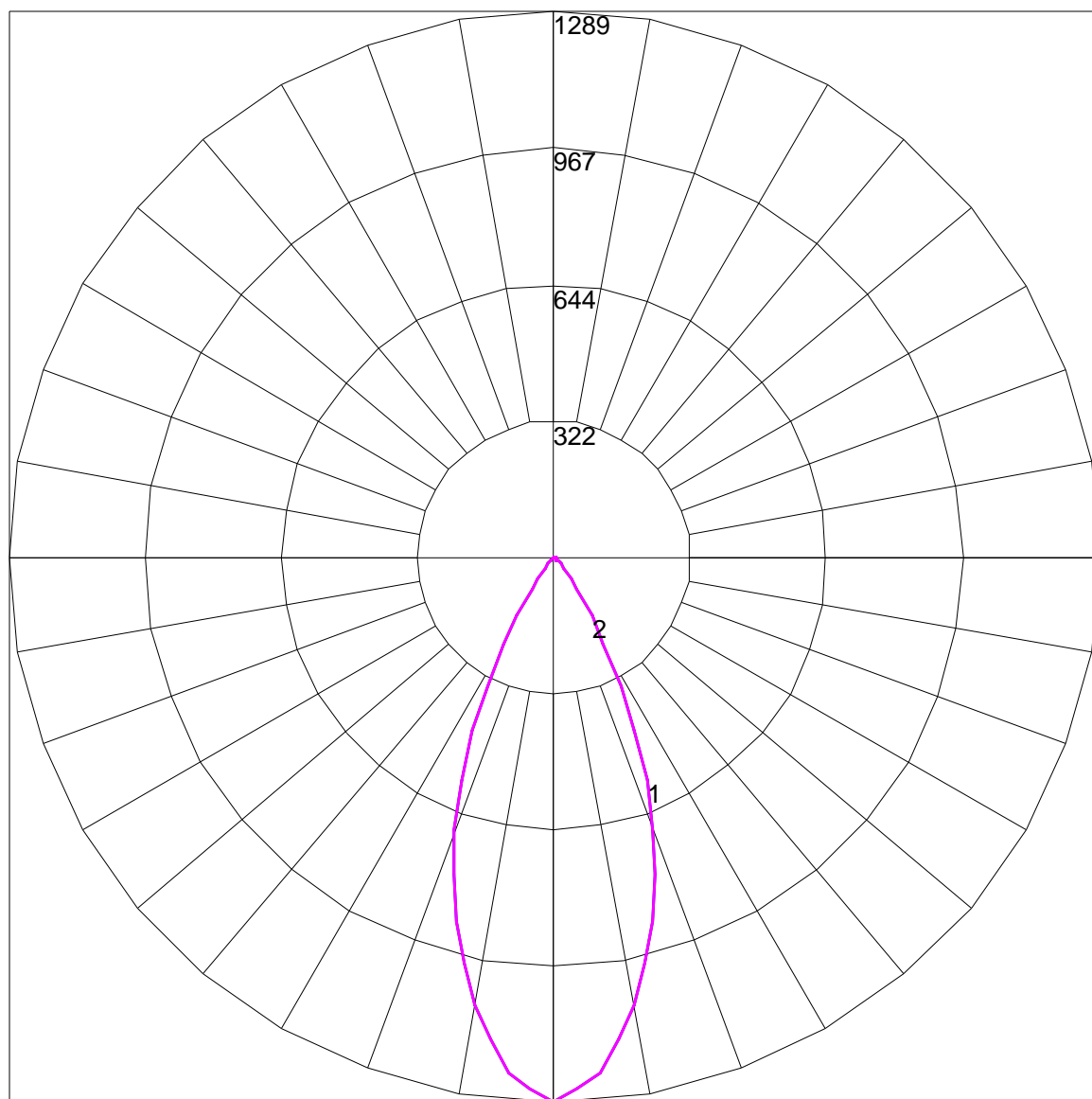
Effective Floor Cavity Reflectance 0.20

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	112	109	107	105	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	92	89	93	90	87	90	88	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	82	80
5	96	89	83	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65
9	81	73	68	64	80	73	68	64	72	67	64	71	67	64	70	66	64	62
10	78	70	65	61	77	69	65	61	69	64	61	68	64	61	67	64	61	60

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POLAR GRAPH



Maximum Candela = 1288.697 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Vertical Plane Through Horizontal Angles (0 - 180)