

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00580_4 ~ C0310XT-7LXXK-MDEX-SOXXMW (DOWNLIGHT ONLY).IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00580_4_M-7L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/18/2017
 [UPDATE] 2/7/2018
 [LUMCAT] C0310XT-7L-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	506
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	6.2
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	2730	2953	2505
55	1097	1058	856
65	805	883	842
75	521	870	935
85	2843	2348	2051

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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	966.523	966.523	966.523	966.523	966.523
2.5	943.133	948.841	946.622	950.171	949.376
5.0	919.744	931.158	926.721	933.820	932.229
7.5	863.428	875.815	871.123	882.500	880.204
10.0	807.113	820.471	815.524	831.178	828.178
12.5	737.360	750.724	745.366	763.577	759.554
15.0	667.606	680.975	675.206	695.976	690.930
17.5	590.543	605.078	599.497	620.365	614.036
20.0	513.479	529.181	523.787	544.753	537.143
22.5	426.925	443.780	439.272	458.733	450.005
25.0	340.372	358.379	354.756	372.712	362.866
27.5	258.983	273.290	271.772	284.121	277.304
30.0	177.593	188.201	188.786	195.529	191.743
32.5	124.174	130.994	132.933	135.005	134.185
35.0	70.756	73.786	77.080	74.482	76.626
37.5	47.805	49.361	51.881	50.242	50.801
40.0	24.854	24.936	26.683	26.002	24.976
42.5	16.833	17.083	18.107	17.773	16.531
45.0	8.811	9.229	9.532	9.544	8.086
47.5	6.727	6.758	7.037	6.926	6.089
50.0	4.642	4.285	4.540	4.306	4.093
52.5	3.757	3.332	3.655	3.582	3.167
55.0	2.873	2.379	2.769	2.857	2.240
57.5	2.318	2.313	2.421	2.611	1.956
60.0	1.763	2.247	2.073	2.364	1.671
62.5	1.657	2.138	1.889	1.943	1.648
65.0	1.552	2.030	1.703	1.522	1.624
67.5	1.424	1.639	1.647	1.466	1.414
70.0	1.297	1.247	1.591	1.410	1.203
72.5	0.956	1.087	1.310	1.264	1.154
75.0	0.616	0.925	1.028	1.119	1.105
77.5	0.859	0.849	0.980	0.983	1.018
80.0	1.101	0.772	0.932	0.848	0.929
82.5	1.116	1.056	0.933	0.869	0.873
85.0	1.131	1.339	0.934	0.890	0.816
87.5	0.936	0.834	0.883	0.619	0.783
90.0	0.741	0.328	0.833	0.346	0.749

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Zone	Lumens	%Lamp	%Fixt
0-20	273.26	N.A.	54.00
0-30	435.13	N.A.	86.00
0-40	490.36	N.A.	96.90
0-60	502.12	N.A.	99.30
0-80	504.94	N.A.	99.80
0-90	505.90	N.A.	100.00
10-90	421.04	N.A.	83.20
20-40	217.10	N.A.	42.90
20-50	226.24	N.A.	44.70
40-70	13.47	N.A.	2.70
60-80	2.82	N.A.	0.60
70-80	1.12	N.A.	0.20
80-90	0.96	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	505.90	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	84.86
10-20	188.40
20-30	161.87
30-40	55.23
40-50	9.14
50-60	2.62
60-70	1.71
70-80	1.12
80-90	0.96
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

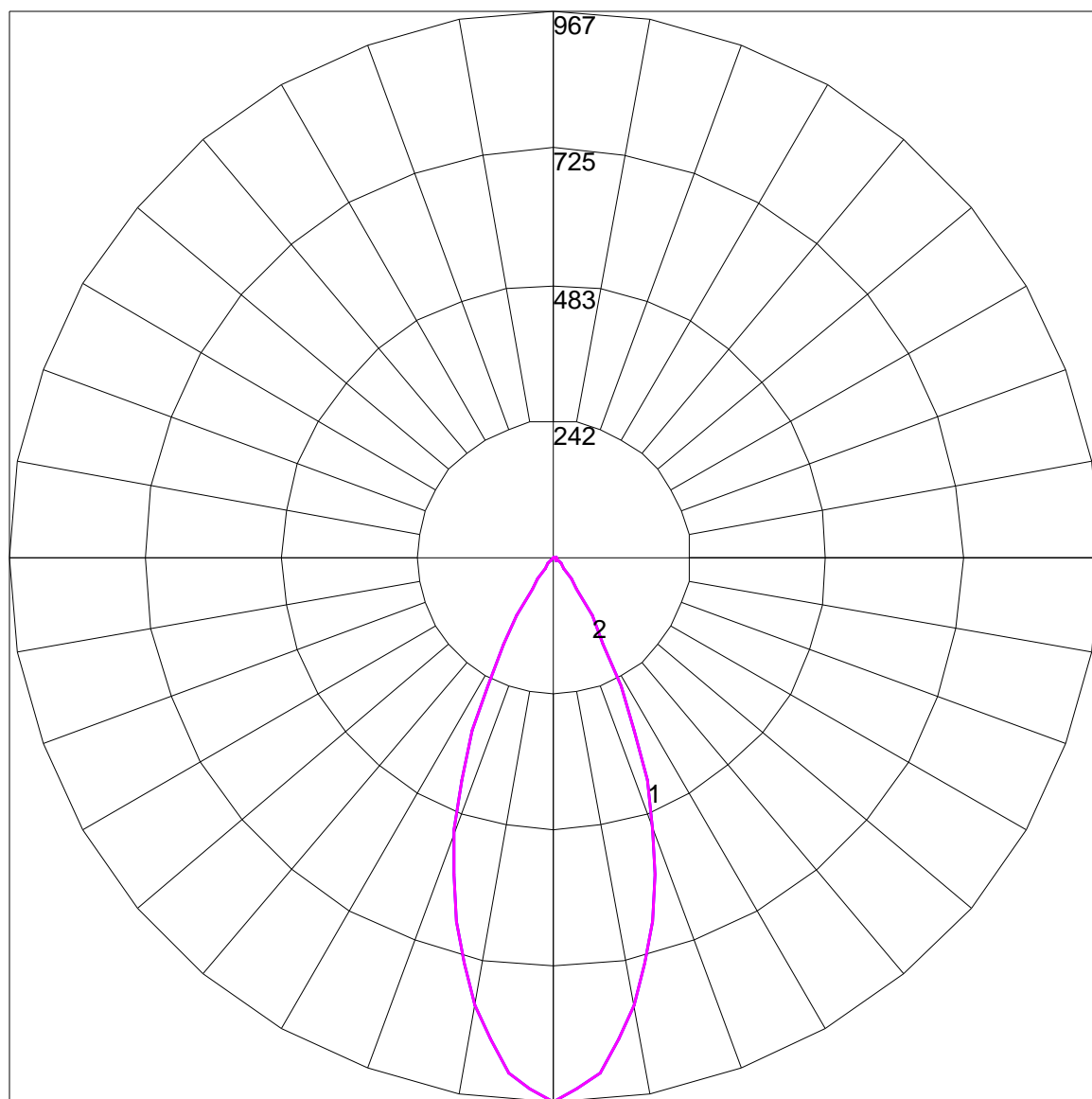
Effective Floor Cavity Reflectance 0.20

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	98	93	90	95	92	89	93	90	87	90	88	86	85
4	100	94	89	85	98	92	88	84	90	86	83	88	85	82	87	84	82	80
5	96	89	84	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	74	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	68	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 = 966.523 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)