

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00580_6 ~ C0310XT-10LXXK-WDEX-SOXXMW (DOWNLIGHT ONLY).IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00580_6
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 10/18/2017
 [UPDATE] 1/25/2017
 [LUMCAT] C0310XT-10L-xxK-WD-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] Wide beam, Regressed Solite Lens
 [OTHER] Downlight: 50 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	597
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.80
Spacing Criterion (90-270)	0.82
Spacing Criterion (Diagonal)	0.78
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	5056	5224	5780
55	1422	1509	1055
65	1200	1251	1037
75	1273	918	837
85	2325	3014	2267

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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	861.037	861.037	861.037	861.037	861.037
2.5	855.017	854.279	854.173	854.829	853.283
5.0	848.997	847.520	847.309	848.621	845.528
7.5	819.372	820.786	819.187	824.447	821.153
10.0	789.747	794.051	791.065	800.272	796.778
12.5	748.423	752.917	748.541	760.855	757.541
15.0	707.099	711.782	706.016	721.438	718.303
17.5	646.523	654.186	649.350	667.031	663.230
20.0	585.947	596.589	592.684	612.624	608.157
22.5	507.848	520.334	517.562	540.366	535.721
25.0	429.749	444.079	442.439	468.108	463.285
27.5	344.909	358.226	358.552	382.056	378.983
30.0	260.069	272.373	274.665	296.004	294.681
32.5	193.730	203.624	204.935	222.386	222.237
35.0	127.390	134.874	135.204	148.768	149.793
37.5	88.545	92.447	94.080	102.579	104.241
40.0	49.700	50.020	52.956	56.390	58.689
42.5	33.009	32.630	34.909	37.435	38.672
45.0	16.318	15.240	16.861	18.479	18.655
47.5	11.108	10.546	11.549	12.889	12.538
50.0	5.897	5.852	6.236	7.298	6.421
52.5	4.811	5.320	5.094	5.567	4.592
55.0	3.724	4.788	3.951	3.836	2.762
57.5	3.435	3.982	3.669	3.149	2.469
60.0	3.146	3.176	3.386	2.462	2.175
62.5	2.731	2.537	2.900	2.276	2.088
65.0	2.315	1.898	2.414	2.089	2.000
67.5	1.979	1.805	2.039	1.972	1.882
70.0	1.643	1.711	1.664	1.855	1.764
72.5	1.574	1.474	1.375	1.427	1.377
75.0	1.504	1.237	1.085	0.999	0.989
77.5	1.249	1.248	1.225	1.092	1.062
80.0	0.993	1.258	1.365	1.185	1.135
82.5	0.959	1.378	1.282	1.321	1.019
85.0	0.925	1.498	1.199	1.456	0.902
87.5	1.043	0.983	1.148	0.956	0.912
90.0	1.160	0.467	1.097	0.456	0.921

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Zone	Lumens	%Lamp	%Fixt
0-20	276.04	N.A.	46.20
0-30	477.74	N.A.	80.00
0-40	571.10	N.A.	95.60
0-60	592.60	N.A.	99.20
0-80	596.19	N.A.	99.80
0-90	597.42	N.A.	100.00
10-90	518.44	N.A.	86.80
20-40	295.06	N.A.	49.40
20-50	312.73	N.A.	52.30
40-70	23.70	N.A.	4.00
60-80	3.59	N.A.	0.60
70-80	1.38	N.A.	0.20
80-90	1.23	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	597.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	78.98
10-20	197.06
20-30	201.70
30-40	93.37
40-50	17.66
50-60	3.83
60-70	2.21
70-80	1.38
80-90	1.23
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

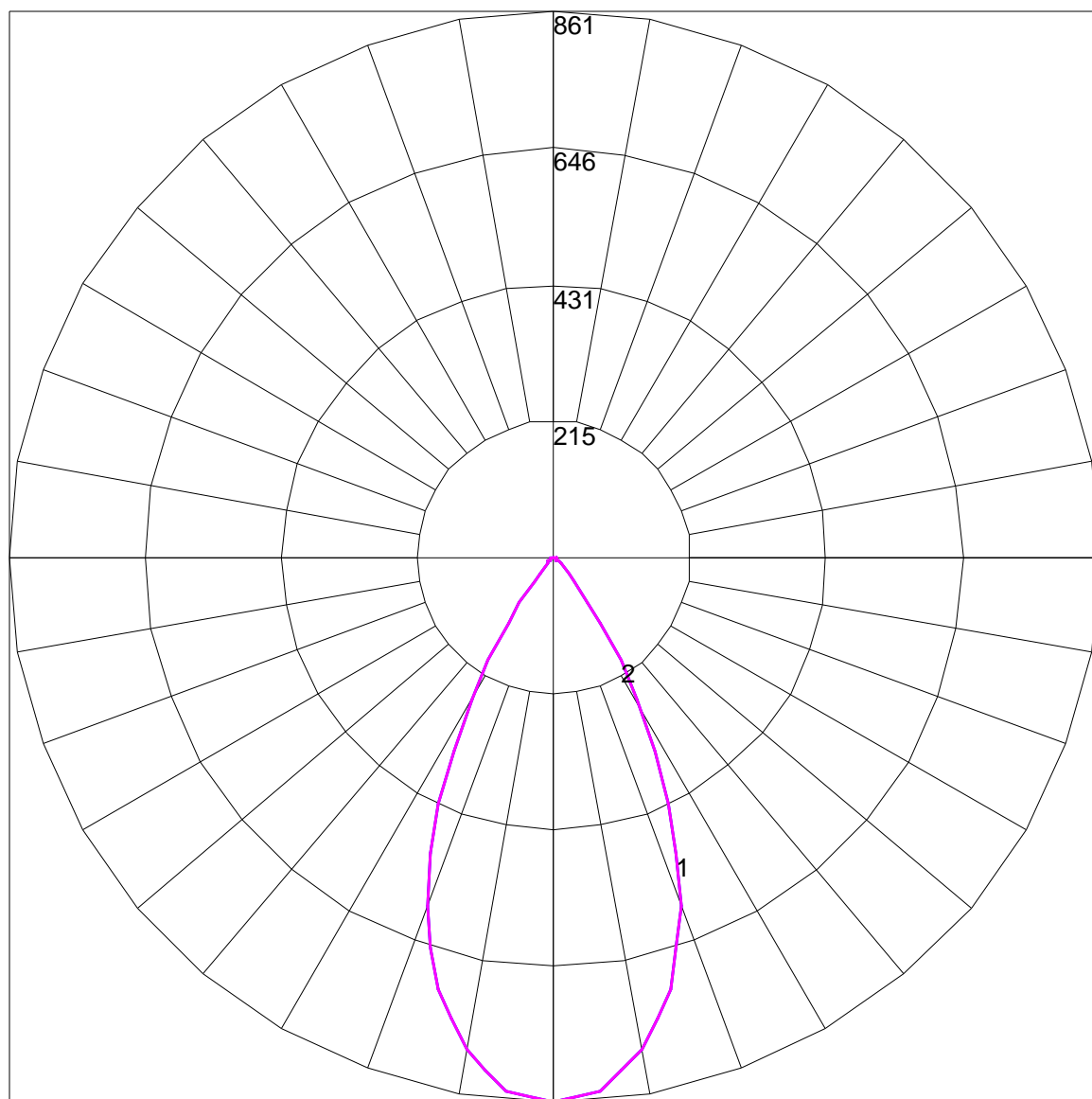
Effective Floor Cavity Reflectance 0.20

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	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	71	78	74	71	77	73	71	69
7	86	77	72	68	85	77	71	68	76	71	67	74	70	67	73	70	67	65
8	82	73	68	64	81	73	68	64	72	67	64	71	66	63	70	66	63	62
9	79	70	64	60	78	69	64	60	68	64	60	67	63	60	67	63	60	59
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	56

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POLAR GRAPH



Maximum Candela = 861.037 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)