

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00423_17 ~ C06XXUDXT-20LMDGL-20LMD-XXKEX-TSG-SO (UP_DOWN).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00423_17
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 1/30/2018
 [LUMCAT] C06xxUDXT-20L-MD-GL-20L-MD-xxK-EX-TSG-SO-xx (Up/Down)
 [LUMINAIRE] Nom. 6" Diam. x 18"H Direct/Indirect Cylinder
 [OTHER] Cylinder also available as 24" H. variant
 [OTHER] Uplight: Medium Beam, Flush Clear Glass lens
 [OTHER] Uplight: 39 Degree Beam Angle
 [OTHER] Downlight: Medium Beam, Regressed Solite lens
 [OTHER] Downlight: 39.6 Degree Beam Angle
 [OTHER] Trim: Semi-diffuse clear anodized aluminum
 [LAMP] N/A
 [LAMPCAT] N/A, 19mm LES Uplight
 [OTHER] N/A, 19mm LES Downlight
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] LEDXT lumen output is the same for all available CCT's
 [OTHER] See Catalog cut sheet for different source lumen multipliers
 [OTHER] This report prepared by Spectrum Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2592
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	43.4
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.50 ft (Diameter)
Luminous Width (90-270)	0.50 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1969	1981	2134
55	421	415	465
65	95	151	189
75	222	334	236
85	528	586	641

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	2504.630	2504.630	2504.630	2504.630	2504.630
2.5	2429.884	2436.129	2444.324	2453.712	2465.840
5.0	2355.138	2367.628	2384.018	2402.793	2427.049
7.5	2193.455	2206.221	2225.492	2241.682	2265.250
10.0	2031.771	2044.814	2066.966	2080.571	2103.450
12.5	1829.651	1841.326	1859.929	1874.081	1891.765
15.0	1627.531	1637.837	1652.891	1667.591	1680.079
17.5	1430.781	1439.138	1451.175	1463.670	1472.315
20.0	1234.030	1240.438	1249.458	1259.748	1264.550
22.5	1061.046	1065.586	1073.814	1081.435	1085.934
25.0	888.061	890.734	898.169	903.121	907.318
27.5	733.782	733.773	742.643	747.659	751.500
30.0	579.503	576.812	587.117	592.197	595.682
32.5	419.596	426.699	436.064	441.809	445.150
35.0	259.688	276.586	285.011	291.420	294.617
37.5	169.591	176.000	184.151	189.239	190.317
40.0	79.493	75.414	83.290	87.058	86.017
42.5	52.459	50.071	54.436	57.505	56.783
45.0	25.424	24.727	25.581	27.951	27.549
47.5	18.116	17.132	18.105	19.992	19.070
50.0	10.807	9.537	10.628	12.032	10.591
52.5	7.606	6.714	7.489	8.630	7.729
55.0	4.404	3.890	4.349	5.228	4.866
57.5	3.087	2.993	3.052	3.834	3.733
60.0	1.770	2.095	1.755	2.439	2.599
62.5	1.253	1.630	1.459	1.959	2.029
65.0	0.735	1.165	1.163	1.479	1.459
67.5	0.811	1.249	1.060	1.382	1.223
70.0	0.887	1.333	0.956	1.285	0.987
72.5	0.968	0.975	1.267	1.065	1.051
75.0	1.048	0.617	1.577	0.845	1.114
77.5	1.072	0.732	1.264	0.960	1.168
80.0	1.095	0.847	0.951	1.075	1.221
82.5	0.968	0.993	0.942	1.037	1.121
85.0	0.840	1.139	0.933	0.999	1.020
87.5	0.420	1.061	0.881	1.168	1.139
90.0	0.000	0.983	0.828	1.337	1.258
92.5	5.076	6.814	4.695	6.279	1.426
95.0	7.069	6.942	6.541	5.981	1.402
97.5	6.493	6.307	5.690	5.615	1.779
100.0	5.916	5.672	4.838	5.248	2.156
102.5	5.292	5.318	4.552	5.023	1.991
105.0	4.668	4.964	4.266	4.797	1.825
107.5	4.899	4.889	4.511	4.287	1.866
110.0	5.129	4.814	4.756	3.776	1.906
112.5	5.000	4.537	4.763	4.091	2.823
115.0	4.870	4.259	4.770	4.406	3.740
117.5	5.625	5.110	5.123	4.873	4.533
120.0	6.380	5.960	5.475	5.340	5.325
122.5	7.394	7.120	6.741	6.940	6.419
125.0	8.407	8.280	8.006	8.540	7.512

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127.5	11.069	10.802	11.270	11.201	10.360
130.0	13.731	13.323	14.533	13.861	13.208
132.5	21.613	22.018	21.932	21.591	22.408
135.0	29.495	30.712	29.331	29.320	31.608
137.5	75.516	77.020	72.787	73.611	77.471
140.0	121.536	123.327	116.243	117.901	123.333
142.5	237.093	228.566	229.897	224.504	225.531
145.0	352.649	333.804	343.551	331.107	327.729
147.5	477.857	456.154	468.966	454.798	449.639
150.0	603.065	578.504	594.382	578.489	571.550
152.5	710.640	695.446	704.664	695.976	688.861
155.0	818.216	812.389	814.947	813.463	806.172
157.5	981.802	966.461	975.049	969.570	961.440
160.0	1145.389	1120.533	1135.152	1125.678	1116.709
162.5	1348.898	1321.453	1339.043	1329.000	1321.515
165.0	1552.408	1522.373	1542.934	1532.323	1526.322
167.5	1778.745	1742.684	1768.565	1752.575	1747.756
170.0	2005.083	1962.995	1994.198	1972.828	1969.190
172.5	2169.759	2136.800	2166.931	2147.362	2143.118
175.0	2334.435	2310.605	2339.663	2321.895	2317.046
177.5	2400.572	2388.657	2403.186	2394.302	2391.878
180.0	2466.000	2466.000	2466.000	2466.000	2466.000

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Zone	Lumens	%Lamp	%Fixt
0-20	673.83	N.A.	26.00
0-30	1084.95	N.A.	41.90
0-40	1272.44	N.A.	49.10
0-60	1304.64	N.A.	50.30
0-80	1307.15	N.A.	50.40
0-90	1308.23	N.A.	50.50
10-90	1091.83	N.A.	42.10
20-40	598.61	N.A.	23.10
20-50	625.97	N.A.	24.10
40-70	33.60	N.A.	1.30
60-80	2.52	N.A.	0.10
70-80	1.11	N.A.	0.00
80-90	1.08	N.A.	0.00
90-110	10.05	N.A.	0.40
90-120	14.69	N.A.	0.60
90-130	22.66	N.A.	0.90
90-150	269.91	N.A.	10.40
90-180	1284.12	N.A.	49.50
110-180	1274.08	N.A.	49.10
0-180	2592.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	216.40
10-20	457.43
20-30	411.12
30-40	187.49
40-50	27.36
50-60	4.84
60-70	1.41
70-80	1.11
80-90	1.08
90-100	5.33
100-110	4.71
110-120	4.64
120-130	7.97
130-140	36.38
140-150	210.88
150-160	379.04
160-170	425.38
170-180	209.79

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

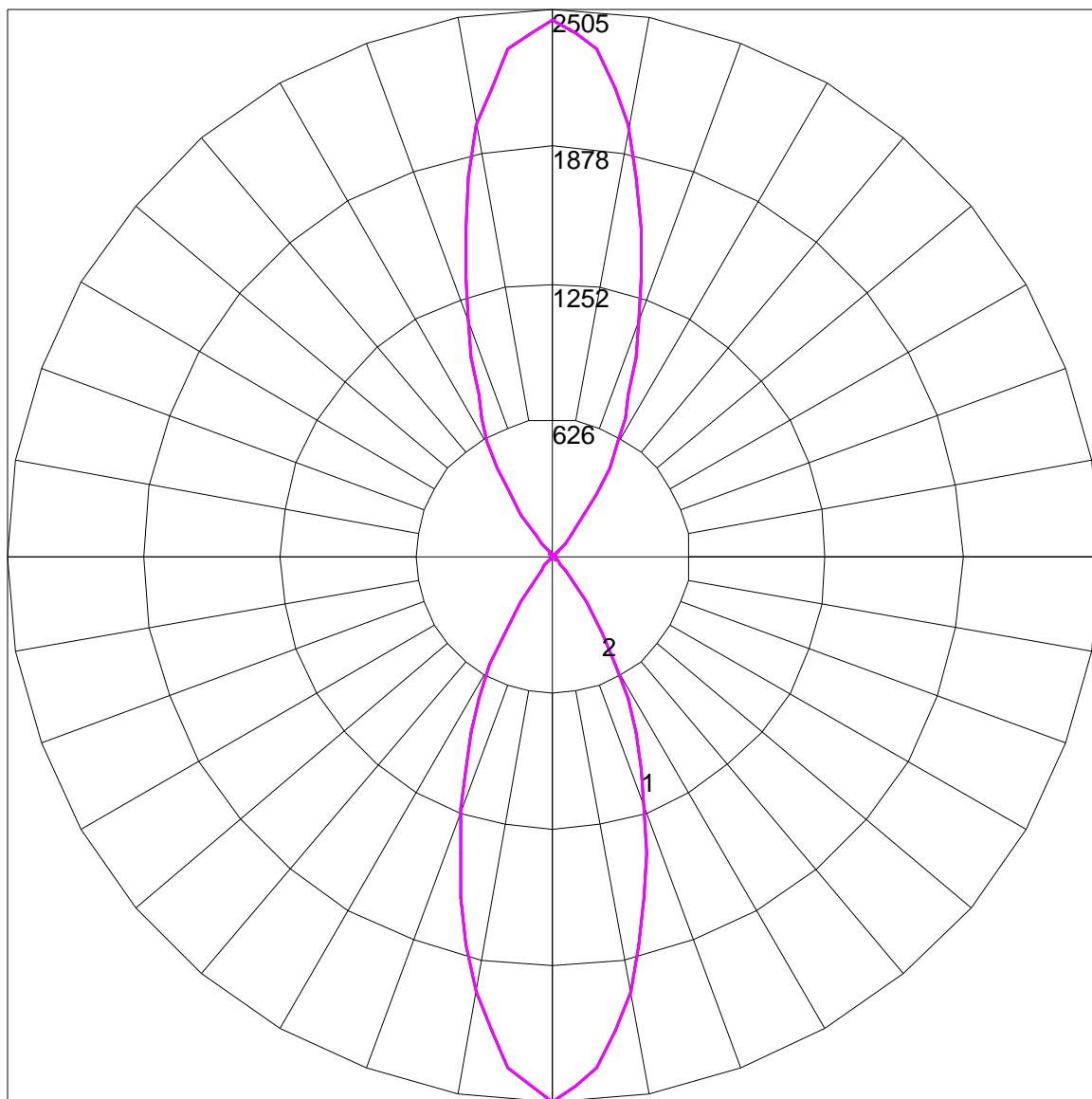
Effective Floor Cavity Reflectance 0.20

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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	50
1	100	97	94	92	93	90	88	86	77	75	74	65	64	63	54	53	53	48
2	94	89	84	80	87	83	79	75	71	69	66	61	59	58	51	50	49	45
3	88	81	76	71	82	76	71	67	66	63	60	57	55	53	49	48	46	43
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	47	45	43	40
5	78	69	63	58	73	65	60	55	58	54	51	51	48	46	44	42	41	38
6	73	64	58	53	69	61	55	51	54	50	47	48	45	43	42	40	39	36
7	69	60	53	49	65	57	51	47	51	47	44	45	42	40	40	38	37	34
8	66	56	50	45	62	53	48	44	48	44	41	43	40	38	38	36	35	33
9	62	52	46	42	58	50	44	41	45	41	38	41	38	35	37	35	33	31
10	59	49	43	39	56	47	42	38	43	39	36	39	36	34	35	33	31	30

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POLAR GRAPH



Maximum Candela = 2504.63 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)