

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00423_19 ~ C06XXUDXT-13LXWGL-13LXW-XXKEX-TSG-SO (UP_DOWN).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00423_19_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 1/30/2018
 [LUMCAT] C06xxUDXT-13L-XW-GL-13L-XW-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: Xtra Wide Beam, Flush Clear Glass lens
 [OTHER] Uplight: 55.5 Degree Beam Angle
 [OTHER] Downlight: Xtra Wide Beam, Regressed Solite lens
 [OTHER] Downlight: 52 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, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1767
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	26
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00423_19 ~ C06XXUDXT-13LXWGL-13LXW-XXKEX-TSG-SO (UP_DOWN).IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3538	3473	3598
55	841	795	819
65	137	118	107
75	194	143	159
85	453	510	451

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00423_19 ~ C06XXUDXT-13LXWGL-13LXW-XXKEX-TSG-SO (UP_DOWN).IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1113.506	1113.506	1113.506	1113.506	1113.506
2.5	1098.667	1100.156	1104.442	1104.018	1107.106
5.0	1083.828	1086.805	1095.377	1094.530	1100.705
7.5	1050.026	1053.950	1063.130	1061.929	1067.922
10.0	1016.223	1021.094	1030.882	1029.328	1035.139
12.5	969.509	974.779	982.252	982.235	988.071
15.0	922.796	928.463	933.622	935.141	941.003
17.5	864.219	868.715	875.083	875.394	881.778
20.0	805.641	808.965	816.545	815.647	822.554
22.5	731.452	735.603	741.289	741.740	748.747
25.0	657.264	662.241	666.033	667.833	674.941
27.5	565.323	571.882	575.625	575.364	584.589
30.0	473.382	481.523	485.217	482.894	494.237
32.5	364.680	364.751	370.861	370.597	374.068
35.0	255.978	247.978	256.504	258.299	253.900
37.5	176.561	171.410	176.219	182.439	174.823
40.0	97.143	94.842	95.933	106.580	95.745
42.5	71.412	69.861	70.388	77.241	71.097
45.0	45.679	44.881	44.842	47.903	46.448
47.5	34.079	32.835	33.333	35.589	34.628
50.0	22.480	20.790	21.825	23.274	22.808
52.5	15.642	14.327	15.076	16.191	15.695
55.0	8.803	7.865	8.327	9.108	8.582
57.5	5.658	4.689	5.251	5.707	5.326
60.0	2.512	1.513	2.175	2.306	2.070
62.5	1.784	1.173	1.541	1.578	1.449
65.0	1.056	0.832	0.907	0.849	0.827
67.5	0.993	0.857	0.792	0.807	0.793
70.0	0.929	0.882	0.676	0.765	0.759
72.5	0.923	0.799	0.675	0.827	0.755
75.0	0.917	0.716	0.674	0.888	0.752
77.5	0.819	0.783	0.636	0.874	0.676
80.0	0.720	0.850	0.599	0.859	0.600
82.5	0.721	0.810	0.706	0.789	0.659
85.0	0.721	0.769	0.812	0.718	0.718
87.5	0.674	0.818	0.747	0.843	0.721
90.0	0.627	0.868	0.682	0.968	0.723
92.5	3.011	3.413	2.916	3.555	0.970
95.0	4.168	3.834	4.003	3.616	1.147
97.5	3.646	3.596	3.842	3.476	1.152
100.0	3.124	3.359	3.680	3.336	1.158
102.5	3.364	3.032	3.692	3.477	1.384
105.0	3.604	2.706	3.703	3.619	1.610
107.5	3.905	3.121	3.795	3.741	2.035
110.0	4.206	3.536	3.887	3.863	2.460
112.5	4.906	4.164	3.901	4.153	2.938
115.0	5.605	4.792	3.916	4.443	3.415
117.5	6.302	5.734	4.900	5.288	4.538
120.0	6.998	6.675	5.885	6.133	5.661
122.5	9.994	8.568	7.850	8.484	8.653
125.0	12.990	10.460	9.814	10.835	11.645

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127.5	18.962	15.036	14.265	15.608	17.213
130.0	24.935	19.612	18.715	20.379	22.779
132.5	36.119	31.782	29.812	34.059	36.941
135.0	47.301	43.952	40.908	47.737	51.102
137.5	91.463	87.647	89.792	97.369	102.937
140.0	135.626	131.342	138.676	147.001	154.772
142.5	231.353	214.143	226.369	234.015	246.087
145.0	327.079	296.944	314.062	321.028	337.401
147.5	427.207	386.289	401.890	407.373	426.981
150.0	527.335	475.634	489.720	493.718	516.561
152.5	595.670	546.989	550.744	559.025	580.386
155.0	664.005	618.345	611.768	624.332	644.211
157.5	718.797	682.084	678.433	686.310	703.293
160.0	773.588	745.823	745.098	748.289	762.375
162.5	828.569	808.150	812.568	809.324	820.284
165.0	883.549	870.478	880.040	870.359	878.194
167.5	924.416	915.373	923.456	913.089	918.161
170.0	965.284	960.268	966.874	955.818	958.129
172.5	987.047	983.590	988.762	979.787	982.134
175.0	1008.810	1006.912	1010.651	1003.754	1006.139
177.5	1016.146	1015.197	1017.067	1013.618	1014.811
180.0	1023.100	1023.100	1023.100	1023.100	1023.100

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Zone	Lumens	%Lamp	%Fixt
0-20	361.41	N.A.	20.50
0-30	661.07	N.A.	37.40
0-40	827.65	N.A.	46.80
0-60	877.03	N.A.	49.60
0-80	878.99	N.A.	49.70
0-90	879.82	N.A.	49.80
10-90	777.91	N.A.	44.00
20-40	466.23	N.A.	26.40
20-50	506.55	N.A.	28.70
40-70	50.53	N.A.	2.90
60-80	1.96	N.A.	0.10
70-80	0.82	N.A.	0.00
80-90	0.83	N.A.	0.00
90-110	6.68	N.A.	0.40
90-120	11.31	N.A.	0.60
90-130	22.09	N.A.	1.30
90-150	264.41	N.A.	15.00
90-180	887.34	N.A.	50.20
110-180	880.66	N.A.	49.80
0-180	1767.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	101.91
10-20	259.50
20-30	299.66
30-40	166.57
40-50	40.32
50-60	9.07
60-70	1.14
70-80	0.82
80-90	0.83
90-100	3.21
100-110	3.46
110-120	4.63
120-130	10.78
130-140	47.54
140-150	194.79
150-160	285.97
160-170	242.45
170-180	94.50

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

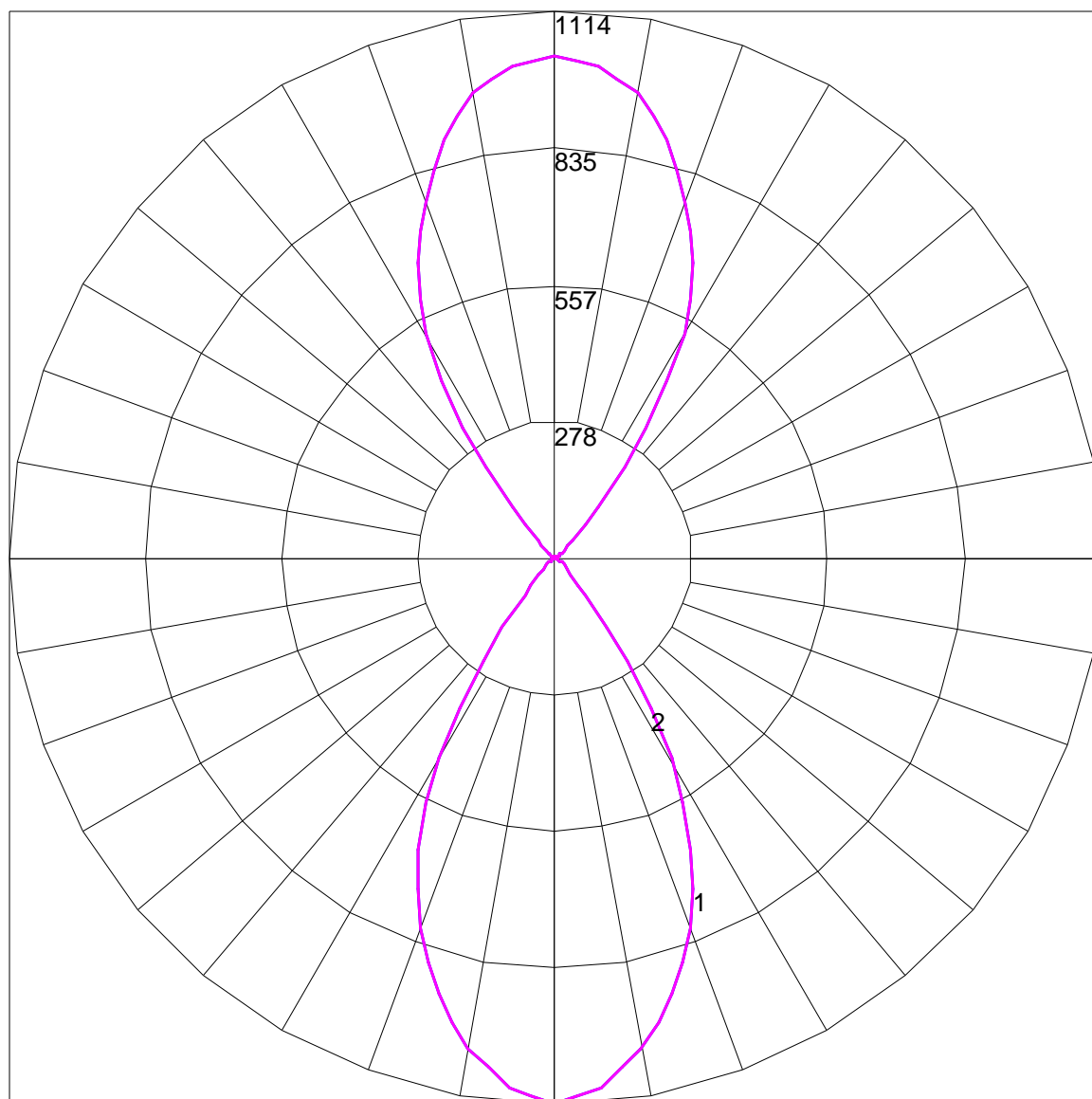
Effective Floor Cavity Reflectance 0.20

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	83	83	83	69	69	69	56	56	56	50
1	100	97	94	91	92	90	87	85	76	75	73	64	63	62	53	52	52	47
2	93	88	83	79	86	82	78	74	70	67	65	60	58	56	50	49	48	44
3	87	80	74	70	81	75	70	66	65	61	58	56	53	51	47	46	45	41
4	82	73	67	62	76	69	63	59	60	56	53	52	49	47	45	43	41	38
5	76	67	61	56	71	63	57	53	56	51	48	49	46	43	42	40	39	36
6	72	62	55	51	67	58	53	48	52	47	44	46	42	40	40	38	36	33
7	67	57	51	46	63	54	48	44	48	44	41	43	40	37	38	35	34	31
8	63	53	47	42	59	50	45	41	45	41	38	40	37	35	36	33	32	30
9	60	50	43	39	56	47	42	38	42	38	35	38	35	32	34	31	30	28
10	57	46	40	36	53	44	39	35	40	36	33	36	33	30	32	30	28	26

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POLAR GRAPH



Maximum Candela = 1113.506 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)