

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00423_15 ~ C06XXUDXT-10LXNGL-10LXN-XXKEX-TSG-GL (UP_DOWN).IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00423_15_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 1/30/2018
 [LUMCAT] C06xxUDXT-10L-XN-GL-10L-XN-xxK-EX-TSG-GL-xx (Up/Down)
 [LUMINAIRE] Nom. 6" Diam. x 18"H Direct/Indirect Cylinder
 [OTHER] Cylinder also available as 24" H variant
 [OTHER] Uplight: Xtra Narrow Beam, Flush Clear Glass lens
 [OTHER] Uplight: 15 Degree Beam Angle
 [OTHER] Downlight: Xtra Narrow Beam, Regressed Clear Glass lens
 [OTHER] Downlight: 9.7 Degree Beam Angle
 [OTHER] Trim: Semi-diffuse clear anodized aluminum
 [LAMP] N/A
 [LAMPCAT] N/A, 9mm LES Uplight
 [OTHER] N/A. 9mm 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	1804
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	25.6
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	1354	1309	1157
55	316	367	292
65	243	235	173
75	216	254	236
85	731	894	687

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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	9240.935	9240.935	9240.935	9240.935	9240.935
2.5	6869.301	7079.654	7149.236	7099.775	7022.737
5.0	4497.666	4918.373	5057.537	4958.614	4804.539
7.5	2685.405	2902.435	2977.150	2920.658	2835.816
10.0	873.144	886.496	896.761	882.702	867.094
12.5	754.666	763.189	765.543	753.319	738.702
15.0	636.188	639.882	634.325	623.935	610.311
17.5	592.341	592.784	589.195	580.223	570.100
20.0	548.494	545.686	544.064	536.510	529.890
22.5	516.055	512.094	513.566	508.362	501.053
25.0	483.617	478.501	483.068	480.212	472.216
27.5	436.542	431.503	433.398	430.901	422.802
30.0	389.467	384.504	383.728	381.588	373.387
32.5	361.991	364.790	352.667	354.591	322.173
35.0	334.514	345.076	321.605	327.593	270.959
37.5	230.324	220.899	225.453	192.469	172.609
40.0	126.134	96.721	129.299	57.345	74.258
42.5	71.807	56.642	73.100	35.257	44.598
45.0	17.479	16.562	16.900	13.168	14.937
47.5	11.550	11.067	11.654	9.132	10.387
50.0	5.621	5.571	6.408	5.096	5.838
52.5	4.464	4.732	5.124	4.080	4.446
55.0	3.307	3.893	3.839	3.064	3.054
57.5	2.755	3.133	3.383	2.692	2.648
60.0	2.202	2.373	2.927	2.320	2.241
62.5	2.040	2.213	2.372	2.137	1.789
65.0	1.878	2.053	1.817	1.954	1.335
67.5	1.345	1.532	1.577	1.558	1.204
70.0	0.811	1.011	1.336	1.161	1.072
72.5	0.916	1.179	1.267	1.201	1.093
75.0	1.020	1.346	1.198	1.240	1.113
77.5	1.334	1.018	1.120	1.264	1.240
80.0	1.648	0.688	1.041	1.288	1.365
82.5	1.405	0.795	1.232	1.202	1.229
85.0	1.163	0.901	1.423	1.115	1.093
87.5	1.174	1.017	1.467	1.170	1.114
90.0	1.185	1.132	1.512	1.224	1.134
92.5	1.064	2.546	1.413	2.464	1.809
95.0	1.832	2.830	1.447	2.506	1.319
97.5	2.598	3.113	1.480	2.549	0.829
100.0	2.269	2.342	1.792	2.147	0.933
102.5	1.939	1.570	2.103	1.746	1.037
105.0	1.693	1.621	1.678	1.296	0.902
107.5	1.368	1.672	1.251	0.846	1.088
110.0	1.288	1.247	1.200	1.077	1.408
112.5	1.610	0.928	1.368	1.309	1.577
115.0	1.931	1.035	1.588	1.100	1.745
117.5	2.334	1.945	2.310	1.641	2.469
120.0	2.737	2.856	3.032	2.392	3.193
122.5	2.614	3.063	3.087	3.078	2.981
125.0	2.492	3.269	3.142	3.765	2.770

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127.5	2.633	3.270	3.088	2.747	2.697
130.0	2.774	3.272	3.033	1.729	2.623
132.5	4.638	3.963	3.631	2.122	8.129
135.0	6.501	4.653	4.229	2.516	13.634
137.5	38.910	27.085	33.313	23.827	53.234
140.0	71.318	49.516	62.397	45.138	92.834
142.5	130.317	111.293	121.373	104.951	153.080
145.0	189.315	173.070	180.349	164.765	213.326
147.5	219.620	213.358	215.045	206.003	233.689
150.0	249.925	253.647	249.742	247.242	254.052
152.5	260.904	263.126	260.171	255.572	264.342
155.0	271.883	272.604	270.601	263.903	274.633
157.5	287.442	285.567	283.754	275.706	295.340
160.0	303.000	298.530	296.908	287.509	316.048
162.5	407.386	378.612	384.888	356.545	488.804
165.0	511.772	458.694	472.869	425.581	661.561
167.5	1250.738	1053.750	1123.051	972.051	1755.273
170.0	1989.708	1648.807	1773.237	1518.525	2848.988
172.5	3933.921	3380.929	3618.547	3195.692	4882.599
175.0	5878.125	5113.044	5463.849	4872.852	6916.200
177.5	6627.720	6245.180	6420.582	6125.084	7146.757
180.0	7377.060	7377.060	7377.060	7377.060	7377.060

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Zone	Lumens	%Lamp	%Fixt
0-20	536.32	N.A.	29.70
0-30	752.19	N.A.	41.70
0-40	925.72	N.A.	51.30
0-60	953.88	N.A.	52.90
0-80	956.91	N.A.	53.00
0-90	958.19	N.A.	53.10
10-90	607.27	N.A.	33.70
20-40	389.40	N.A.	21.60
20-50	414.19	N.A.	23.00
40-70	29.96	N.A.	1.70
60-80	3.04	N.A.	0.20
70-80	1.24	N.A.	0.10
80-90	1.27	N.A.	0.10
90-110	3.75	N.A.	0.20
90-120	5.42	N.A.	0.30
90-130	8.09	N.A.	0.40
90-150	124.58	N.A.	6.90
90-180	846.28	N.A.	46.90
110-180	842.53	N.A.	46.70
0-180	1804.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	350.92
10-20	185.40
20-30	215.87
30-40	173.53
40-50	24.79
50-60	3.37
60-70	1.80
70-80	1.24
80-90	1.27
90-100	2.15
100-110	1.60
110-120	1.67
120-130	2.67
130-140	13.56
140-150	102.92
150-160	125.37
160-170	198.10
170-180	398.23

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

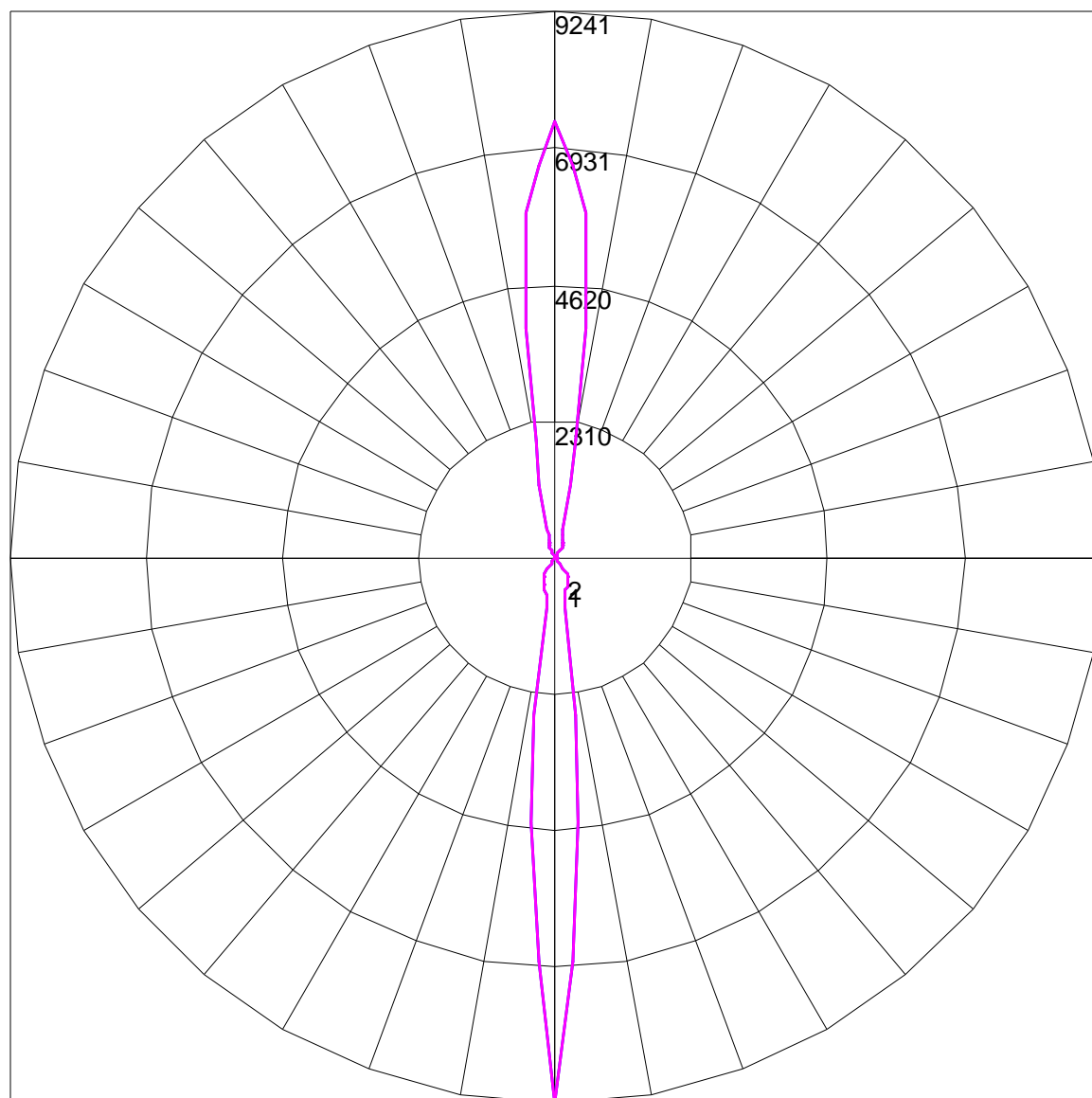
Effective Floor Cavity Reflectance 0.20

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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	101	98	95	93	94	92	89	87	79	77	76	67	66	65	57	56	56	51
2	95	90	86	82	89	84	81	77	73	71	69	64	62	60	54	53	52	48
3	90	83	78	73	84	78	73	70	69	65	63	60	58	56	52	51	50	46
4	85	77	71	67	79	72	67	64	64	61	58	57	54	52	50	48	47	44
5	80	71	65	61	75	68	62	59	61	57	54	54	51	49	48	46	45	42
6	76	67	61	56	71	63	58	54	57	53	50	51	49	46	46	44	43	40
7	72	63	57	53	68	60	55	51	54	50	47	49	46	44	44	42	41	39
8	68	59	53	49	65	57	51	48	52	48	45	47	44	42	43	41	39	37
9	65	56	50	46	62	54	49	45	49	45	43	45	42	40	41	39	38	36
10	62	53	48	44	59	51	46	43	47	43	41	43	40	38	40	38	36	35

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POLAR GRAPH



Maximum Candela = 9240.935 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)