

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00423\_19 ~ C06XXUDXT-10LXWGL-10LXW-XXKEX-TSG-SO (UP\_DOWN).IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00423\_19\_M-10L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUE DATE] 10/13/2017  
 [UPDATE] 1/30/2018  
 [LUMCAT] C06xxUDXT-10L-XW-GL-10L-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	1312
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	18.2
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	2626	2578	2671
55	624	590	608
65	102	87	80
75	144	106	118
85	336	379	335

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00423\_19 ~ C06XXUDXT-10LXWGL-10LXW-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>
<b>0.0</b>	826.564	826.564	826.564	826.564	826.564
<b>2.5</b>	815.549	816.654	819.836	819.521	821.813
<b>5.0</b>	804.534	806.744	813.107	812.478	817.062
<b>7.5</b>	779.442	782.355	789.169	788.278	792.727
<b>10.0</b>	754.350	757.966	765.232	764.078	768.391
<b>12.5</b>	719.674	723.586	729.133	729.121	733.453
<b>15.0</b>	684.998	689.205	693.035	694.163	698.514
<b>17.5</b>	641.516	644.854	649.581	649.812	654.551
<b>20.0</b>	598.033	600.501	606.128	605.461	610.588
<b>22.5</b>	542.963	546.044	550.265	550.600	555.801
<b>25.0</b>	487.892	491.586	494.401	495.738	501.014
<b>27.5</b>	419.644	424.512	427.291	427.097	433.945
<b>30.0</b>	351.395	357.438	360.180	358.456	366.876
<b>32.5</b>	270.705	270.757	275.293	275.097	277.674
<b>35.0</b>	190.014	184.076	190.405	191.737	188.472
<b>37.5</b>	131.062	127.239	130.809	135.426	129.772
<b>40.0</b>	72.110	70.402	71.212	79.115	71.072
<b>42.5</b>	53.009	51.859	52.249	57.337	52.776
<b>45.0</b>	33.908	33.315	33.286	35.559	34.479
<b>47.5</b>	25.297	24.374	24.744	26.418	25.705
<b>50.0</b>	16.687	15.432	16.201	17.276	16.930
<b>52.5</b>	11.611	10.635	11.191	12.019	11.650
<b>55.0</b>	6.534	5.838	6.181	6.761	6.370
<b>57.5</b>	4.200	3.481	3.898	4.236	3.954
<b>60.0</b>	1.865	1.123	1.614	1.712	1.537
<b>62.5</b>	1.324	0.870	1.144	1.171	1.075
<b>65.0</b>	0.784	0.618	0.673	0.630	0.614
<b>67.5</b>	0.737	0.636	0.588	0.599	0.589
<b>70.0</b>	0.689	0.655	0.502	0.568	0.563
<b>72.5</b>	0.685	0.593	0.501	0.614	0.561
<b>75.0</b>	0.681	0.531	0.500	0.659	0.558
<b>77.5</b>	0.608	0.581	0.472	0.648	0.502
<b>80.0</b>	0.535	0.631	0.444	0.638	0.445
<b>82.5</b>	0.535	0.601	0.524	0.586	0.489
<b>85.0</b>	0.535	0.571	0.603	0.533	0.533
<b>87.5</b>	0.500	0.607	0.555	0.626	0.535
<b>90.0</b>	0.466	0.644	0.506	0.718	0.537
<b>92.5</b>	2.235	2.534	2.164	2.639	0.720
<b>95.0</b>	3.094	2.846	2.972	2.684	0.852
<b>97.5</b>	2.707	2.670	2.852	2.580	0.855
<b>100.0</b>	2.319	2.493	2.732	2.477	0.859
<b>102.5</b>	2.497	2.251	2.741	2.581	1.027
<b>105.0</b>	2.675	2.009	2.749	2.686	1.195
<b>107.5</b>	2.899	2.317	2.817	2.777	1.511
<b>110.0</b>	3.122	2.625	2.885	2.867	1.826
<b>112.5</b>	3.641	3.091	2.896	3.083	2.181
<b>115.0</b>	4.161	3.557	2.907	3.298	2.535
<b>117.5</b>	4.678	4.256	3.638	3.926	3.369
<b>120.0</b>	5.195	4.955	4.369	4.553	4.202
<b>122.5</b>	7.418	6.360	5.827	6.298	6.424
<b>125.0</b>	9.642	7.765	7.285	8.043	8.644

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127.5	14.076	11.162	10.589	11.586	12.777
130.0	18.510	14.558	13.893	15.128	16.909
132.5	26.811	23.592	22.130	25.282	27.421
135.0	35.112	32.626	30.367	35.436	37.933
137.5	67.894	65.061	66.654	72.278	76.411
140.0	100.676	97.496	102.940	109.120	114.889
142.5	171.735	158.960	168.035	173.711	182.672
145.0	242.794	220.424	233.130	238.302	250.456
147.5	317.119	286.745	298.326	302.396	316.951
150.0	391.445	353.067	363.523	366.491	383.448
152.5	442.170	406.034	408.821	414.968	430.825
155.0	492.896	459.002	454.120	463.447	478.203
157.5	533.568	506.316	503.606	509.453	522.060
160.0	574.241	553.630	553.092	555.461	565.917
162.5	615.053	599.896	603.176	600.767	608.903
165.0	655.865	646.163	653.260	646.074	651.890
167.5	686.201	679.488	685.489	677.793	681.558
170.0	716.538	712.814	717.718	709.511	711.227
172.5	732.693	730.127	733.966	727.303	729.046
175.0	748.847	747.439	750.214	745.094	746.865
177.5	754.293	753.589	754.976	752.417	753.302
180.0	759.455	759.455	759.455	759.455	759.455

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Zone	Lumens	%Lamp	%Fixt
0-20	268.28	N.A.	20.50
0-30	490.72	N.A.	37.40
0-40	614.37	N.A.	46.80
0-60	651.03	N.A.	49.60
0-80	652.48	N.A.	49.70
0-90	653.10	N.A.	49.80
10-90	577.45	N.A.	44.00
20-40	346.09	N.A.	26.40
20-50	376.02	N.A.	28.70
40-70	37.51	N.A.	2.90
60-80	1.45	N.A.	0.10
70-80	0.61	N.A.	0.00
80-90	0.62	N.A.	0.00
90-110	4.96	N.A.	0.40
90-120	8.40	N.A.	0.60
90-130	16.40	N.A.	1.30
90-150	196.28	N.A.	15.00
90-180	658.68	N.A.	50.20
110-180	653.72	N.A.	49.80
0-180	1311.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	75.65
10-20	192.63
20-30	222.44
30-40	123.65
40-50	29.93
50-60	6.73
60-70	0.85
70-80	0.61
80-90	0.62
90-100	2.39
100-110	2.57
110-120	3.44
120-130	8.00
130-140	35.29
140-150	144.59
150-160	212.28
160-170	179.97
170-180	70.15

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## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

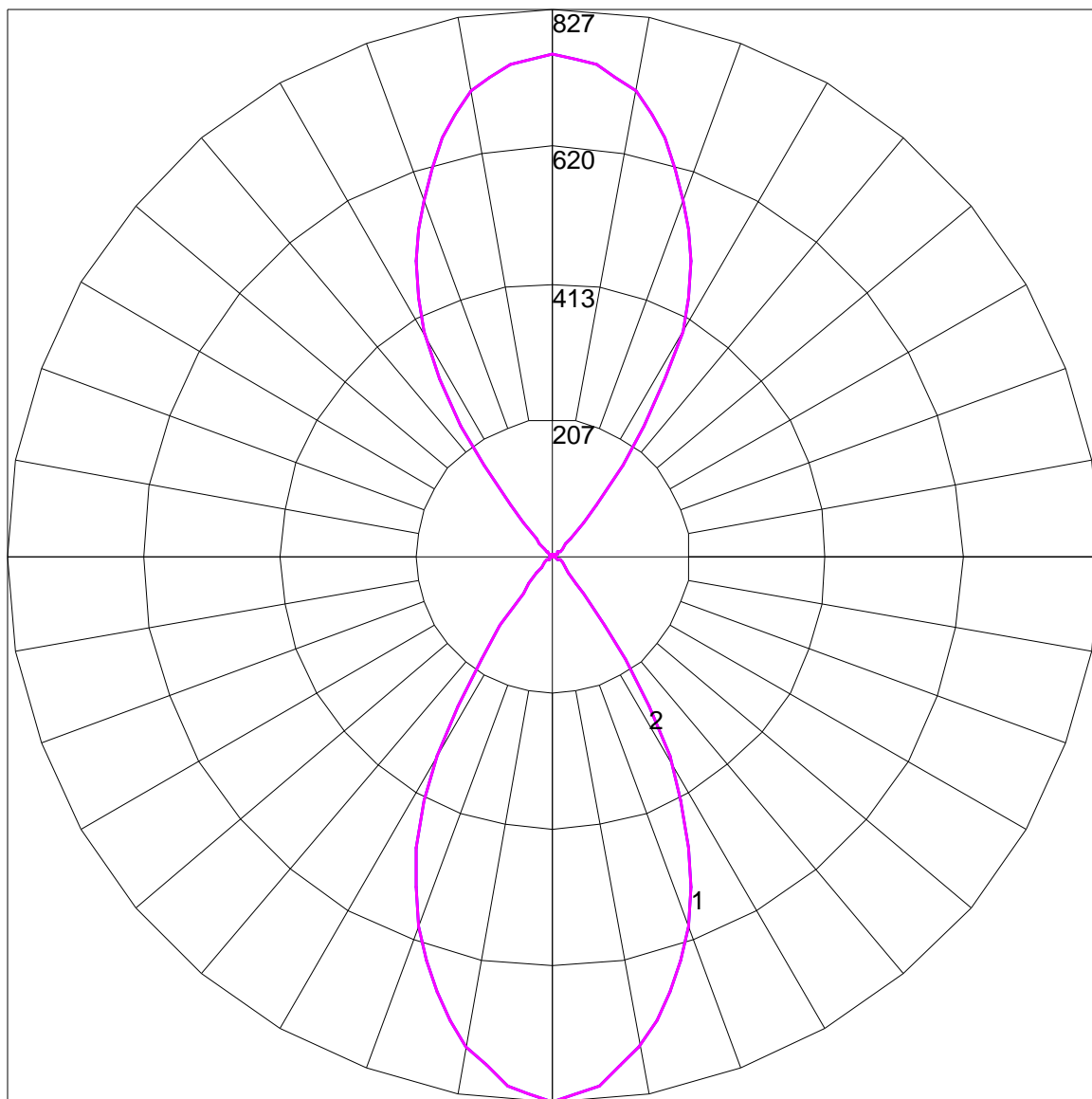
Effective Floor Cavity Reflectance 0.20

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 = 826.564 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)