

IES INDOOR REPORT**PHOTOMETRIC FILENAME : DP12LEDXT-20LXXKEX-XXXX-XX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00557_M-20L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 4/25/2017
[UPDATE] 5/3/2017
[LUMINAIRE] 11.5" diam. x 14.6" high, curved profile, white glass pendant
[LUMCAT] DP12LEDXT-20L-xxK-EX-xxxx-xx
[OTHER] Matte white glass, Open aperture
[OTHER] Fully regressed LED module
[OTHER] 68.6 Degree Beam Angle
[LAMP] N/A, Min. 83 CRI
[LAMPCAT] N/A
[OTHER] Total Luminaire Watts is approximate
[OTHER] For adjacent LED driver compartment: RDC5 or CP13
[OTHER] For mounting hardware: CD, HM, HMAT, or PM
[OTHER] Xicato LED lumen output is the same for all available color temperatures
[OTHER] This report generated by Spectrum Lighting, scaled from 30L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1774
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	21.7
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	0.98
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.96 ft (Diameter)
Luminous Width (90-270)	0.96 ft (Diameter)
Luminous Height	0.72 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1626	1657	1711
55	1238	1269	1298
65	992	1008	1046
75	864	879	898
85	801	822	852

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	979.909	979.909	979.909	979.909	979.909	979.909	979.909	979.909	979.909	979.909
5	965.468	969.262	967.586	970.389	968.884	970.389	967.586	969.262	965.468	969.262
10	942.158	943.948	943.871	943.385	942.592	943.385	943.871	943.948	942.158	943.948
15	907.078	909.156	907.376	908.309	905.196	908.309	907.376	909.156	907.078	909.156
20	856.141	861.718	858.809	862.046	857.134	862.046	858.809	861.718	856.141	861.718
25	806.116	811.891	809.909	813.046	808.659	813.046	809.909	811.891	806.116	811.891
30	761.734	764.910	763.304	758.114	763.615	758.114	763.304	764.910	761.734	764.910
35	430.419	447.314	408.855	475.576	426.696	475.576	408.855	447.314	430.419	447.314
40	183.272	200.169	197.013	190.494	192.800	190.494	197.013	200.169	183.272	200.169
45	151.302	153.188	154.150	157.641	159.192	157.641	154.150	153.188	151.302	153.188
50	131.097	134.429	133.451	137.979	137.868	137.979	133.451	134.429	131.097	134.429
55	113.000	116.872	115.773	118.556	118.457	118.556	115.773	116.872	113.000	116.872
60	99.206	100.240	99.933	101.744	101.296	101.744	99.933	100.240	99.206	100.240
65	85.979	89.007	87.384	89.103	90.652	89.103	87.384	89.007	85.979	89.007
70	76.079	79.047	78.381	79.439	78.453	79.439	78.381	79.047	76.079	79.047
75	68.703	70.406	69.853	71.488	71.420	71.488	69.853	70.406	68.703	70.406
80	62.124	63.713	64.809	64.765	63.543	64.765	64.809	63.713	62.124	63.713
85	56.020	56.809	57.475	59.051	59.540	59.051	57.475	56.809	56.020	56.809
90	52.064	54.398	54.637	56.213	56.411	56.213	54.637	54.398	52.064	54.398
95	55.185	56.772	58.682	57.604	59.117	57.604	58.682	56.772	55.185	56.772
100	57.636	60.599	61.974	63.843	63.122	63.843	61.974	60.599	57.636	60.599
105	61.126	61.966	64.818	64.847	65.541	64.847	64.818	61.966	61.126	61.966
110	63.737	65.566	67.896	68.704	68.302	68.704	67.896	65.566	63.737	65.566
115	64.323	67.571	69.268	70.560	70.926	70.560	69.268	67.571	64.323	67.571
120	63.334	66.431	70.144	72.781	70.528	72.781	70.144	66.431	63.334	66.431
125	54.820	62.568	70.128	72.797	67.750	72.797	70.128	62.568	54.820	62.568
130	38.031	46.264	65.287	73.408	65.410	73.408	65.287	46.264	38.031	46.264
135	21.146	30.878	53.641	69.092	60.912	69.092	53.641	30.878	21.146	30.878
140	8.807	14.867	36.924	55.956	53.119	55.956	36.924	14.867	8.807	14.867
145	3.788	5.680	20.734	39.489	40.362	39.489	20.734	5.680	3.788	5.680
150	2.549	2.922	10.093	24.070	25.783	24.070	10.093	2.922	2.549	2.922
155	2.580	2.699	5.098	10.853	12.703	10.853	5.098	2.699	2.580	2.699
160	2.587	2.793	2.999	4.554	4.787	4.554	2.999	2.793	2.587	2.793
165	3.027	2.643	2.815	3.171	2.331	3.171	2.815	2.643	3.027	2.643
170	2.539	2.403	2.997	3.250	2.710	3.250	2.997	2.403	2.539	2.403
175	2.963	2.979	2.567	2.518	3.108	2.518	2.567	2.979	2.963	2.979
180	2.667	2.667	2.667	2.667	2.667	2.667	2.667	2.667	2.667	2.667

**Vert.
Angles**

Horizontal Angles

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	979.909	979.909	979.909	979.909	979.909	979.909	979.909
5	967.586	970.389	968.884	970.389	967.586	969.262	965.468
10	943.871	943.385	942.592	943.385	943.871	943.948	942.158
15	907.376	908.309	905.196	908.309	907.376	909.156	907.078
20	858.809	862.046	857.134	862.046	858.809	861.718	856.141
25	809.909	813.046	808.659	813.046	809.909	811.891	806.116
30	763.304	758.114	763.615	758.114	763.304	764.910	761.734
35	408.855	475.576	426.696	475.576	408.855	447.314	430.419
40	197.013	190.494	192.800	190.494	197.013	200.169	183.272
45	154.150	157.641	159.192	157.641	154.150	153.188	151.302
50	133.451	137.979	137.868	137.979	133.451	134.429	131.097
55	115.773	118.556	118.457	118.556	115.773	116.872	113.000
60	99.933	101.744	101.296	101.744	99.933	100.240	99.206

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CANDELA TABULATION - (Cont.)

65	87.384	89.103	90.652	89.103	87.384	89.007	85.979
70	78.381	79.439	78.453	79.439	78.381	79.047	76.079
75	69.853	71.488	71.420	71.488	69.853	70.406	68.703
80	64.809	64.765	63.543	64.765	64.809	63.713	62.124
85	57.475	59.051	59.540	59.051	57.475	56.809	56.020
90	54.637	56.213	56.411	56.213	54.637	54.398	52.064
95	58.682	57.604	59.117	57.604	58.682	56.772	55.185
100	61.974	63.843	63.122	63.843	61.974	60.599	57.636
105	64.818	64.847	65.541	64.847	64.818	61.966	61.126
110	67.896	68.704	68.302	68.704	67.896	65.566	63.737
115	69.268	70.560	70.926	70.560	69.268	67.571	64.323
120	70.144	72.781	70.528	72.781	70.144	66.431	63.334
125	70.128	72.797	67.750	72.797	70.128	62.568	54.820
130	65.287	73.408	65.410	73.408	65.287	46.264	38.031
135	53.641	69.092	60.912	69.092	53.641	30.878	21.146
140	36.924	55.956	53.119	55.956	36.924	14.867	8.807
145	20.734	39.489	40.362	39.489	20.734	5.680	3.788
150	10.093	24.070	25.783	24.070	10.093	2.922	2.549
155	5.098	10.853	12.703	10.853	5.098	2.699	2.580
160	2.999	4.554	4.787	4.554	2.999	2.793	2.587
165	2.815	3.171	2.331	3.171	2.815	2.643	3.027
170	2.997	3.250	2.710	3.250	2.997	2.403	2.539
175	2.567	2.518	3.108	2.518	2.567	2.979	2.963
180	2.667	2.667	2.667	2.667	2.667	2.667	2.667

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	347.17	N.A.	19.60
0-30	721.40	N.A.	40.70
0-40	1004.23	N.A.	56.60
0-60	1232.45	N.A.	69.50
0-80	1395.6	N.A.	78.70
0-90	1459.55	N.A.	82.30
10-90	1367.86	N.A.	77.10
20-40	657.06	N.A.	37.00
20-50	780.30	N.A.	44.00
40-70	316.45	N.A.	17.80
60-80	163.15	N.A.	9.20
70-80	74.93	N.A.	4.20
80-90	63.94	N.A.	3.60
90-110	130.94	N.A.	7.40
90-120	198.83	N.A.	11.20
90-130	257.58	N.A.	14.50
90-150	309.38	N.A.	17.40
90-180	314.01	N.A.	17.70
110-180	183.07	N.A.	10.30
0-180	1773.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	91.69
10-20	255.48
20-30	374.23
30-40	282.83
40-50	123.24
50-60	104.98
60-70	88.23
70-80	74.93
80-90	63.94
90-100	63.19
100-110	67.75
110-120	67.89
120-130	58.75
130-140	37.22
140-150	14.58
150-160	3.51
160-170	0.86
170-180	0.27

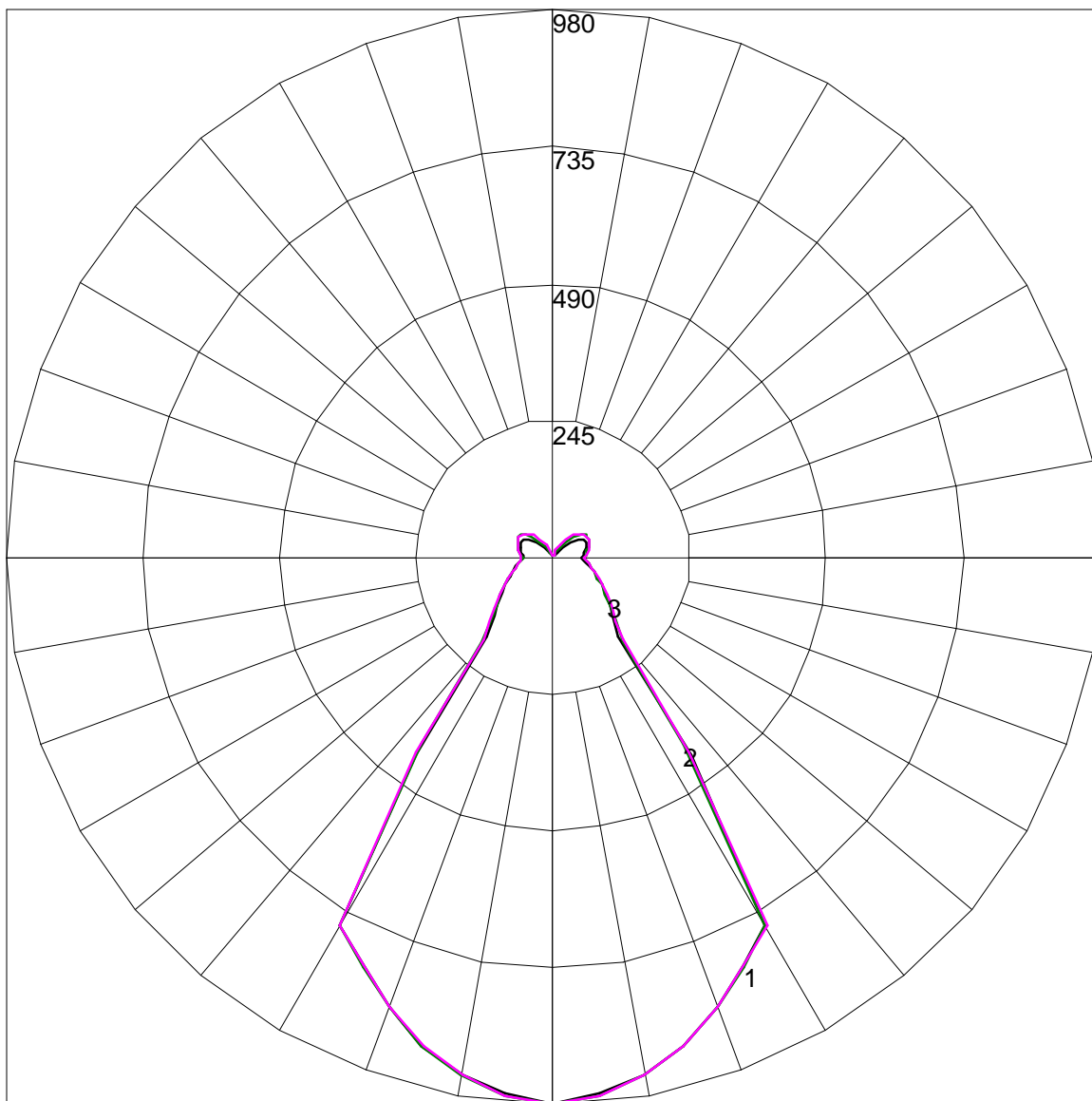
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	82
1	106	101	97	94	101	97	94	91	90	87	85	83	81	79	77	75	74	70
2	98	90	85	80	93	87	82	77	81	77	73	75	72	69	70	67	65	62
3	91	82	75	69	87	79	72	67	73	68	64	68	64	61	64	61	58	55
4	84	74	67	61	81	72	65	60	67	62	57	63	58	54	59	55	52	50
5	79	68	60	55	76	66	59	53	62	56	51	58	53	49	55	51	47	45
6	74	62	55	49	71	60	53	48	57	51	47	54	49	45	51	47	43	41
7	69	58	50	45	66	56	49	44	53	47	43	50	45	41	47	43	40	38
8	65	53	46	41	63	52	45	40	49	43	39	47	42	38	44	40	37	35
9	61	50	42	38	59	48	42	37	46	40	36	44	39	35	42	37	34	32
10	58	46	39	35	56	45	39	34	43	37	33	41	36	33	39	35	32	30

POLAR GRAPH



Maximum Candela = 979.909 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (45 - 225)

3 - Vertical Plane Through Horizontal Angles (90 - 270)