

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P559678

Luminaire Tested: **DL2-BB-M-125U-100D-930-UNV-STD-W-4**

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-08
Report Number: P559678
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-13, G3-2104-222-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DL2-BB-M-125U-100D-930-UNV-STD-W-4
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

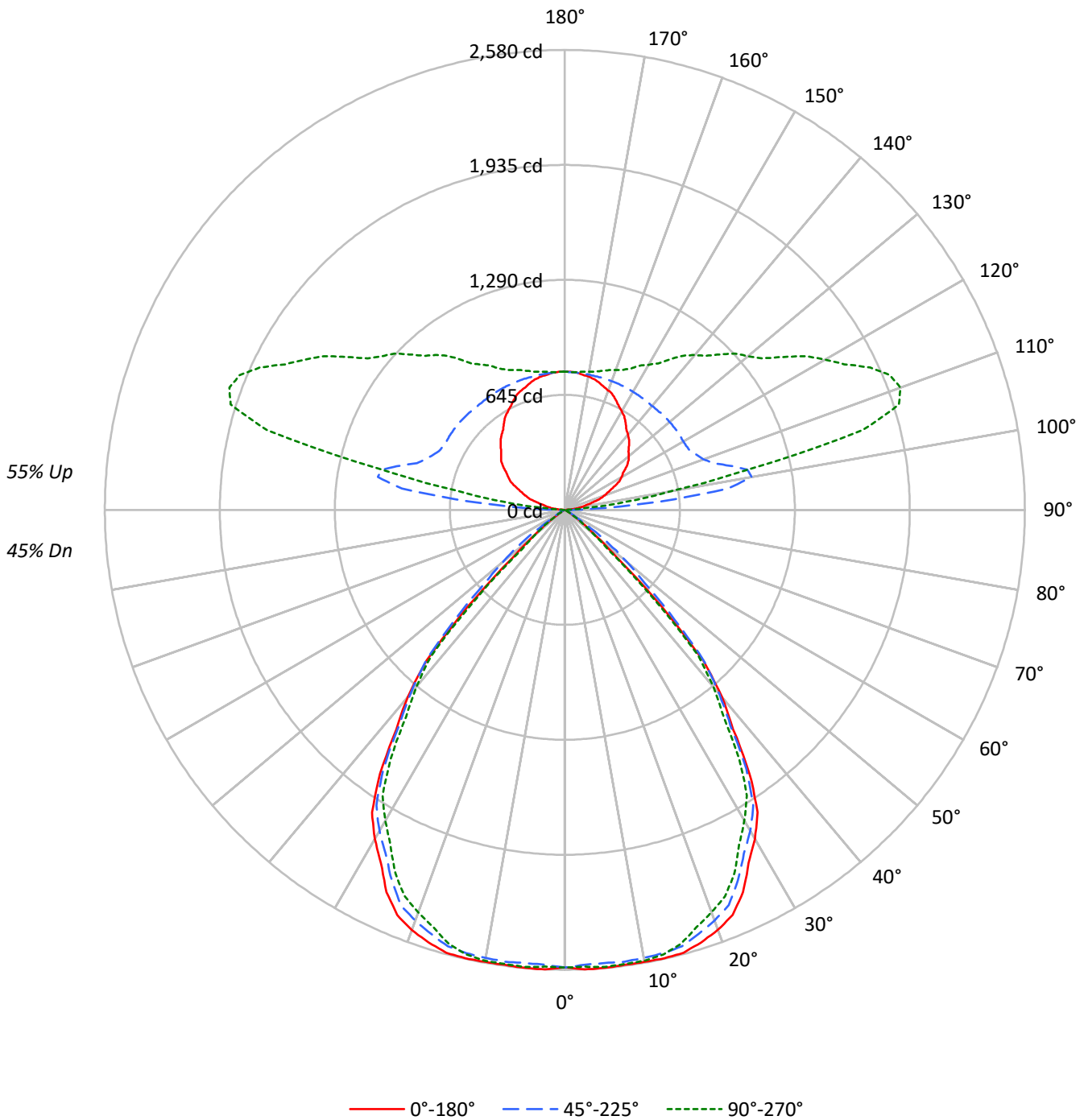
Lumens per Lamp: N/A
Luminaire Lumens: 8622.1 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 82
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	45				45
1	98	95	91	89	90	87	84	82	73	71	69	60	59	58	48	47	47	41				41
2	91	85	80	75	84	78	74	70	66	63	61	55	53	51	44	43	42	37				37
3	84	76	70	65	77	71	65	61	60	56	53	50	48	46	41	40	38	34				34
4	78	69	62	57	72	64	58	54	55	50	47	46	43	41	38	36	35	31				31
5	72	62	55	50	67	58	52	47	50	45	42	42	39	37	35	33	31	28				28
6	67	57	50	44	62	53	47	42	46	41	38	39	36	33	33	30	29	26				26
7	63	52	45	40	58	48	42	38	42	37	34	36	33	30	30	28	26	24				24
8	58	47	40	36	54	44	38	34	39	34	31	33	30	27	28	26	24	22				22
9	55	44	37	32	51	41	35	31	36	31	28	31	27	25	26	24	22	20				20
10	51	40	34	29	47	38	32	28	33	29	25	29	25	23	25	22	20	18				18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	41453	41453	41453
5°	41814	41362	41705
10°	42219	41840	42109
15°	42995	42369	42111
20°	43105	42146	41287
25°	42140	40889	40084
30°	39724	38773	37535
35°	35589	34962	33559
40°	28871	28384	27269
45°	17571	19922	15771
50°	5606	11261	5122
55°	1951	4090	2004
60°	155	1182	32
65°	0	73	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.4	2.8
10°-20°	717.5	8.3
20°-30°	1057.6	12.3
30°-40°	1083.0	12.6
40°-50°	624.1	7.2
50°-60°	109.3	1.3
60°-70°	4.2	0.0
70°-80°	0.0	0.0
80°-90°	1.1	0.0
90°-100°	296.4	3.4
100°-110°	964.9	11.2
110°-120°	954.5	11.1
120°-130°	780.0	9.0
130°-140°	637.5	7.4
140°-150°	496.5	5.8
150°-160°	357.9	4.2
160°-170°	218.8	2.5
170°-180°	73.8	0.9
0°-30°	2020.4	23.4
0°-40°	3103.4	36.0
0°-60°	3836.8	44.5
0°-90°	3842.1	44.6
90°-120°	2215.8	25.7
90°-150°	4129.8	47.9
90°-180°	4780.0	55.4
0°-180°	8622.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2567	2567	2567	2567	2567	
5°	2580	2574	2552	2583	2573	246
15°	2572	2593	2535	2534	2519	724
25°	2365	2383	2295	2274	2250	1080
35°	1806	1795	1774	1731	1703	1108
45°	770	861	872	829	691	589
55°	69	83	145	79	71	77
65°	0	1	2	1	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	3	7	6	6	2
95°	40	122	543	194	119	47
105°	164	237	956	1826	1729	175
115°	303	362	779	1605	1888	300
125°	421	470	768	1267	1493	375
135°	509	562	764	1093	1233	393
145°	595	638	762	942	1031	372
155°	678	701	767	843	875	313
165°	740	747	769	798	807	209
175°	772	772	772	778	776	73
180°	775	775	775	775	775	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2567.4	2567.4	2567.4	2567.4	2567.4
2.5°	2580.5	2573.7	2553.6	2574.1	2565.1
5°	2579.9	2574.3	2552.0	2582.6	2573.2
7.5°	2575.1	2573.8	2556.6	2580.6	2569.9
10°	2575.1	2579.8	2552.0	2576.8	2568.4
12.5°	2576.6	2587.4	2547.4	2566.7	2554.5
15°	2572.2	2592.9	2534.7	2534.4	2519.3
17.5°	2543.4	2567.8	2494.5	2474.6	2454.5
20°	2508.7	2536.9	2452.9	2424.5	2402.9
22.5°	2458.7	2486.2	2400.6	2368.4	2346.7
25°	2365.4	2383.3	2295.2	2274.4	2250.0
27.5°	2233.0	2243.6	2175.1	2139.2	2117.2
30°	2130.7	2138.2	2079.7	2040.6	2013.3
32.5°	2012.2	2009.2	1966.6	1926.7	1901.0
35°	1805.6	1795.2	1773.8	1730.8	1702.6
37.5°	1551.4	1549.5	1528.3	1491.1	1461.6
40°	1369.8	1367.9	1346.7	1313.6	1293.8
42.5°	1149.7	1185.4	1160.5	1119.8	1107.6
45°	769.5	860.8	872.5	828.9	690.7
47.5°	397.1	519.0	607.6	473.2	327.8
50°	223.2	313.5	448.3	253.8	203.9
52.5°	145.4	189.1	312.8	162.0	137.0
55°	69.3	83.4	145.3	78.7	71.2
57.5°	24.8	38.4	63.5	38.9	24.0
60°	4.8	16.1	36.6	11.3	1.0
62.5°	1.7	4.7	21.2	3.0	1.0
65°	0.0	0.9	1.9	0.9	0.0
67.5°	0.0	0.8	0.8	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.6	1.3	1.1	1.1
90°	0.0	2.8	6.7	5.7	5.7
92.5°	13.7	49.3	157.6	52.0	40.0
95°	40.0	122.0	543.2	193.7	119.1
97.5°	75.3	158.8	921.9	561.5	342.7
100°	98.2	180.2	1064.5	949.2	615.6
102.5°	124.1	203.1	1047.0	1404.3	1067.7
105°	163.9	236.6	955.9	1825.6	1728.7
107.5°	207.0	275.4	869.3	1862.2	1964.9
110°	238.2	300.7	828.2	1816.8	2002.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	264.2	325.9	802.2	1734.9	1974.0
115°	303.1	361.8	778.6	1604.6	1887.9
117.5°	343.1	396.0	769.4	1485.3	1767.2
120°	365.9	418.1	767.2	1411.9	1684.9
122.5°	388.1	439.5	767.9	1348.2	1602.6
125°	421.2	469.7	768.1	1266.9	1493.3
127.5°	449.6	499.2	767.9	1206.0	1394.8
130°	467.9	518.2	767.2	1171.3	1339.9
132.5°	483.9	536.5	766.4	1139.0	1297.2
135°	508.9	562.0	764.3	1093.4	1233.2
137.5°	533.3	586.8	762.2	1047.1	1171.2
140°	550.8	602.1	761.4	1015.7	1133.1
142.5°	567.6	616.6	761.4	985.7	1090.4
145°	594.7	638.5	762.4	941.7	1031.1
147.5°	621.0	659.0	763.7	904.2	973.4
150°	638.5	672.1	765.3	881.9	940.6
152.5°	656.0	683.6	766.0	864.9	911.6
155°	678.5	700.9	767.2	843.2	874.8
157.5°	699.9	715.9	768.3	827.1	849.3
160°	712.8	725.9	769.1	817.1	834.8
162.5°	724.3	734.3	769.1	808.6	821.9
165°	740.5	747.0	769.1	797.9	807.2
167.5°	751.9	756.0	769.3	789.8	794.6
170°	759.5	761.4	770.0	784.4	786.2
172.5°	764.9	766.0	771.5	781.3	780.9
175°	771.9	771.9	771.9	777.6	775.7
177.5°	774.8	774.0	773.3	777.0	774.0
180°	774.8	774.8	774.8	774.8	774.8

(END OF REPORT)