

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: P559679

Luminaire Tested: **DL2-BB-M-125U-100D-935-UNV-STD-W-4**

Issue Date: 3/5/2020

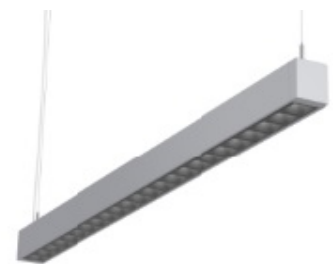
Test Information

Test Method: LM-79-08
Report Number: P559679
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-935-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

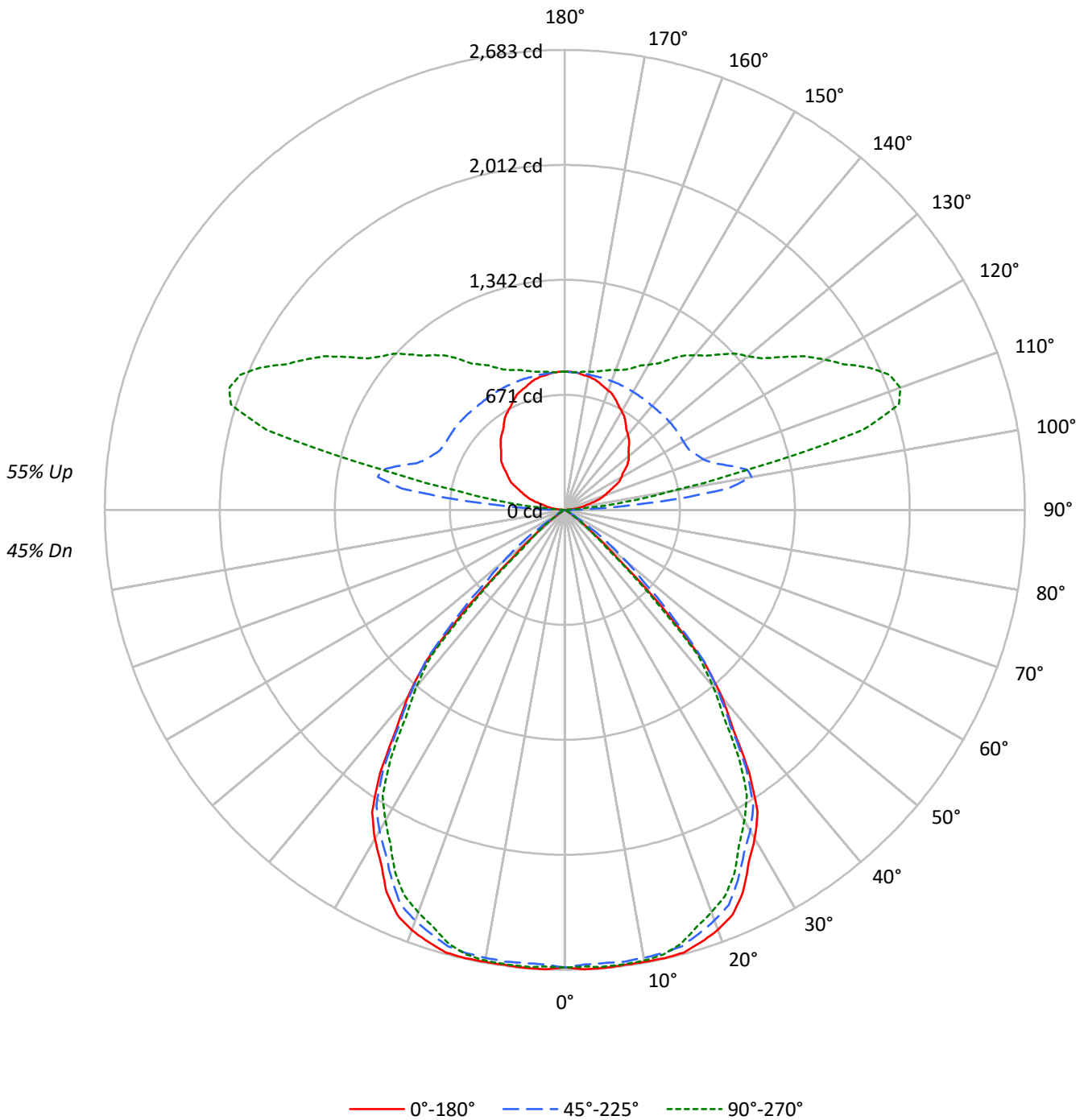
Lumens per Lamp: N/A
Luminaire Lumens: 8964.6 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	43100	43100	43100
5°	43475	43005	43362
10°	43896	43502	43781
15°	44704	44052	43784
20°	44818	43821	42928
25°	43814	42512	41675
30°	41301	40313	39027
35°	37002	36352	34893
40°	30018	29512	28353
45°	18269	20712	16397
50°	5827	11708	5325
55°	2027	4251	2083
60°	161	1227	32
65°	0	76	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°	255.1	2.8
10°-20°	746.0	8.3
20°-30°	1099.6	12.3
30°-40°	1126.0	12.6
40°-50°	648.9	7.2
50°-60°	113.6	1.3
60°-70°	4.4	0.0
70°-80°	0.0	0.0
80°-90°	1.2	0.0
90°-100°	308.2	3.4
100°-110°	1003.2	11.2
110°-120°	992.4	11.1
120°-130°	811.0	9.0
130°-140°	662.8	7.4
140°-150°	516.3	5.8
150°-160°	372.1	4.2
160°-170°	227.4	2.5
170°-180°	76.7	0.9
0°-30°	2100.7	23.4
0°-40°	3226.7	36.0
0°-60°	3989.2	44.5
0°-90°	3994.7	44.6
90°-120°	2303.8	25.7
90°-150°	4293.8	47.9
90°-180°	4970.0	55.4
0°-180°	8964.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2669	2669	2669	2669	2669	
5°	2682	2676	2653	2685	2675	256
15°	2674	2696	2635	2635	2619	753
25°	2459	2478	2386	2365	2339	1122
35°	1877	1866	1844	1800	1770	1152
45°	800	895	907	862	718	612
55°	72	87	151	82	74	80
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°	42	127	565	201	124	48
105°	170	246	994	1898	1797	182
115°	315	376	810	1668	1963	312
125°	438	488	799	1317	1553	390
135°	529	584	795	1137	1282	409
145°	618	664	793	979	1072	387
155°	706	729	798	877	910	325
165°	770	777	800	830	839	217
175°	803	803	803	808	806	76
180°	806	806	806	806	806	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2669.4	2669.4	2669.4	2669.4	2669.4
2.5°	2683.0	2675.9	2655.0	2676.4	2667.0
5°	2682.4	2676.5	2653.4	2685.2	2675.4
7.5°	2677.4	2676.0	2658.2	2683.1	2672.0
10°	2677.4	2682.3	2653.4	2679.2	2670.4
12.5°	2679.0	2690.1	2648.6	2668.7	2656.0
15°	2674.4	2695.9	2635.4	2635.0	2619.4
17.5°	2644.4	2669.8	2593.6	2572.9	2552.0
20°	2608.4	2637.7	2550.4	2520.9	2498.4
22.5°	2556.4	2584.9	2496.0	2462.4	2439.9
25°	2459.4	2477.9	2386.3	2364.8	2339.3
27.5°	2321.7	2332.7	2261.5	2224.2	2201.3
30°	2215.3	2223.1	2162.3	2121.7	2093.3
32.5°	2092.1	2089.0	2044.7	2003.3	1976.5
35°	1877.3	1866.5	1844.3	1799.6	1770.3
37.5°	1613.0	1611.1	1589.0	1550.3	1519.6
40°	1424.2	1422.2	1400.2	1365.7	1345.2
42.5°	1195.4	1232.5	1206.6	1164.3	1151.6
45°	800.1	895.0	907.1	861.9	718.1
47.5°	412.9	539.6	631.7	492.0	340.8
50°	232.0	325.9	466.1	263.9	212.0
52.5°	151.2	196.6	325.2	168.4	142.4
55°	72.0	86.7	151.0	81.8	74.0
57.5°	25.8	39.9	66.0	40.5	25.0
60°	5.0	16.7	38.0	11.8	1.0
62.5°	1.8	4.9	22.0	3.2	1.0
65°	0.0	1.0	2.0	1.0	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	1.4	1.2	1.2
90°	0.0	2.9	6.9	5.9	5.9
92.5°	14.3	51.3	163.9	54.0	41.6
95°	41.6	126.9	564.8	201.4	123.9
97.5°	78.3	165.1	958.5	583.8	356.3
100°	102.1	187.3	1106.8	986.9	640.1
102.5°	129.0	211.2	1088.5	1460.1	1110.1
105°	170.4	246.0	993.8	1898.2	1797.4
107.5°	215.2	286.3	903.9	1936.2	2042.9
110°	247.7	312.6	861.0	1889.0	2081.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	274.7	338.8	834.1	1803.8	2052.4
115°	315.1	376.1	809.5	1668.3	1962.9
117.5°	356.7	411.7	800.0	1544.3	1837.4
120°	380.5	434.7	797.6	1468.0	1751.8
122.5°	403.5	457.0	798.4	1401.7	1666.2
125°	438.0	488.3	798.6	1317.2	1552.7
127.5°	467.5	519.0	798.4	1253.9	1450.2
130°	486.5	538.8	797.6	1217.8	1393.1
132.5°	503.2	557.8	796.8	1184.2	1348.7
135°	529.1	584.3	794.7	1136.8	1282.2
137.5°	554.5	610.1	792.5	1088.7	1217.8
140°	572.7	626.0	791.7	1056.0	1178.1
142.5°	590.1	641.1	791.7	1024.8	1133.7
145°	618.3	663.8	792.7	979.1	1072.1
147.5°	645.6	685.2	794.1	940.2	1012.1
150°	663.9	698.7	795.7	916.9	978.0
152.5°	682.1	710.8	796.4	899.2	947.8
155°	705.5	728.7	797.6	876.7	909.6
157.5°	727.7	744.3	798.8	860.0	883.0
160°	741.2	754.7	799.6	849.6	868.0
162.5°	753.0	763.5	799.6	840.7	854.5
165°	769.9	776.7	799.6	829.6	839.2
167.5°	781.8	786.0	799.8	821.1	826.2
170°	789.7	791.6	800.6	815.5	817.4
172.5°	795.3	796.4	802.2	812.3	811.9
175°	802.6	802.6	802.6	808.5	806.5
177.5°	805.6	804.8	804.0	807.9	804.8
180°	805.6	805.6	805.6	805.6	805.6

(END OF REPORT)