

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: P559672

Luminaire Tested: **DL2-BB-M-125U-050D-930-UNV-STD-W-4**

Issue Date: 3/5/2020

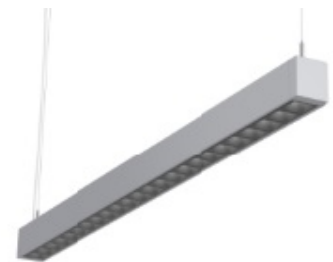
**Test Information**

Test Method: LM-79-08  
Report Number: P559672  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-13, G3-2104-222-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/5/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: DL2-BB-M-125U-050D-930-UNV-STD-W-4  
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE  
DOWNLIGHT 500 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

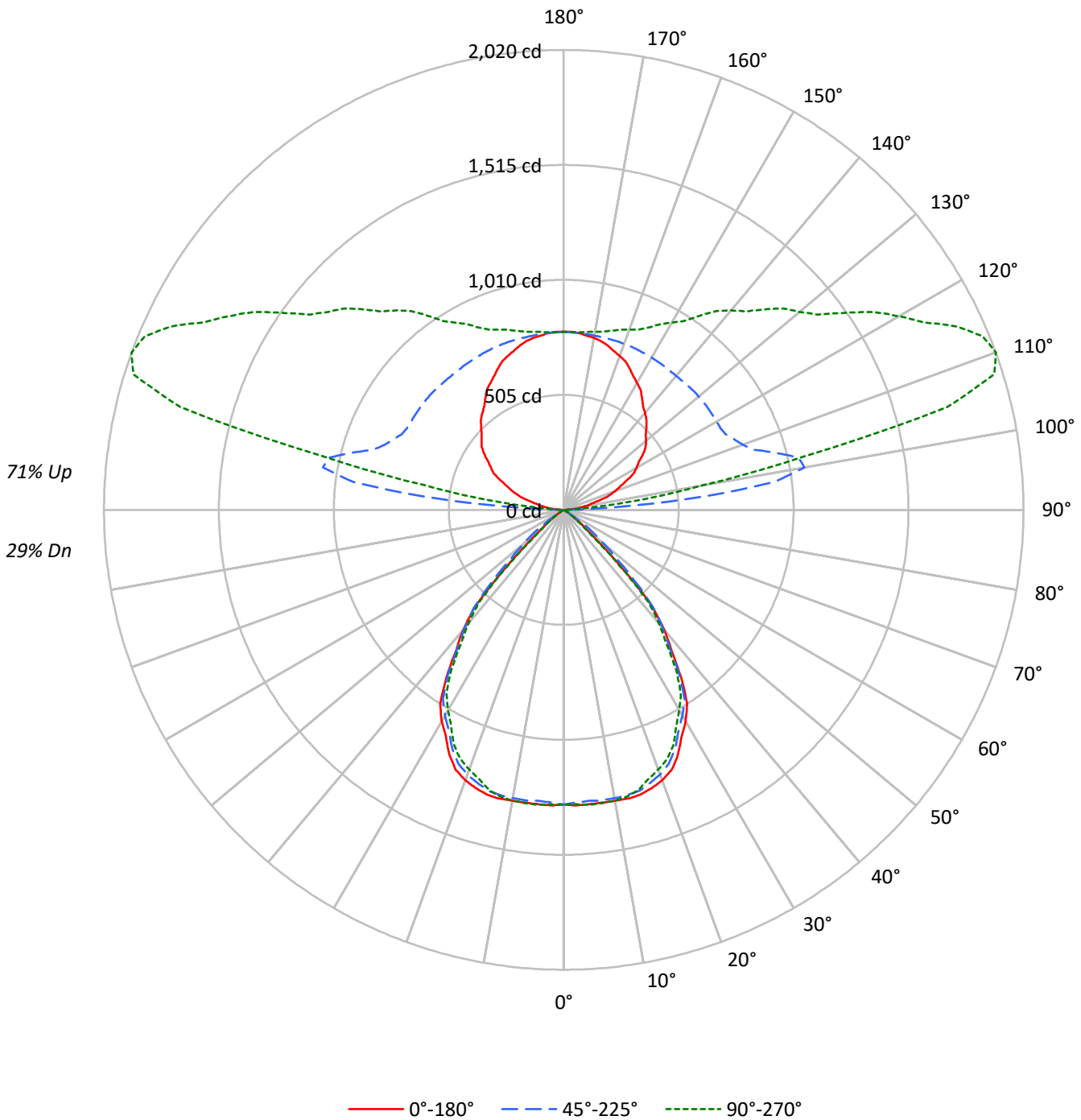
Lumens per Lamp: N/A  
Luminaire Lumens: 6756.6 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 62  
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	102	102	102	102	91	91	91	91	71	71	71	53	53	53	36	36	36	29				
1	94	90	87	84	84	81	78	76	64	62	61	48	47	46	34	33	33	26				
2	87	80	75	71	78	72	68	64	58	55	52	44	42	41	31	30	30	24				
3	80	72	65	60	72	65	59	55	52	48	45	40	38	36	29	28	27	22				
4	74	64	57	52	66	58	52	48	47	43	40	36	34	32	27	25	24	20				
5	68	58	50	45	61	52	46	42	42	38	35	33	30	28	25	23	22	18				
6	63	52	45	40	57	47	41	37	39	34	31	30	28	25	23	21	20	17				
7	58	47	40	35	52	43	37	33	35	31	28	28	25	23	21	19	18	15				
8	54	43	36	31	49	39	33	29	32	28	25	26	23	21	20	18	16	14				
9	51	39	33	28	46	36	30	26	30	25	22	24	21	19	18	16	15	13				
10	47	36	30	25	43	33	27	24	28	23	20	22	19	17	17	15	14	12				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	20893	20893	20893
5°	21034	20801	21067
10°	21277	21089	21263
15°	21661	21372	21275
20°	21722	21258	20861
25°	21150	20635	20311
30°	19982	19443	18923
35°	17712	17503	17010
40°	14459	14254	13687
45°	8524	10061	7930
50°	2876	5606	2562
55°	974	2004	1030
60°	94	591	32
65°	0	38	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°	123.6	1.8
10°-20°	361.9	5.4
20°-30°	532.6	7.9
30°-40°	544.1	8.1
40°-50°	312.8	4.6
50°-60°	54.7	0.8
60°-70°	2.0	0.0
70°-80°	0.0	0.0
80°-90°	1.1	0.0
90°-100°	299.1	4.4
100°-110°	973.7	14.4
110°-120°	963.2	14.3
120°-130°	787.1	11.6
130°-140°	643.3	9.5
140°-150°	501.1	7.4
150°-160°	361.2	5.3
160°-170°	220.8	3.3
170°-180°	74.5	1.1
0°-30°	1018.1	15.1
0°-40°	1562.3	23.1
0°-60°	1929.8	28.6
0°-90°	1933.0	28.6
90°-120°	2236.0	33.1
90°-150°	4167.5	61.7
90°-180°	4824.0	71.4
0°-180°	6756.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1294	1294	1294	1294	1294	
5°	1298	1295	1283	1302	1300	124
15°	1296	1307	1279	1279	1273	365
25°	1187	1198	1158	1146	1140	543
35°	899	903	888	873	863	554
45°	373	434	441	418	347	292
55°	35	41	71	40	37	39
65°	0	0	1	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	3	7	6	6	2
95°	40	123	548	195	120	47
105°	165	239	965	1842	1744	176
115°	306	365	786	1619	1905	303
125°	425	474	775	1278	1507	378
135°	514	567	771	1103	1244	397
145°	600	644	769	950	1040	376
155°	685	707	774	851	883	315
165°	747	754	776	805	814	210
175°	779	779	779	785	783	74
180°	782	782	782	782	782	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1294.0	1294.0	1294.0	1294.0	1294.0
2.5°	1299.4	1296.4	1286.3	1297.8	1294.8
5°	1297.8	1295.0	1283.4	1301.6	1299.8
7.5°	1297.1	1294.8	1287.1	1302.9	1299.2
10°	1297.8	1297.8	1286.3	1300.6	1296.9
12.5°	1299.4	1303.1	1284.0	1295.2	1289.9
15°	1295.9	1307.2	1278.6	1279.4	1272.8
17.5°	1281.9	1297.1	1258.0	1248.7	1238.8
20°	1264.2	1280.2	1237.2	1222.6	1214.1
22.5°	1237.2	1252.5	1207.2	1194.9	1185.7
25°	1187.2	1197.5	1158.3	1145.7	1140.1
27.5°	1121.8	1127.0	1092.9	1079.8	1070.4
30°	1071.8	1071.8	1042.9	1028.2	1015.0
32.5°	1009.4	1006.4	987.5	970.5	958.0
35°	898.6	903.3	888.0	873.3	863.0
37.5°	776.0	780.5	764.8	748.1	741.0
40°	686.0	689.7	676.3	658.8	649.4
42.5°	575.1	595.4	583.2	564.1	551.7
45°	373.3	434.4	440.6	417.9	347.3
47.5°	194.5	258.5	305.6	233.4	163.6
50°	114.5	155.9	223.2	127.4	102.0
52.5°	73.7	91.8	157.0	81.5	68.9
55°	34.6	41.2	71.2	40.3	36.6
57.5°	12.9	19.3	32.1	19.5	14.0
60°	2.9	8.5	18.3	5.7	1.0
62.5°	0.6	2.5	10.6	1.1	0.2
65°	0.0	0.0	1.0	0.0	0.0
67.5°	0.0	0.0	0.0	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	1.2	1.2
90°	0.0	2.8	6.7	5.8	5.8
92.5°	13.8	49.8	159.1	52.4	40.4
95°	40.4	123.1	548.2	195.4	120.2
97.5°	76.0	160.2	930.3	566.6	345.8
100°	99.1	181.8	1074.2	957.9	621.3
102.5°	125.2	205.0	1056.5	1417.1	1077.5
105°	165.4	238.8	964.6	1842.3	1744.5
107.5°	208.9	277.9	877.3	1879.2	1982.8
110°	240.4	303.4	835.7	1833.4	2020.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	266.6	328.8	809.5	1750.8	1992.0
115°	305.8	365.1	785.7	1619.2	1905.1
117.5°	346.2	399.6	776.5	1498.8	1783.4
120°	369.3	421.9	774.2	1424.8	1700.3
122.5°	391.6	443.5	774.9	1360.5	1617.2
125°	425.1	474.0	775.1	1278.5	1507.0
127.5°	453.7	503.7	774.9	1217.0	1407.5
130°	472.2	523.0	774.2	1181.9	1352.1
132.5°	488.3	541.4	773.4	1149.4	1309.0
135°	513.5	567.1	771.3	1103.4	1244.4
137.5°	538.2	592.1	769.2	1056.7	1181.9
140°	555.9	607.6	768.4	1025.0	1143.4
142.5°	572.8	622.2	768.4	994.7	1100.4
145°	600.1	644.3	769.4	950.3	1040.5
147.5°	626.6	665.0	770.7	912.5	982.3
150°	644.3	678.2	772.2	889.9	949.2
152.5°	662.0	689.9	773.0	872.7	920.0
155°	684.7	707.3	774.2	850.9	882.8
157.5°	706.3	722.4	775.3	834.7	857.1
160°	719.3	732.5	776.1	824.6	842.4
162.5°	730.9	741.0	776.1	816.0	829.4
165°	747.2	753.8	776.1	805.1	814.5
167.5°	758.8	762.9	776.3	797.0	801.9
170°	766.5	768.3	777.0	791.5	793.4
172.5°	771.9	773.0	778.6	788.4	788.0
175°	779.0	779.0	779.0	784.7	782.8
177.5°	781.9	781.1	780.3	784.1	781.1
180°	781.9	781.9	781.9	781.9	781.9

(END OF REPORT)