

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: P559675

Luminaire Tested: **DL2-BB-M-125U-075D-930-UNV-STD-W-4**

Issue Date: 3/5/2020

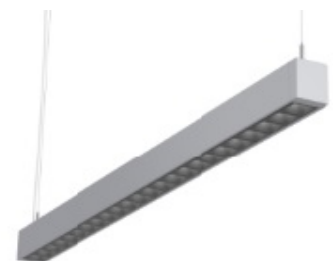
**Test Information**

Test Method: LM-79-08  
Report Number: P559675  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-13, G3-2104-222-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/5/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: DL2-BB-M-125U-075D-930-UNV-STD-W-4  
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE  
DOWNLIGHT 750 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

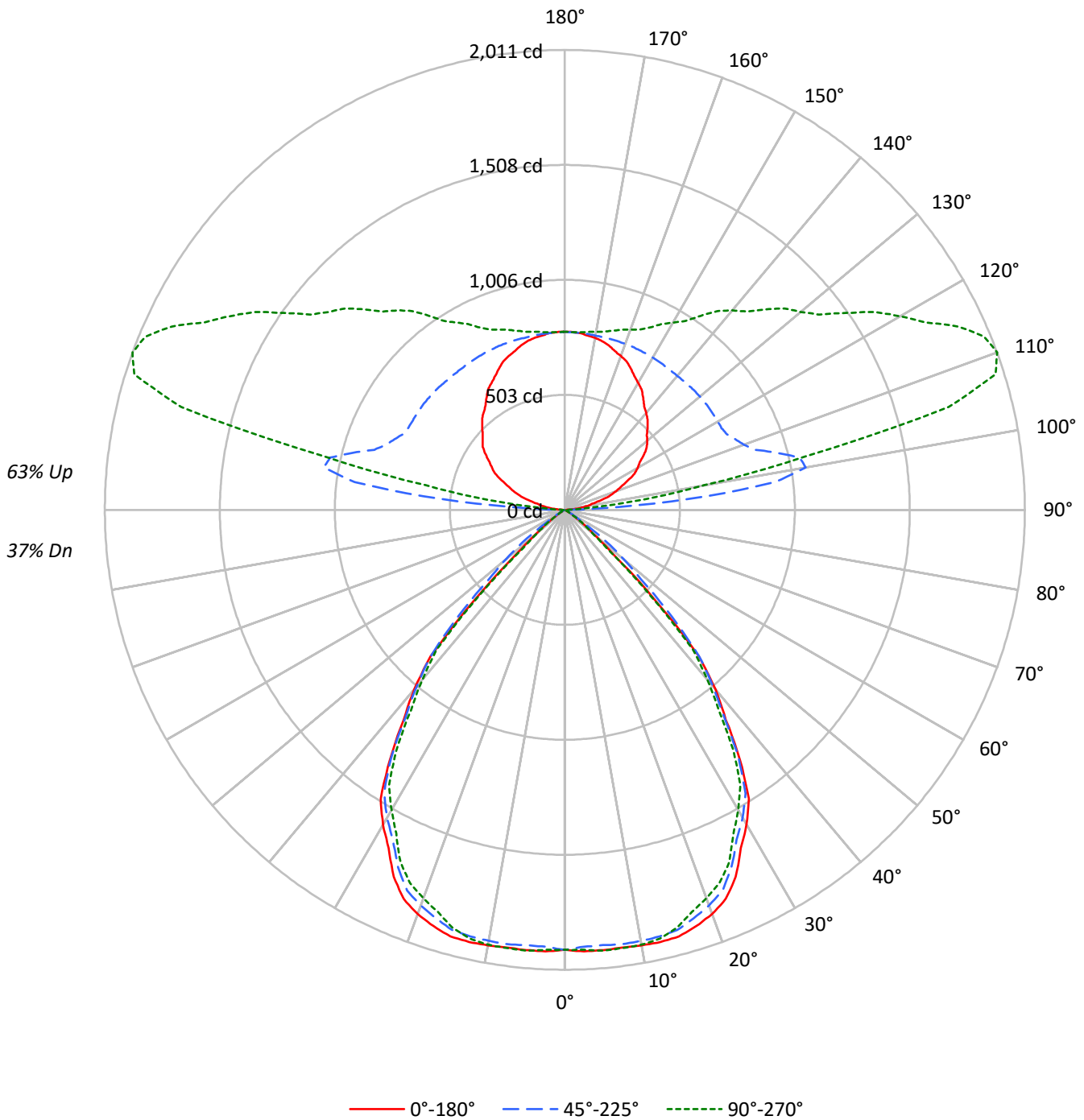
Lumens per Lamp: N/A  
Luminaire Lumens: 7679.0 lumens  
Efficiency: N/A  
Efficacy: 107.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 71.5  
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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	37
1	96	93	90	87	88	85	82	79	69	67	66	55	54	53	42	41	40	35
2	89	83	78	73	81	76	71	68	62	59	57	50	48	46	39	38	37	31
3	82	74	68	63	75	68	63	58	56	53	50	46	43	41	36	34	33	29
4	76	67	60	55	69	61	56	51	51	47	44	42	39	37	33	31	30	26
5	70	60	53	48	64	56	49	45	47	42	39	38	35	33	31	29	27	24
6	65	55	47	42	60	50	44	40	43	38	35	35	32	30	28	26	25	22
7	61	50	43	38	55	46	40	35	39	34	31	32	29	27	26	24	23	20
8	57	45	39	34	52	42	36	32	36	31	28	30	27	24	24	22	21	18
9	53	42	35	30	48	39	33	29	33	29	25	28	25	22	23	21	19	17
10	49	38	32	28	45	36	30	26	31	26	23	26	23	20	21	19	17	16

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

	0°	45°	90°
0°	31068	31068	31068
5°	31311	30968	31358
10°	31704	31373	31657
15°	32276	31793	31632
20°	32318	31639	31060
25°	31518	30713	30284
30°	29628	28981	28247
35°	26296	26087	25310
40°	21566	21201	20409
45°	12858	15120	12065
50°	4014	8390	3795
55°	1517	2981	1517
60°	94	840	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°	184.0	2.4
10°-20°	538.9	7.0
20°-30°	792.8	10.3
30°-40°	810.3	10.6
40°-50°	466.8	6.1
50°-60°	80.5	1.0
60°-70°	2.9	0.0
70°-80°	0.0	0.0
80°-90°	1.1	0.0
90°-100°	297.7	3.9
100°-110°	969.3	12.6
110°-120°	958.8	12.5
120°-130°	783.5	10.2
130°-140°	640.4	8.3
140°-150°	498.8	6.5
150°-160°	359.5	4.7
160°-170°	219.7	2.9
170°-180°	74.1	1.0
0°-30°	1515.7	19.7
0°-40°	2326.0	30.3
0°-60°	2873.3	37.4
0°-90°	2877.4	37.5
90°-120°	2225.8	29.0
90°-150°	4148.5	54.0
90°-180°	4802.0	62.5
0°-180°	7679.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1924	1924	1924	1924	1924	
5°	1932	1927	1911	1937	1935	184
15°	1931	1947	1902	1905	1892	544
25°	1769	1785	1724	1706	1700	807
35°	1334	1344	1324	1298	1284	824
45°	563	647	662	625	528	436
55°	54	61	106	60	54	57
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	546	194	120	47
105°	165	238	960	1834	1737	176
115°	304	363	782	1612	1896	301
125°	423	472	772	1273	1500	377
135°	511	565	768	1098	1239	395
145°	597	641	766	946	1036	374
155°	682	704	771	847	879	314
165°	744	750	772	802	811	209
175°	775	775	775	781	779	74
180°	778	778	778	778	778	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1924.2	1924.2	1924.2	1924.2	1924.2
2.5°	1932.6	1927.4	1911.9	1929.5	1925.7
5°	1931.9	1927.2	1910.7	1936.6	1934.8
7.5°	1930.7	1927.5	1915.9	1937.2	1932.5
10°	1933.8	1932.9	1913.6	1935.6	1930.9
12.5°	1935.3	1941.2	1911.3	1928.6	1920.1
15°	1930.9	1946.9	1902.0	1904.6	1892.4
17.5°	1909.3	1931.9	1872.2	1861.2	1843.9
20°	1880.9	1907.2	1841.4	1822.8	1807.7
22.5°	1840.8	1864.9	1802.1	1778.9	1766.9
25°	1769.2	1785.2	1724.0	1706.5	1699.9
27.5°	1667.7	1672.3	1626.2	1604.4	1595.9
30°	1589.2	1589.2	1554.5	1531.1	1515.1
32.5°	1497.6	1495.3	1470.6	1444.8	1428.8
35°	1334.1	1344.5	1323.5	1298.2	1284.1
37.5°	1157.2	1161.2	1145.3	1118.0	1106.2
40°	1023.2	1024.2	1005.9	986.2	968.3
42.5°	866.9	885.9	868.8	837.8	830.5
45°	563.1	646.9	662.2	625.4	528.4
47.5°	283.0	387.3	452.6	351.5	248.9
50°	159.8	221.9	334.0	185.9	151.1
52.5°	106.7	134.1	231.6	121.6	101.8
55°	53.9	61.4	105.9	59.6	53.9
57.5°	18.3	28.5	46.0	29.4	20.2
60°	2.9	12.3	26.0	9.4	1.0
62.5°	0.6	3.2	16.0	2.6	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	1.1	1.1
90°	0.0	2.8	6.7	5.7	5.7
92.5°	13.8	49.5	158.3	52.2	40.2
95°	40.2	122.6	545.7	194.5	119.7
97.5°	75.6	159.5	926.1	564.0	344.2
100°	98.6	181.0	1069.3	953.5	618.4
102.5°	124.6	204.0	1051.7	1410.7	1072.6
105°	164.7	237.7	960.2	1833.9	1736.6
107.5°	207.9	276.6	873.3	1870.6	1973.8
110°	239.3	302.0	831.9	1825.0	2011.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	265.4	327.3	805.9	1742.8	1983.0
115°	304.4	363.4	782.1	1611.9	1896.4
117.5°	344.6	397.8	772.9	1492.0	1775.2
120°	367.6	420.0	770.6	1418.3	1692.5
122.5°	389.8	441.5	771.4	1354.3	1609.8
125°	423.1	471.8	771.6	1272.6	1500.1
127.5°	451.7	501.5	771.4	1211.5	1401.1
130°	470.0	520.6	770.6	1176.5	1346.0
132.5°	486.1	538.9	769.9	1144.1	1303.1
135°	511.2	564.6	767.8	1098.3	1238.8
137.5°	535.7	589.4	765.7	1051.8	1176.5
140°	553.3	604.8	764.9	1020.3	1138.2
142.5°	570.2	619.4	764.9	990.1	1095.3
145°	597.4	641.4	765.8	945.9	1035.8
147.5°	623.8	662.0	767.2	908.3	977.8
150°	641.4	675.1	768.7	885.9	944.9
152.5°	659.0	686.7	769.5	868.8	915.8
155°	681.6	704.1	770.6	847.0	878.8
157.5°	703.0	719.1	771.8	830.9	853.1
160°	716.1	729.2	772.5	820.8	838.6
162.5°	727.6	737.7	772.5	812.3	825.6
165°	743.8	750.4	772.5	801.5	810.8
167.5°	755.3	759.4	772.7	793.3	798.2
170°	763.0	764.8	773.5	787.9	789.8
172.5°	768.3	769.5	775.0	784.8	784.4
175°	775.4	775.4	775.4	781.1	779.2
177.5°	778.3	777.5	776.8	780.5	777.5
180°	778.3	778.3	778.3	778.3	778.3

(END OF REPORT)