

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: P559639

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

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-08
Report Number: P559639
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-11, 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-075U-075D-930-UNV-STD-W-4
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

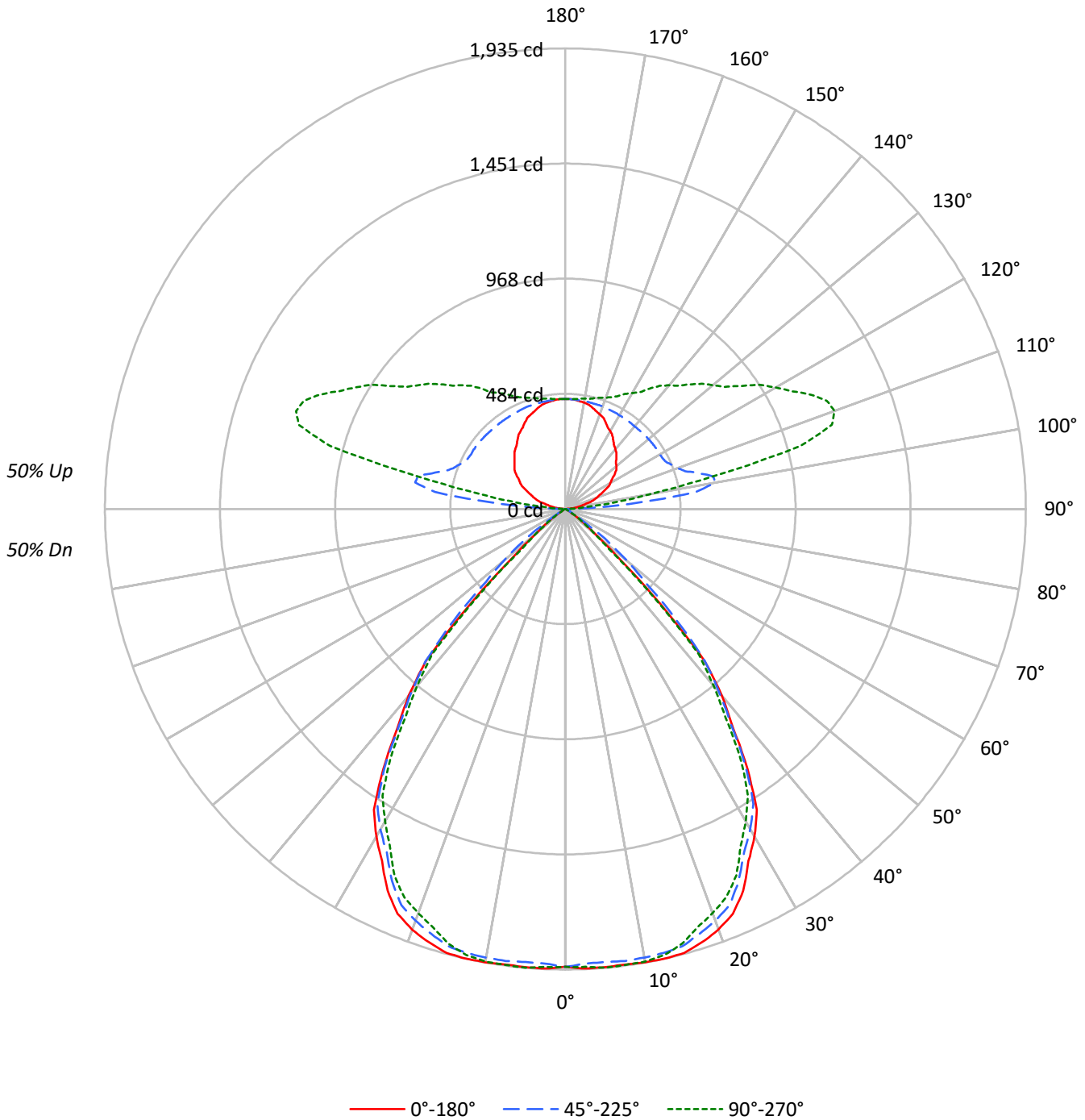
Lumens per Lamp: N/A
Luminaire Lumens: 5739.2 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 50.9
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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50				
1	100	96	93	90	92	89	87	84	76	74	72	64	63	62	53	52	51	46				
2	93	86	81	77	86	80	76	72	69	66	63	59	57	55	49	48	47	42				
3	86	78	72	67	79	73	67	63	63	59	56	54	51	49	45	44	42	38				
4	80	71	64	59	74	66	60	56	57	53	50	49	46	44	42	40	38	35				
5	74	64	57	52	69	60	54	49	53	48	44	46	42	40	39	37	35	32				
6	69	58	51	46	64	55	49	44	48	43	40	42	38	36	36	34	32	29				
7	64	53	46	41	60	50	44	40	44	40	36	39	35	32	34	31	29	27				
8	60	49	42	37	56	46	40	36	41	36	33	36	32	30	31	29	27	24				
9	56	45	38	34	52	43	37	32	38	33	30	33	30	27	29	27	25	23				
10	53	42	35	31	49	39	34	30	35	30	27	31	28	25	27	25	23	21				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31065	31065	31065
5°	31308	30964	31355
10°	31701	31370	31654
15°	32272	31789	31629
20°	32314	31636	31057
25°	31515	30709	30280
30°	29625	28980	28243
35°	26294	26085	25306
40°	21564	21199	20407
45°	12855	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	3.2
10°-20°	538.8	9.4
20°-30°	792.7	13.8
30°-40°	810.3	14.1
40°-50°	466.8	8.1
50°-60°	80.5	1.4
60°-70°	2.9	0.1
70°-80°	0.0	0.0
80°-90°	0.6	0.0
90°-100°	174.9	3.0
100°-110°	579.7	10.1
110°-120°	575.3	10.0
120°-130°	468.6	8.2
130°-140°	380.8	6.6
140°-150°	295.8	5.2
150°-160°	213.1	3.7
160°-170°	130.5	2.3
170°-180°	44.1	0.8
0°-30°	1515.5	26.4
0°-40°	2325.8	40.5
0°-60°	2873.0	50.1
0°-90°	2876.5	50.1
90°-120°	1329.9	23.2
90°-150°	2475.1	43.1
90°-180°	2863.0	49.9
0°-180°	5739.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1924	1924	1924	1924	1924	
5°	1932	1927	1910	1936	1935	184
15°	1931	1947	1902	1904	1892	544
25°	1769	1785	1724	1706	1700	807
35°	1334	1344	1323	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	1	3	4	4	1
95°	25	74	317	113	76	28
105°	102	144	580	1094	1023	107
115°	181	216	467	972	1137	179
125°	253	281	458	764	901	225
135°	302	333	455	656	740	234
145°	351	378	454	564	618	220
155°	401	415	457	504	523	185
165°	440	445	458	477	482	124
175°	460	460	461	464	463	44
180°	462	462	462	462	462	



TEST NUMBER: P559639

CATALOG NUMBER: DL2-BB-M-075U-075D-930-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1924.0	1924.0	1924.0	1924.0	1924.0
2.5°	1932.4	1927.2	1911.7	1929.3	1925.5
5°	1931.7	1927.0	1910.5	1936.4	1934.6
7.5°	1930.5	1927.3	1915.7	1937.0	1932.3
10°	1933.6	1932.7	1913.4	1935.4	1930.7
12.5°	1935.1	1941.0	1911.1	1928.4	1919.9
15°	1930.7	1946.7	1901.8	1904.4	1892.2
17.5°	1909.2	1931.7	1872.0	1861.0	1843.7
20°	1880.7	1907.0	1841.2	1822.6	1807.5
22.5°	1840.6	1864.7	1801.9	1778.8	1766.7
25°	1769.0	1785.0	1723.8	1706.3	1699.7
27.5°	1667.6	1672.1	1626.0	1604.2	1595.8
30°	1589.0	1589.0	1554.4	1530.9	1514.9
32.5°	1497.4	1495.2	1470.5	1444.7	1428.7
35°	1334.0	1344.3	1323.4	1298.1	1283.9
37.5°	1157.1	1161.0	1145.1	1117.9	1106.1
40°	1023.1	1024.0	1005.8	986.1	968.2
42.5°	866.8	885.8	868.7	837.8	830.4
45°	563.0	646.8	662.2	625.3	528.4
47.5°	283.0	387.2	452.6	351.5	248.9
50°	159.8	221.9	334.0	185.9	151.1
52.5°	106.6	134.1	231.6	121.6	101.8
55°	53.9	61.4	105.9	59.5	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	0.2	0.6	0.8	0.8
90°	0.0	0.9	2.9	3.8	3.8
92.5°	7.7	29.6	87.1	28.2	23.7
95°	24.9	73.6	316.9	113.1	75.6
97.5°	45.8	96.7	553.1	322.6	203.9
100°	60.3	109.0	640.4	550.1	364.7
102.5°	76.4	123.6	635.1	840.6	635.1
105°	101.5	144.5	580.1	1094.5	1023.3
107.5°	127.1	165.5	527.5	1120.3	1174.4
110°	141.7	180.1	500.7	1094.8	1204.3



TEST NUMBER: P559639

CATALOG NUMBER: DL2-BB-M-075U-075D-930-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	157.0	194.6	484.6	1049.5	1189.0
115°	180.9	216.5	467.2	972.5	1137.3
117.5°	204.7	236.3	460.8	899.0	1071.8
120°	219.2	250.1	458.5	852.9	1020.5
122.5°	232.2	262.4	458.5	815.1	969.9
125°	252.7	280.8	458.5	764.2	900.8
127.5°	269.6	297.1	457.4	725.6	842.4
130°	279.5	308.5	456.6	703.1	808.0
132.5°	288.7	318.5	455.9	684.5	778.9
135°	302.5	333.4	454.7	655.7	740.0
137.5°	317.4	347.2	453.6	628.0	702.3
140°	327.4	356.4	452.8	609.4	677.8
142.5°	336.6	364.9	453.6	590.9	651.7
145°	351.3	377.5	453.8	564.1	617.5
147.5°	367.2	389.1	453.9	541.4	581.1
150°	377.2	396.8	454.7	528.2	561.9
152.5°	386.4	405.3	455.5	517.4	544.3
155°	401.1	415.1	456.6	504.0	522.7
157.5°	415.5	426.3	457.8	494.5	507.7
160°	423.1	432.5	458.5	487.5	497.8
162.5°	430.8	437.9	458.5	482.9	490.9
165°	440.4	445.0	458.5	476.8	481.5
167.5°	449.2	451.6	459.5	471.4	473.9
170°	453.8	454.7	459.5	469.1	470.0
172.5°	456.8	457.8	460.3	466.8	467.0
175°	460.5	460.5	461.4	464.3	463.3
177.5°	462.4	462.4	461.6	463.1	461.6
180°	462.4	462.4	462.4	462.4	462.4

(END OF REPORT)