

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: P559615

Luminaire Tested: **DL2-BB-M-025U-075D-930-UNV-STD-W-4**

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-08
Report Number: P559615
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-9, 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-025U-075D-930-UNV-STD-W-4
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

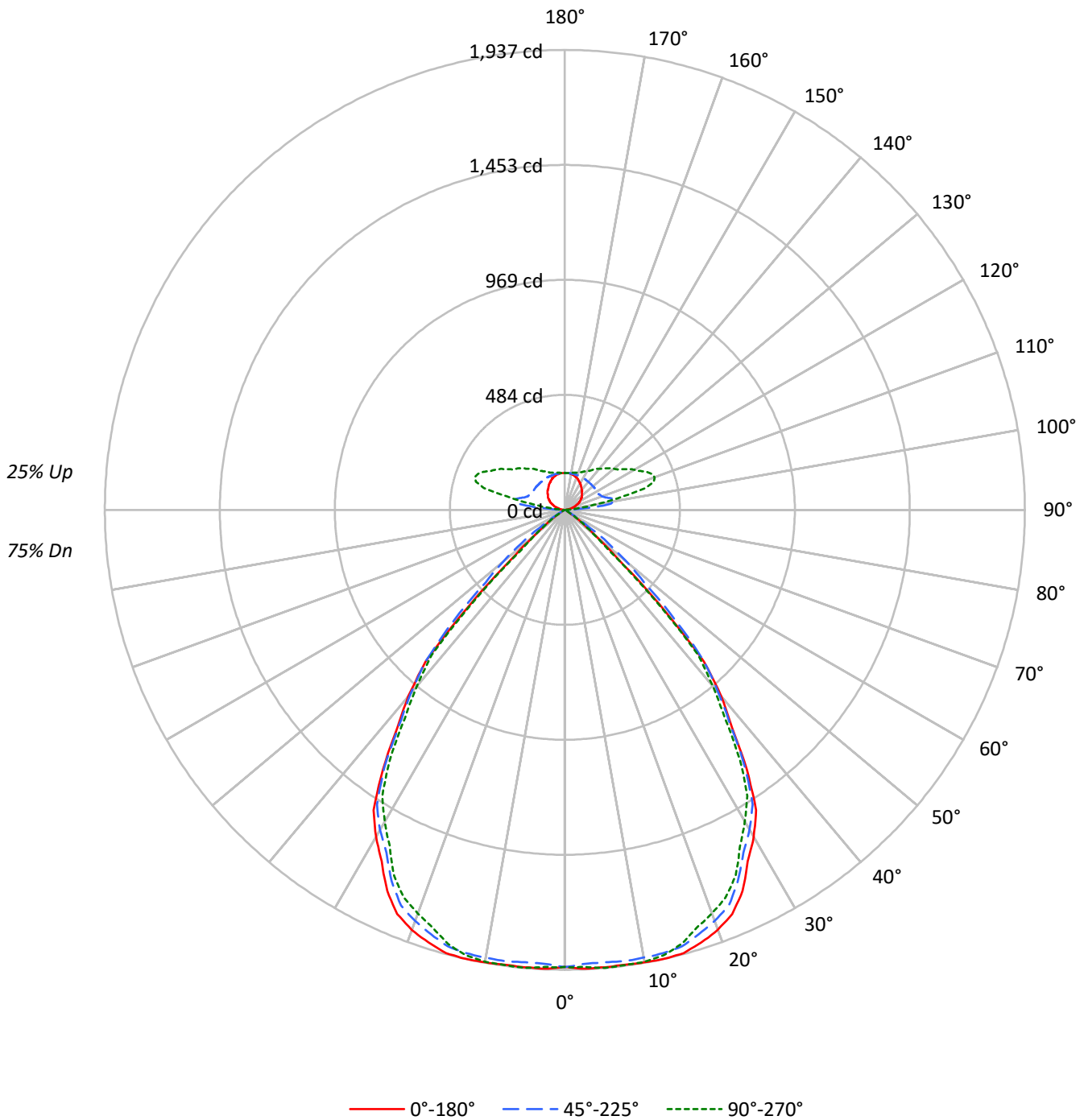
Lumens per Lamp: N/A
Luminaire Lumens: 3846.3 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 35
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



TEST NUMBER: P559615
CATALOG NUMBER: DL2-BB-M-025U-075D-930-UNV-STD-W-4

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	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75				
1	106	103	100	97	101	98	96	93	90	88	86	82	80	79	74	73	72	69				
2	99	94	89	85	95	90	86	82	82	79	76	76	73	71	69	68	66	63				
3	93	85	79	75	89	82	77	73	76	72	68	70	67	64	64	62	60	57				
4	87	78	71	66	83	75	69	65	70	65	61	65	61	58	60	57	55	52				
5	81	71	64	59	77	69	63	58	64	59	55	60	56	52	56	52	50	47				
6	76	65	59	54	73	63	57	52	59	54	50	55	51	48	52	48	46	43				
7	71	60	53	48	68	58	52	48	55	49	46	51	47	44	48	44	42	40				
8	67	56	49	44	64	54	48	43	51	45	42	48	43	40	45	41	38	36				
9	63	52	45	40	60	50	44	40	47	42	38	45	40	37	42	38	35	34				
10	59	48	41	37	57	47	41	36	44	39	35	42	37	34	39	35	33	31				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31095	31095	31095
5°	31339	30995	31386
10°	31732	31401	31685
15°	32304	31821	31661
20°	32345	31667	31087
25°	31547	30740	30310
30°	29655	29008	28271
35°	26319	26110	25332
40°	21585	21220	20428
45°	12869	15134	12077
50°	4016	8397	3800
55°	1520	2984	1520
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°	184.1	4.8
10°-20°	539.4	14.0
20°-30°	793.5	20.6
30°-40°	811.1	21.1
40°-50°	467.3	12.1
50°-60°	80.5	2.1
60°-70°	2.9	0.1
70°-80°	0.0	0.0
80°-90°	0.5	0.0
90°-100°	63.1	1.6
100°-110°	196.1	5.1
110°-120°	191.9	5.0
120°-130°	156.6	4.1
130°-140°	128.2	3.3
140°-150°	100.0	2.6
150°-160°	72.2	1.9
160°-170°	44.1	1.1
170°-180°	14.9	0.4
0°-30°	1517.0	39.4
0°-40°	2328.1	60.5
0°-60°	2875.9	74.8
0°-90°	2879.3	74.9
90°-120°	451.1	11.7
90°-150°	835.9	21.7
90°-180°	967.0	25.1
0°-180°	3846.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1926	1926	1926	1926	1926	
5°	1934	1929	1912	1938	1936	185
15°	1933	1949	1904	1906	1894	544
25°	1771	1787	1726	1708	1701	808
35°	1335	1346	1325	1299	1285	825
45°	564	647	663	626	529	436
55°	54	62	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	3	3	0
95°	9	25	116	43	28	10
105°	34	48	193	369	352	36
115°	61	72	157	323	379	60
125°	85	94	155	254	298	76
135°	102	114	154	220	247	79
145°	120	129	154	190	206	75
155°	137	141	155	170	176	63
165°	150	151	156	161	162	42
175°	156	156	156	157	156	15
180°	156	156	156	156	156	



TEST NUMBER: P559615

CATALOG NUMBER: DL2-BB-M-025U-075D-930-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1925.9	1925.9	1925.9	1925.9	1925.9
2.5°	1934.3	1929.1	1913.5	1931.2	1927.4
5°	1933.6	1928.9	1912.4	1938.3	1936.5
7.5°	1932.4	1929.2	1917.6	1938.9	1934.2
10°	1935.5	1934.6	1915.3	1937.3	1932.6
12.5°	1937.0	1942.9	1913.0	1930.3	1921.8
15°	1932.6	1948.6	1903.7	1906.3	1894.1
17.5°	1911.0	1933.6	1873.8	1862.9	1845.5
20°	1882.5	1908.9	1843.0	1824.4	1809.3
22.5°	1842.4	1866.6	1803.7	1780.5	1768.4
25°	1770.8	1786.8	1725.5	1708.0	1701.4
27.5°	1669.2	1673.7	1627.6	1605.8	1597.3
30°	1590.6	1590.6	1555.9	1532.4	1516.4
32.5°	1498.9	1496.6	1471.9	1446.1	1430.1
35°	1335.3	1345.7	1324.7	1299.3	1285.2
37.5°	1158.2	1162.2	1146.3	1119.0	1107.2
40°	1024.1	1025.1	1006.8	987.1	969.2
42.5°	867.7	886.7	869.6	838.6	831.2
45°	563.6	647.4	662.8	625.9	528.9
47.5°	283.2	387.6	453.0	351.8	249.1
50°	159.9	222.1	334.3	186.1	151.3
52.5°	106.7	134.3	231.8	121.7	101.9
55°	54.0	61.5	106.0	59.6	54.0
57.5°	18.3	28.5	46.1	29.5	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	0.6	0.6
90°	0.0	0.9	2.9	2.9	2.9
92.5°	3.1	10.7	36.5	12.0	9.8
95°	8.6	25.4	115.7	42.7	27.7
97.5°	15.7	33.1	191.6	119.3	75.1
100°	21.0	36.9	216.0	202.1	134.8
102.5°	26.4	41.5	211.5	288.6	226.6
105°	34.4	48.4	193.1	368.6	351.8
107.5°	42.4	55.5	175.5	374.8	393.3
110°	47.8	60.9	166.3	366.0	402.5

TEST NUMBER: P559615

CATALOG NUMBER: DL2-BB-M-025U-075D-930-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	53.2	65.5	161.7	350.2	396.3
115°	61.2	72.4	156.8	323.4	378.6
117.5°	69.0	79.3	154.7	297.8	354.3
120°	73.6	83.9	153.9	283.2	337.5
122.5°	78.2	88.5	154.7	270.9	320.6
125°	85.1	94.4	154.9	254.3	298.3
127.5°	90.6	100.2	154.9	241.9	279.3
130°	93.7	104.0	154.9	235.0	268.6
132.5°	97.5	107.8	154.1	228.8	260.2
135°	102.3	113.5	153.9	219.5	246.6
137.5°	107.8	118.1	153.9	210.3	235.0
140°	110.9	121.2	153.9	204.1	226.6
142.5°	114.7	124.3	153.9	198.0	218.2
145°	119.5	128.8	153.9	189.7	206.5
147.5°	125.2	133.3	154.9	181.9	195.2
150°	129.1	135.6	154.9	178.0	188.3
152.5°	132.1	137.9	154.9	174.2	183.0
155°	136.7	141.4	154.9	170.3	175.9
157.5°	141.3	144.8	154.9	166.8	170.4
160°	144.4	147.2	154.9	164.5	167.3
162.5°	146.6	148.7	154.9	162.9	165.0
165°	150.1	151.0	155.8	160.6	162.5
167.5°	152.2	152.4	154.9	159.3	160.2
170°	153.0	153.9	154.9	157.8	158.7
172.5°	154.5	154.7	155.6	157.0	157.2
175°	155.8	155.8	155.8	156.8	155.8
177.5°	155.8	155.8	155.8	155.8	155.8
180°	155.8	155.8	155.8	155.8	155.8

(END OF REPORT)