

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: P559652

Luminaire Tested: **DL2-BB-M-0U-075D-935-UNV-STD-W-4**

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-08
Report Number: P559652
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (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-0U-075D-935-UNV-STD-W-4
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE
DOWNLIGHT 750 LUMENS PER FOOT
DIRECT ONLY
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

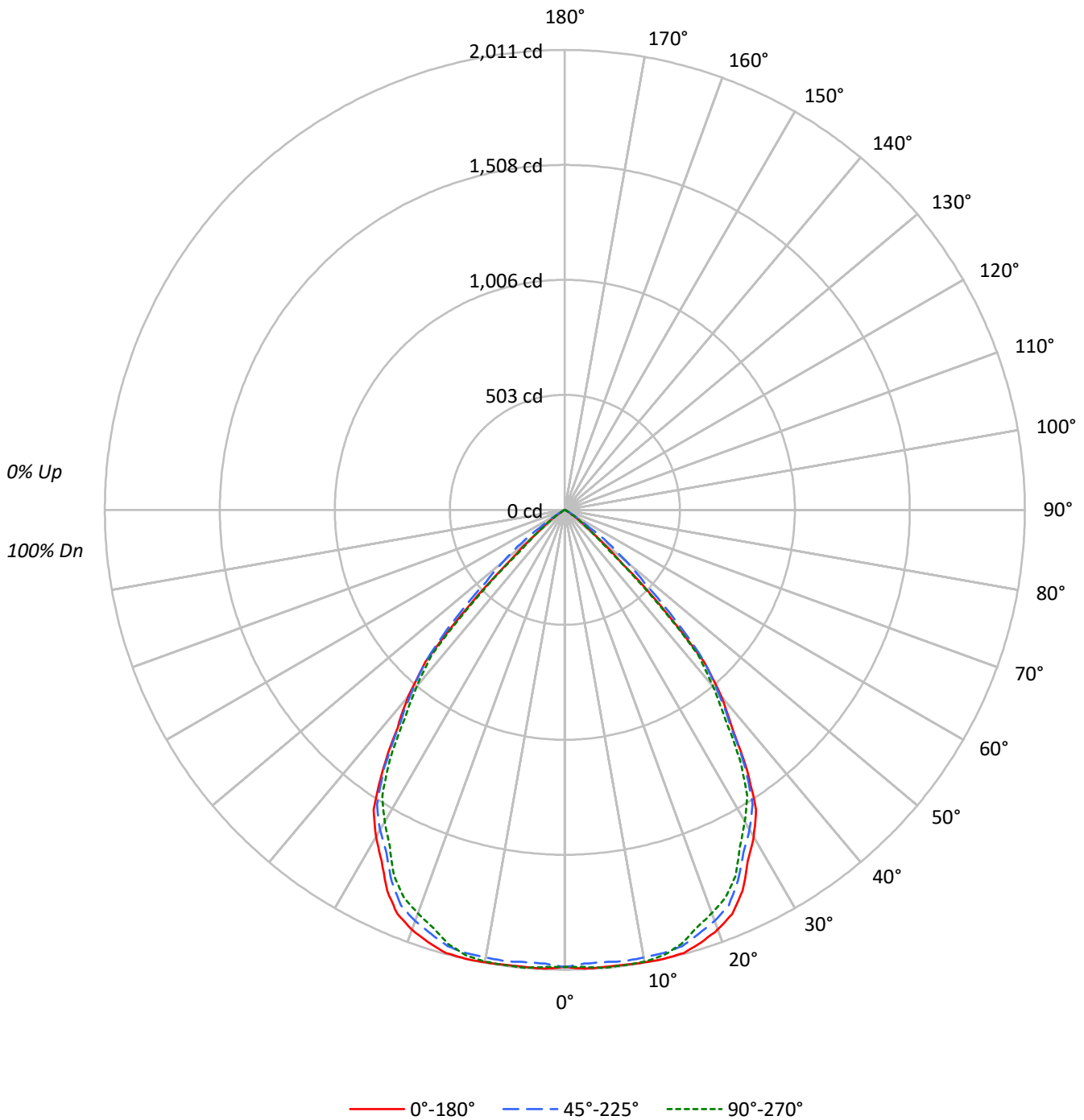
Lumens per Lamp: N/A
Luminaire Lumens: 2988.1 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27.6
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92	92	92	92	
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84	84	84	84	
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76	76	76	76	
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70	70	70	70	
5	88	79	72	67	86	78	72	67	76	70	66	74	69	66	72	68	65	63	63	63	63	
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58	58	58	58	
7	78	67	61	56	76	67	60	56	65	60	55	64	59	55	63	58	55	53	53	53	53	
8	73	63	56	51	72	62	55	51	61	55	51	60	54	51	59	54	50	49	49	49	49	
9	69	58	52	47	68	58	51	47	57	51	47	56	50	47	55	50	46	45	45	45	45	
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	47	43	42	42	42	42	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32276	32276	32276
5°	32528	32172	32577
10°	32937	32593	32888
15°	33531	33030	32862
20°	33574	32869	32268
25°	32744	31907	31461
30°	30781	30109	29345
35°	27319	27102	26294
40°	22405	22025	21203
45°	13358	15710	12536
50°	4170	8716	3944
55°	1576	3096	1576
60°	97	872	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°	191.1	6.4
10°-20°	559.9	18.7
20°-30°	823.6	27.6
30°-40°	841.9	28.2
40°-50°	485.0	16.2
50°-60°	83.6	2.8
60°-70°	3.0	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1574.6	52.7
0°-40°	2416.5	80.9
0°-60°	2985.1	99.9
0°-90°	2988.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2988.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1999	1999	1999	1999	1999	
5°	2007	2002	1985	2012	2010	192
15°	2006	2023	1976	1979	1966	565
25°	1838	1855	1791	1773	1766	839
35°	1386	1397	1375	1349	1334	856
45°	585	672	688	650	549	453
55°	56	64	110	62	56	59
65°	0	0	1	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1999.0	1999.0	1999.0	1999.0	1999.0
2.5°	2007.8	2002.3	1986.2	2004.5	2000.6
5°	2007.0	2002.1	1985.0	2012.0	2010.0
7.5°	2005.8	2002.5	1990.4	2012.5	2007.6
10°	2009.0	2008.0	1988.0	2010.9	2006.0
12.5°	2010.6	2016.7	1985.6	2003.6	1994.8
15°	2006.0	2022.6	1976.0	1978.7	1966.0
17.5°	1983.6	2007.1	1945.0	1933.6	1915.6
20°	1954.0	1981.4	1913.0	1893.6	1878.0
22.5°	1912.4	1937.4	1872.2	1848.1	1835.6
25°	1838.0	1854.6	1791.0	1772.8	1766.0
27.5°	1732.6	1737.3	1689.4	1666.8	1658.0
30°	1651.0	1651.0	1615.0	1590.6	1574.0
32.5°	1555.8	1553.5	1527.8	1501.0	1484.4
35°	1386.0	1396.8	1375.0	1348.7	1334.0
37.5°	1202.2	1206.3	1189.8	1161.5	1149.2
40°	1063.0	1064.0	1045.0	1024.6	1006.0
42.5°	900.6	920.4	902.6	870.4	862.8
45°	585.0	672.0	688.0	649.7	549.0
47.5°	294.0	402.3	470.2	365.2	258.6
50°	166.0	230.5	347.0	193.2	157.0
52.5°	110.8	139.4	240.6	126.3	105.8
55°	56.0	63.8	110.0	61.9	56.0
57.5°	19.0	29.6	47.8	30.6	21.0
60°	3.0	12.8	27.0	9.8	1.0
62.5°	0.6	3.3	16.6	2.7	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	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)