

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: P559736

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

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-08
Report Number: P559736
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DL2-WB-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

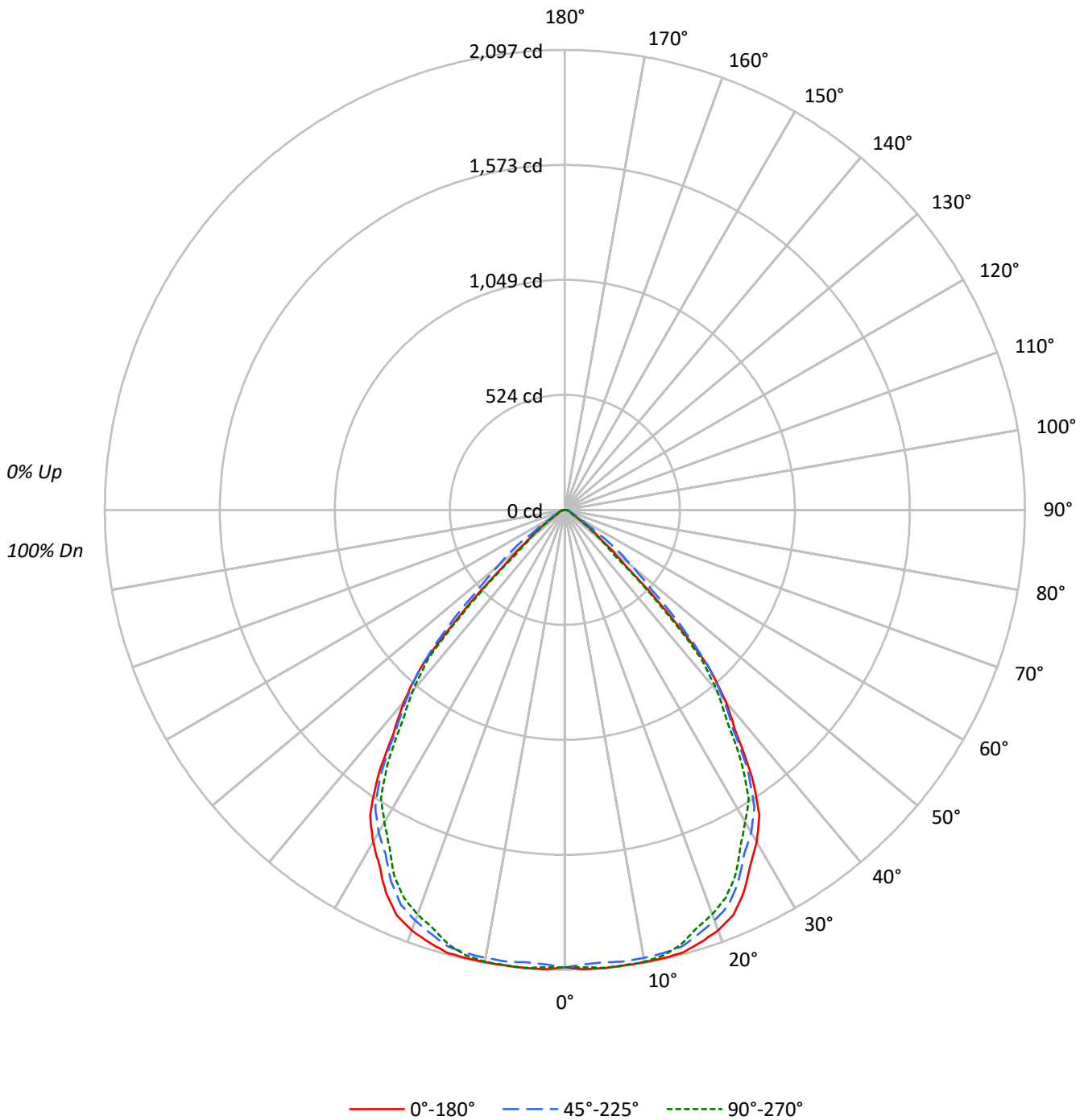
Lumens per Lamp: N/A
Luminaire Lumens: 3263.0 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

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
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91				91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83				83
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75				75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68				68
5	87	77	70	65	85	76	70	65	74	69	65	73	68	64	71	67	63	62				62
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56				56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51				51
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47				47
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43				43
10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40				40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33680	33680	33680
5°	33987	33566	33971
10°	34331	34003	34315
15°	34902	34450	34283
20°	35069	34244	33728
25°	34347	33332	32780
30°	32589	31657	30650
35°	29309	28698	27654
40°	24028	23669	22763
45°	15025	17102	14111
50°	5878	9972	5375
55°	2899	4645	2871
60°	1356	2228	1227
65°	1223	1299	1146
70°	1180	1227	1133
75°	1185	1185	1061
80°	1116	1116	1023
85°	1112	926	926



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.4	6.1
10°-20°	583.2	17.9
20°-30°	862.2	26.4
30°-40°	892.2	27.3
40°-50°	536.6	16.4
50°-60°	128.4	3.9
60°-70°	35.1	1.1
70°-80°	19.6	0.6
80°-90°	6.2	0.2
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°	1644.8	50.4
0°-40°	2537.0	77.8
0°-60°	3202.1	98.1
0°-90°	3263.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3263.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2086	2086	2086	2086	2086	
5°	2097	2090	2071	2099	2096	200
15°	2088	2104	2061	2061	2051	588
25°	1928	1944	1871	1851	1840	881
35°	1487	1485	1456	1423	1403	913
45°	658	747	749	712	618	509
55°	103	116	165	110	102	103
65°	32	33	34	32	30	32
75°	19	19	19	18	17	20
85°	6	6	5	5	5	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2086.0	2086.0	2086.0	2086.0	2086.0
2.5°	2096.4	2090.9	2074.0	2091.5	2087.6
5°	2097.0	2090.2	2071.0	2098.9	2096.0
7.5°	2094.8	2091.9	2077.2	2098.3	2093.8
10°	2094.0	2095.0	2074.0	2095.9	2093.0
12.5°	2093.2	2101.2	2070.8	2087.8	2081.0
15°	2088.0	2103.6	2061.0	2060.8	2051.0
17.5°	2065.8	2084.4	2027.4	2011.7	1999.8
20°	2041.0	2059.6	1993.0	1967.9	1963.0
22.5°	2001.8	2021.9	1950.6	1923.0	1915.0
25°	1928.0	1943.6	1871.0	1850.8	1840.0
27.5°	1829.6	1838.2	1770.0	1746.9	1732.0
30°	1748.0	1751.9	1698.0	1667.5	1644.0
32.5°	1651.2	1655.1	1607.6	1578.8	1560.0
35°	1487.0	1485.0	1456.0	1422.6	1403.0
37.5°	1281.6	1284.3	1261.4	1235.0	1215.2
40°	1140.0	1142.0	1123.0	1084.9	1080.0
42.5°	967.2	996.5	971.0	941.3	918.4
45°	658.0	747.0	749.0	711.9	618.0
47.5°	371.6	472.9	531.4	424.8	310.8
50°	234.0	302.4	397.0	252.1	214.0
52.5°	166.0	200.8	299.4	177.3	157.2
55°	103.0	115.7	165.0	109.8	102.0
57.5°	61.2	74.3	93.8	74.3	62.0
60°	42.0	52.8	69.0	48.8	38.0
62.5°	36.4	40.9	54.6	38.5	34.8
65°	32.0	33.0	34.0	32.0	30.0
67.5°	28.2	29.2	28.4	28.2	26.4
70°	25.0	26.0	26.0	25.0	24.0
72.5°	22.6	23.6	22.8	22.6	20.8
75°	19.0	19.0	19.0	18.0	17.0
77.5°	14.4	15.4	14.4	14.4	13.4
80°	12.0	13.0	12.0	12.0	11.0
82.5°	9.6	9.8	9.6	9.6	8.6
85°	6.0	6.0	5.0	5.0	5.0
87.5°	1.6	2.4	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)