

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: P559653

Luminaire Tested: **DL2-BB-M-0U-075D-940-UNV-STD-W-4**

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-08
Report Number: P559653
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-940-UNV-STD-W-4
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE
DOWNLIGHT 750 LUMENS PER FOOT
DIRECT ONLY
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

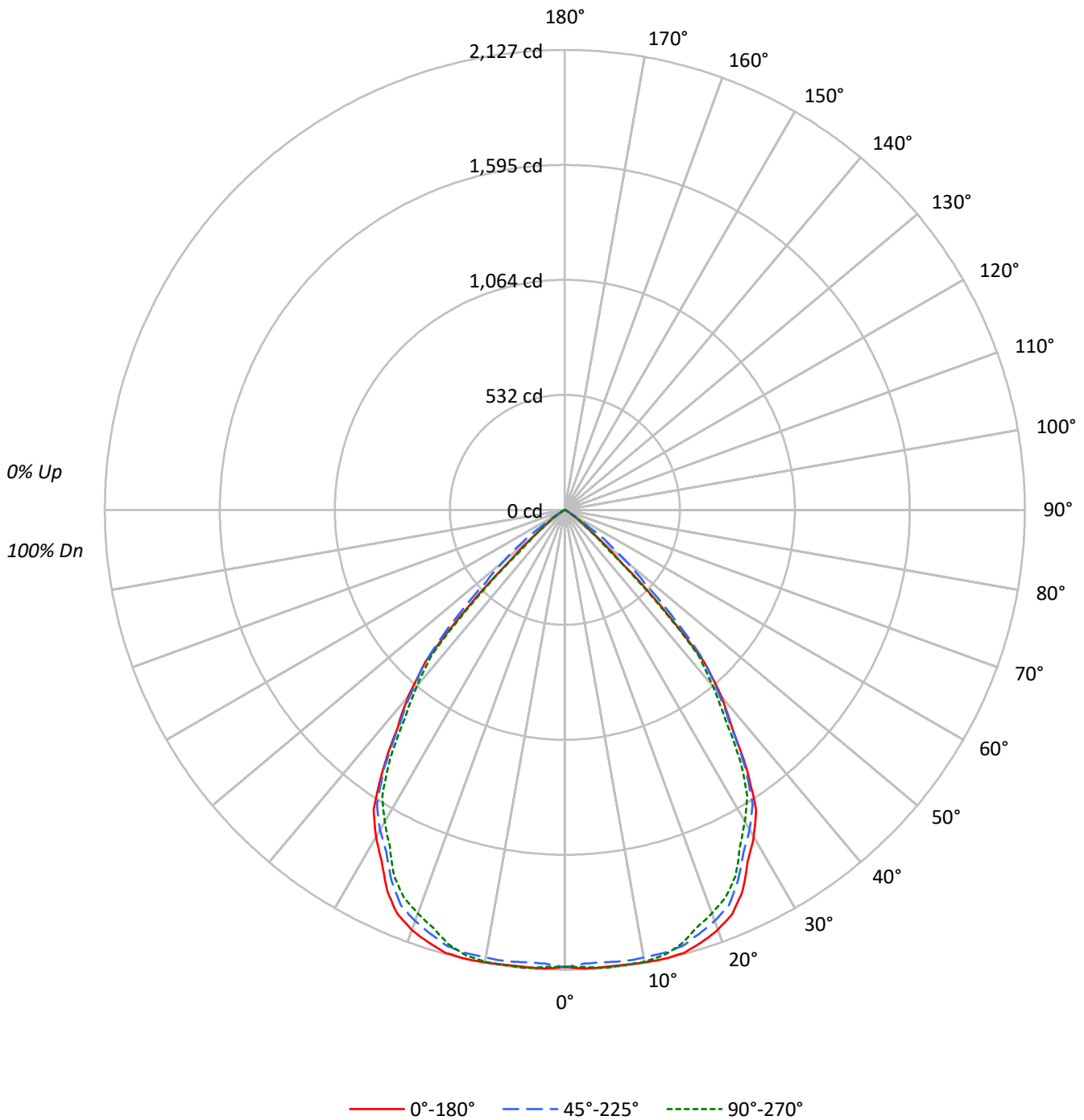
Lumens per Lamp: N/A
Luminaire Lumens: 3160.7 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	110	107	105	110	108	105	103	104	102	100		100	98	97		96	95	94	92
2	106	101	96	93	104	99	95	92	96	92	90		93	90	88		90	88	86	84
3	100	93	87	83	98	91	86	82	89	84	81		86	82	79		84	81	78	76
4	94	85	79	74	92	84	78	74	82	77	73		80	76	72		78	74	71	70
5	88	79	72	67	86	78	72	67	76	70	66		74	69	66		72	68	65	63
6	83	73	66	61	81	72	66	61	70	65	60		69	64	60		67	63	60	58
7	78	67	61	56	76	67	60	56	65	60	55		64	59	55		63	58	55	53
8	73	63	56	51	72	62	55	51	61	55	51		60	54	51		59	54	50	49
9	69	58	52	47	68	58	51	47	57	51	47		56	50	47		55	50	46	45
10	65	54	48	43	64	54	48	43	53	47	43		52	47	43		51	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34140	34140	34140
5°	34407	34031	34459
10°	34841	34475	34788
15°	35468	34937	34761
20°	35514	34768	34132
25°	34636	33750	33278
30°	32559	31849	31040
35°	28897	28667	27813
40°	23699	23298	22428
45°	14129	16616	13260
50°	4411	9218	4172
55°	1666	3277	1666
60°	103	924	36
65°	0	42	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°	202.2	6.4
10°-20°	592.2	18.7
20°-30°	871.2	27.6
30°-40°	890.5	28.2
40°-50°	513.0	16.2
50°-60°	88.4	2.8
60°-70°	3.2	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°	1665.6	52.7
0°-40°	2556.1	80.9
0°-60°	3157.5	99.9
0°-90°	3160.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3160.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2114	2114	2114	2114	2114	
5°	2123	2118	2100	2128	2126	203
15°	2122	2140	2090	2093	2080	597
25°	1944	1962	1894	1875	1868	887
35°	1466	1477	1454	1427	1411	906
45°	619	711	728	687	581	479
55°	59	68	116	65	59	63
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°	2114.5	2114.5	2114.5	2114.5	2114.5
2.5°	2123.8	2118.0	2100.9	2120.3	2116.2
5°	2122.9	2117.8	2099.7	2128.2	2126.1
7.5°	2121.7	2118.1	2105.4	2128.7	2123.6
10°	2125.1	2124.0	2102.8	2127.0	2121.9
12.5°	2126.7	2133.2	2100.3	2119.3	2110.0
15°	2121.9	2139.5	2090.1	2093.0	2079.6
17.5°	2098.2	2123.0	2057.4	2045.3	2026.3
20°	2066.9	2095.8	2023.5	2003.0	1986.5
22.5°	2022.9	2049.3	1980.3	1954.9	1941.6
25°	1944.2	1961.8	1894.5	1875.3	1868.0
27.5°	1832.7	1837.6	1787.0	1763.1	1753.8
30°	1746.4	1746.4	1708.3	1682.5	1664.9
32.5°	1645.7	1643.2	1616.1	1587.7	1570.1
35°	1466.1	1477.4	1454.4	1426.6	1411.1
37.5°	1271.6	1276.0	1258.5	1228.6	1215.6
40°	1124.4	1125.4	1105.4	1083.8	1064.1
42.5°	952.6	973.5	954.7	920.7	912.6
45°	618.8	710.8	727.7	687.2	580.7
47.5°	311.0	425.6	497.4	386.3	273.5
50°	175.6	243.9	367.0	204.3	166.1
52.5°	117.2	147.4	254.5	133.6	111.9
55°	59.2	67.5	116.4	65.4	59.2
57.5°	20.1	31.3	50.6	32.3	22.2
60°	3.2	13.5	28.6	10.4	1.1
62.5°	0.6	3.5	17.6	2.9	0.2
65°	0.0	0.0	1.1	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)