

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: P559648

Luminaire Tested: **DL2-BB-M-0U-050D-930-UNV-STD-W-4**

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-08
Report Number: P559648
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DL2-BB-M-0U-050D-930-UNV-STD-W-4
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE
DOWNLIGHT 500 LUMENS PER FOOT
DIRECT ONLY
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

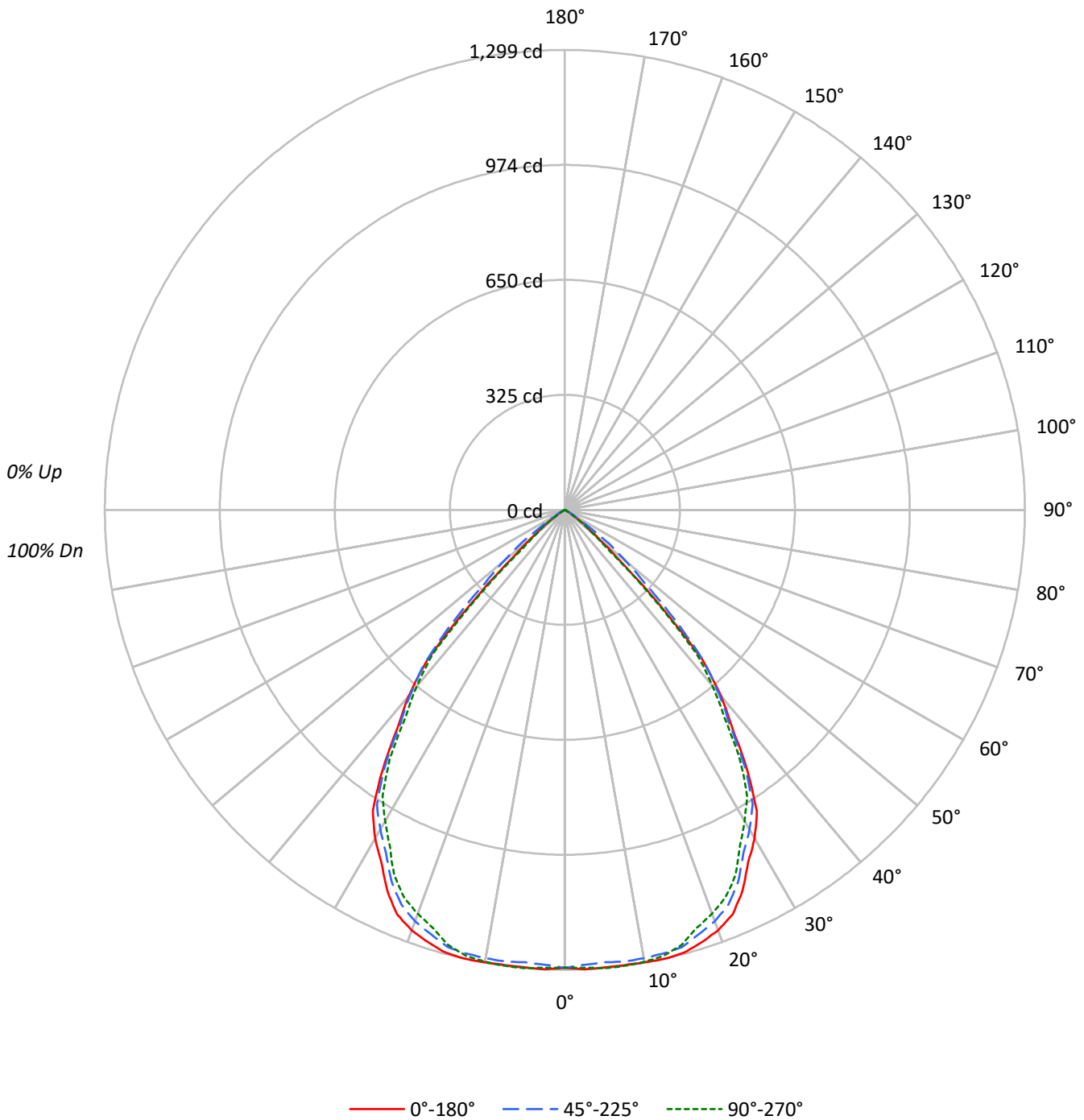
Lumens per Lamp: N/A
Luminaire Lumens: 1931.3 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 18.1
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	65	61	70	65	60	69	64	60	67	63	60	58
7	78	67	61	56	76	67	60	56	65	59	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°	20886	20886	20886
5°	21029	20794	21060
10°	21272	21082	21256
15°	21655	21366	21270
20°	21715	21252	20856
25°	21145	20630	20304
30°	19975	19438	18918
35°	17706	17497	17004
40°	14455	14250	13683
45°	8522	10058	7928
50°	2876	5604	2562
55°	974	2004	1027
60°	94	591	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°	123.6	6.4
10°-20°	361.8	18.7
20°-30°	532.4	27.6
30°-40°	544.0	28.2
40°-50°	312.7	16.2
50°-60°	54.7	2.8
60°-70°	2.0	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°	1017.9	52.7
0°-40°	1561.8	80.9
0°-60°	1929.3	99.9
0°-90°	1931.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1931.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1294	1294	1294	1294	1294	
5°	1298	1295	1283	1301	1299	124
15°	1296	1307	1278	1279	1272	365
25°	1187	1197	1158	1145	1140	543
35°	898	903	888	873	863	554
45°	373	434	440	418	347	292
55°	35	41	71	40	36	39
65°	0	0	1	0	0	0
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°	1293.6	1293.6	1293.6	1293.6	1293.6
2.5°	1299.0	1296.0	1285.9	1297.4	1294.4
5°	1297.5	1294.6	1283.0	1301.3	1299.4
7.5°	1296.7	1294.4	1286.7	1302.6	1298.8
10°	1297.5	1297.5	1285.9	1300.3	1296.5
12.5°	1299.0	1302.8	1283.6	1294.8	1289.6
15°	1295.5	1306.8	1278.2	1279.0	1272.5
17.5°	1281.5	1296.7	1257.6	1248.4	1238.4
20°	1263.8	1279.8	1236.9	1222.3	1213.8
22.5°	1236.9	1252.1	1206.9	1194.5	1185.3
25°	1186.9	1197.2	1158.0	1145.4	1139.7
27.5°	1121.5	1126.7	1092.6	1079.5	1070.1
30°	1071.4	1071.4	1042.6	1027.9	1014.7
32.5°	1009.1	1006.1	987.2	970.2	957.8
35°	898.3	903.0	887.7	873.1	862.7
37.5°	775.8	780.3	764.6	747.9	740.8
40°	685.8	689.5	676.1	658.6	649.2
42.5°	575.0	595.3	583.0	563.9	551.5
45°	373.2	434.3	440.5	417.7	347.2
47.5°	194.5	258.4	305.5	233.3	163.5
50°	114.5	155.8	223.1	127.3	102.0
52.5°	73.7	91.7	157.0	81.5	68.9
55°	34.6	41.2	71.2	40.3	36.5
57.5°	12.9	19.3	32.1	19.5	14.0
60°	2.9	8.5	18.3	5.7	1.0
62.5°	0.6	2.5	10.6	1.1	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)