

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: P559693

Luminaire Tested: **DL2-BB-M-150U-125D-930-UNV-STD-W-4**

Issue Date: 3/5/2020

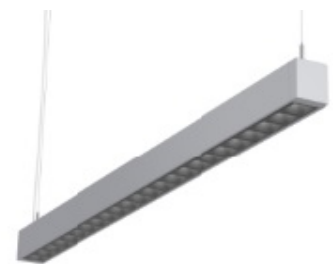
Test Information

Test Method: LM-79-08
Report Number: P559693
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-14, G3-2104-222-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DL2-BB-M-150U-125D-930-UNV-STD-W-4
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

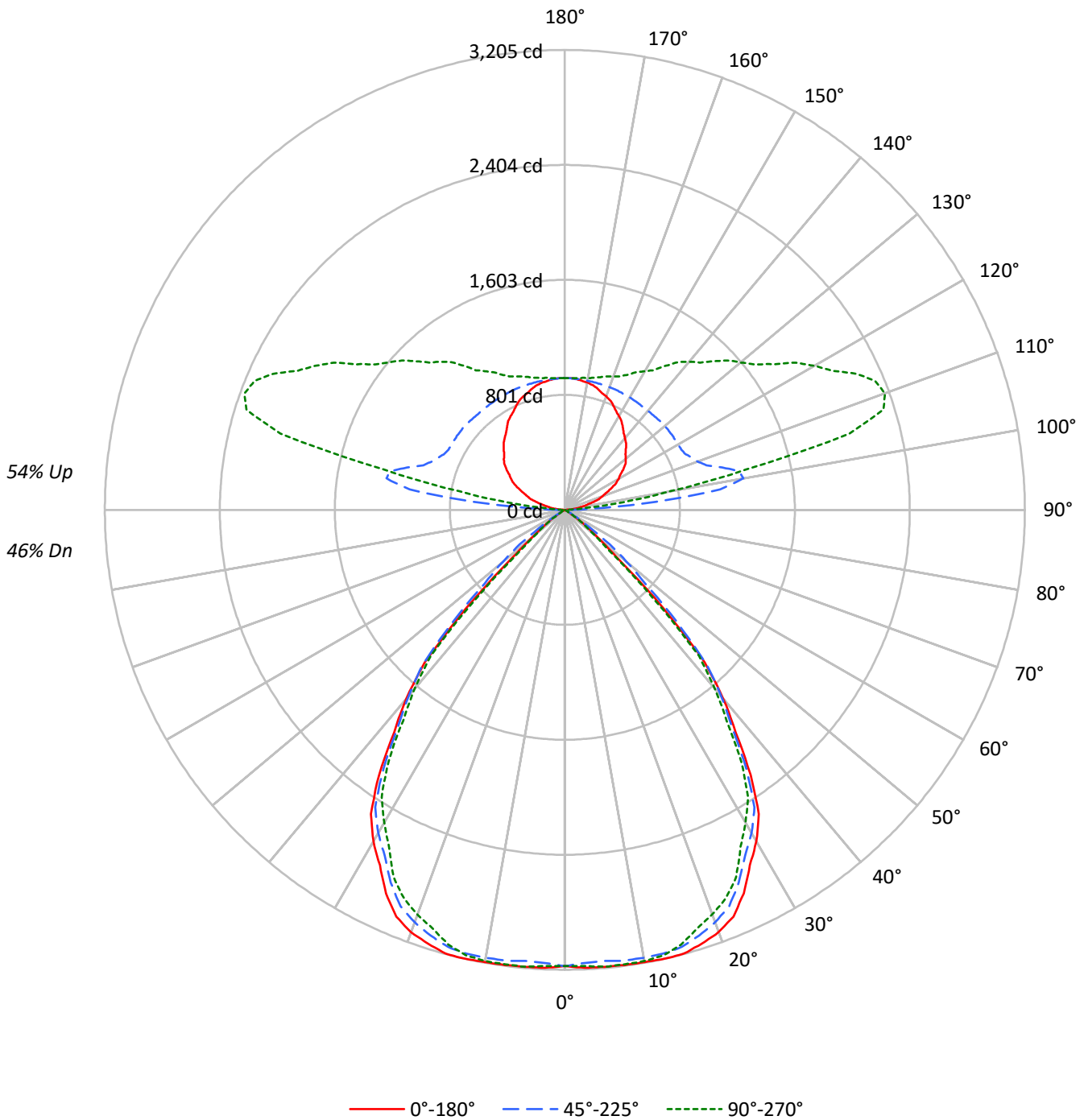
Lumens per Lamp: N/A
Luminaire Lumens: 10471.1 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 105.9
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				
RC	80					70					50					30				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46		
1	99	95	92	89	91	88	85	82	74	72	70	61	60	59	49	48	48	42		
2	91	85	80	76	84	79	75	71	67	64	61	56	54	52	45	44	43	38		
3	85	77	71	66	78	71	66	62	61	57	54	51	48	46	42	40	39	35		
4	78	69	62	57	72	64	59	54	55	51	48	47	44	41	39	37	35	32		
5	73	63	56	50	67	58	52	48	51	46	42	43	40	37	36	34	32	29		
6	68	57	50	45	62	53	47	43	46	42	38	40	36	34	34	31	29	27		
7	63	52	45	40	58	49	43	38	43	38	34	37	33	30	31	29	27	24		
8	59	48	41	36	54	45	39	34	39	34	31	34	30	28	29	26	25	22		
9	55	44	37	33	51	41	35	31	36	32	28	32	28	25	27	24	23	21		
10	52	41	34	30	48	38	32	28	34	29	26	29	26	23	25	23	21	19		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	51342	51342	51342
5°	51802	51164	51802
10°	52465	51960	52356
15°	53523	52704	52414
20°	53828	52574	51567
25°	52526	51070	50301
30°	49739	48485	46909
35°	44481	43438	42228
40°	36225	35698	34239
45°	22112	25051	19918
50°	7214	14021	6347
55°	2460	4949	2542
60°	187	1427	61
65°	38	73	0
70°	0	47	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.3	2.9
10°-20°	893.6	8.5
20°-30°	1320.6	12.6
30°-40°	1357.2	13.0
40°-50°	783.9	7.5
50°-60°	135.8	1.3
60°-70°	5.1	0.0
70°-80°	0.1	0.0
80°-90°	1.3	0.0
90°-100°	350.0	3.3
100°-110°	1146.0	10.9
110°-120°	1133.0	10.8
120°-130°	926.2	8.8
130°-140°	755.8	7.2
140°-150°	588.2	5.6
150°-160°	423.5	4.0
160°-170°	259.1	2.5
170°-180°	87.5	0.8
0°-30°	2518.5	24.1
0°-40°	3875.7	37.0
0°-60°	4795.4	45.8
0°-90°	4801.9	45.9
90°-120°	2629.1	25.1
90°-150°	4899.3	46.8
90°-180°	5670.0	54.1
0°-180°	10471.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3180	3180	3180	3180	3180	
5°	3196	3187	3157	3203	3196	305
15°	3202	3226	3153	3158	3136	902
25°	2948	2975	2867	2834	2824	1348
35°	2257	2258	2204	2170	2142	1388
45°	968	1099	1097	1039	872	740
55°	87	102	176	100	90	98
65°	1	1	2	1	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	1	3	8	7	8	2
95°	49	142	636	227	147	56
105°	199	284	1138	2161	2053	210
115°	359	429	924	1910	2242	354
125°	499	557	911	1506	1769	444
135°	601	665	904	1299	1464	465
145°	703	755	902	1117	1224	441
155°	802	828	907	1000	1038	369
165°	875	883	911	946	956	247
175°	915	915	916	922	920	87
180°	919	919	919	919	919	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3179.9	3179.9	3179.9	3179.9	3179.9
2.5°	3194.5	3185.5	3159.9	3189.0	3182.2
5°	3196.2	3186.8	3156.8	3202.8	3196.2
7.5°	3199.3	3193.5	3167.8	3203.9	3193.4
10°	3200.1	3201.0	3169.3	3200.9	3193.4
12.5°	3204.7	3213.9	3166.3	3191.5	3178.8
15°	3202.0	3225.5	3153.0	3158.3	3135.7
17.5°	3169.7	3203.5	3110.5	3087.8	3059.6
20°	3132.8	3166.6	3059.8	3029.4	3001.2
22.5°	3067.5	3104.3	2989.9	2956.4	2930.5
25°	2948.4	2974.7	2866.7	2833.8	2823.5
27.5°	2791.6	2801.0	2717.4	2674.0	2649.8
30°	2667.9	2666.0	2600.6	2550.8	2516.1
32.5°	2514.9	2524.3	2458.4	2411.7	2376.2
35°	2256.7	2257.6	2203.8	2169.6	2142.4
37.5°	1955.4	1950.7	1913.5	1867.4	1852.0
40°	1718.7	1725.3	1693.7	1641.4	1624.5
42.5°	1444.3	1487.7	1465.4	1403.9	1383.2
45°	968.4	1099.0	1097.1	1038.6	872.3
47.5°	495.5	659.0	757.2	593.1	397.9
50°	287.2	390.6	558.2	308.1	252.7
52.5°	182.0	231.2	396.8	200.2	168.1
55°	87.4	101.5	175.8	99.7	90.3
57.5°	31.9	47.5	78.0	48.5	34.2
60°	5.8	19.9	44.2	13.2	1.9
62.5°	1.9	5.5	25.7	3.4	1.2
65°	1.0	1.0	1.9	0.9	0.0
67.5°	0.0	0.9	1.0	0.0	0.0
70°	0.0	0.9	1.0	0.0	0.0
72.5°	0.0	0.2	0.2	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°	0.2	0.6	1.5	1.3	1.5
90°	0.9	2.8	7.6	6.6	7.6
92.5°	16.0	58.5	179.7	58.5	46.8
95°	49.1	142.3	636.3	226.7	147.3
97.5°	89.1	187.7	1091.7	660.4	409.3
100°	117.1	211.2	1263.1	1128.0	747.7
102.5°	148.8	240.7	1244.3	1662.1	1288.4
105°	199.2	284.1	1137.6	2161.3	2053.3
107.5°	248.9	326.8	1033.5	2208.0	2326.7
110°	281.3	357.0	983.7	2153.7	2374.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	312.3	385.8	953.5	2059.2	2341.8
115°	358.7	428.9	924.2	1909.8	2242.1
117.5°	403.9	469.4	913.1	1763.0	2100.5
120°	433.3	495.2	910.1	1677.5	2006.1
122.5°	459.8	520.1	910.1	1603.7	1908.7
125°	499.4	556.6	911.0	1506.1	1769.2
127.5°	533.0	591.4	909.9	1434.1	1663.0
130°	554.2	613.2	909.1	1390.6	1597.3
132.5°	573.0	633.6	906.9	1353.1	1540.7
135°	601.4	665.1	903.5	1299.0	1464.2
137.5°	631.2	694.3	901.4	1242.6	1391.9
140°	652.3	713.3	900.6	1206.9	1348.1
142.5°	673.5	730.7	900.6	1168.8	1296.8
145°	703.3	755.0	901.6	1117.4	1224.4
147.5°	734.7	777.7	902.9	1072.6	1153.4
150°	754.3	792.1	904.4	1046.6	1114.9
152.5°	773.9	807.3	905.2	1025.2	1081.7
155°	801.5	828.3	907.2	999.7	1038.5
157.5°	826.2	845.6	909.3	979.6	1007.7
160°	842.1	857.8	910.1	968.2	990.3
162.5°	855.7	868.4	910.1	959.0	975.2
165°	875.1	883.4	911.0	946.2	956.3
167.5°	891.6	895.6	912.1	936.2	941.8
170°	900.6	902.5	912.9	930.9	932.7
172.5°	907.4	908.5	915.2	927.1	927.4
175°	914.8	914.8	915.7	922.3	920.5
177.5°	918.6	917.8	917.1	921.5	918.6
180°	918.6	918.6	918.6	918.6	918.6

(END OF REPORT)