

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: P559694

Luminaire Tested: **DL2-BB-M-150U-125D-935-UNV-STD-W-4**

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-08
Report Number: P559694
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-935-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

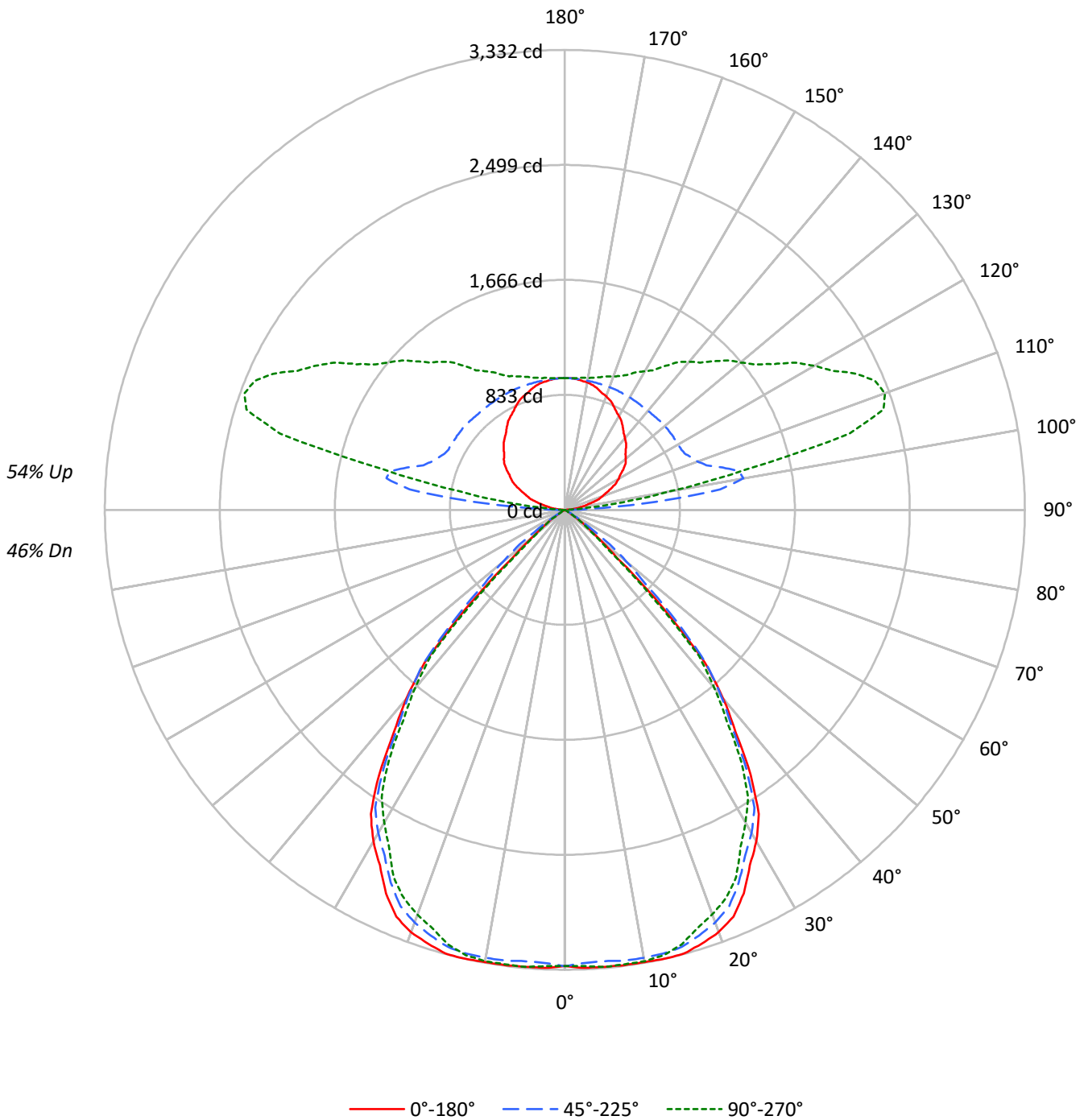
Lumens per Lamp: N/A
Luminaire Lumens: 10887.1 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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°	53381	53381	53381
5°	53861	53196	53861
10°	54549	54025	54434
15°	55649	54796	54497
20°	55967	54663	53615
25°	54612	53099	52298
30°	51714	50410	48772
35°	46247	45164	43903
40°	37664	37116	35601
45°	22989	26046	20710
50°	7503	14576	6599
55°	2559	5146	2643
60°	194	1482	65
65°	38	76	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°	316.4	2.9
10°-20°	929.1	8.5
20°-30°	1373.0	12.6
30°-40°	1411.1	13.0
40°-50°	815.1	7.5
50°-60°	141.2	1.3
60°-70°	5.3	0.0
70°-80°	0.1	0.0
80°-90°	1.4	0.0
90°-100°	363.9	3.3
100°-110°	1191.6	10.9
110°-120°	1178.0	10.8
120°-130°	963.0	8.8
130°-140°	785.9	7.2
140°-150°	611.6	5.6
150°-160°	440.4	4.0
160°-170°	269.4	2.5
170°-180°	91.0	0.8
0°-30°	2618.5	24.1
0°-40°	4029.6	37.0
0°-60°	4985.9	45.8
0°-90°	4992.7	45.9
90°-120°	2733.5	25.1
90°-150°	5093.9	46.8
90°-180°	5895.0	54.1
0°-180°	10887.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3306	3306	3306	3306	3306	
5°	3323	3313	3282	3330	3323	317
15°	3329	3354	3278	3284	3260	938
25°	3066	3093	2981	2946	2936	1402
35°	2346	2347	2291	2256	2227	1444
45°	1007	1143	1141	1080	907	770
55°	91	106	183	104	94	102
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	3
95°	51	148	662	236	153	58
105°	207	295	1183	2247	2135	218
115°	373	446	961	1986	2331	368
125°	519	579	947	1566	1839	462
135°	625	692	939	1351	1522	484
145°	731	785	937	1162	1273	458
155°	833	861	943	1039	1080	384
165°	910	918	947	984	994	256
175°	951	951	952	959	957	90
180°	955	955	955	955	955	



TEST NUMBER: P559694

CATALOG NUMBER: DL2-BB-M-150U-125D-935-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3306.2	3306.2	3306.2	3306.2	3306.2
2.5°	3321.4	3312.0	3285.4	3315.6	3308.6
5°	3323.2	3313.4	3282.2	3330.0	3323.2
7.5°	3326.4	3320.3	3293.6	3331.1	3320.2
10°	3327.2	3328.2	3295.2	3328.0	3320.2
12.5°	3332.0	3341.6	3292.0	3318.3	3305.0
15°	3329.2	3353.6	3278.2	3283.7	3260.3
17.5°	3295.6	3330.8	3234.1	3210.5	3181.2
20°	3257.3	3292.4	3181.4	3149.7	3120.4
22.5°	3189.3	3227.6	3108.6	3073.9	3046.9
25°	3065.5	3092.8	2980.6	2946.4	2935.6
27.5°	2902.5	2912.2	2825.4	2780.2	2755.0
30°	2773.8	2771.9	2703.9	2652.1	2616.0
32.5°	2614.8	2624.6	2556.1	2507.5	2470.6
35°	2346.3	2347.3	2291.4	2255.8	2227.4
37.5°	2033.1	2028.2	1989.5	1941.6	1925.6
40°	1787.0	1793.8	1761.0	1706.6	1689.1
42.5°	1501.7	1546.8	1523.7	1459.6	1438.2
45°	1006.8	1142.6	1140.7	1079.8	907.0
47.5°	515.2	685.1	787.3	616.7	413.7
50°	298.7	406.1	580.3	320.3	262.7
52.5°	189.2	240.4	412.5	208.2	174.8
55°	90.9	105.5	182.8	103.7	93.9
57.5°	33.2	49.4	81.1	50.4	35.6
60°	6.0	20.6	45.9	13.7	2.0
62.5°	2.0	5.7	26.8	3.5	1.2
65°	1.0	1.0	2.0	1.0	0.0
67.5°	0.0	1.0	1.0	0.0	0.0
70°	0.0	1.0	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	1.6	1.4	1.6
90°	1.0	2.9	7.9	6.9	7.9
92.5°	16.7	60.8	186.9	60.8	48.7
95°	51.0	148.0	661.6	235.7	153.1
97.5°	92.7	195.2	1135.1	686.6	425.6
100°	121.7	219.6	1313.3	1172.8	777.4
102.5°	154.7	250.3	1293.7	1728.1	1339.6
105°	207.1	295.4	1182.8	2247.2	2134.9
107.5°	258.7	339.7	1074.6	2295.7	2419.1
110°	292.5	371.2	1022.8	2239.2	2468.6



TEST NUMBER: P559694

CATALOG NUMBER: DL2-BB-M-150U-125D-935-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	324.7	401.1	991.4	2141.0	2434.8
115°	373.0	445.9	960.9	1985.7	2331.2
117.5°	419.9	488.0	949.4	1833.1	2183.9
120°	450.5	514.8	946.2	1744.1	2085.8
122.5°	478.0	540.8	946.2	1667.4	1984.5
125°	519.2	578.7	947.2	1565.9	1839.4
127.5°	554.2	614.8	946.0	1491.1	1729.1
130°	576.2	637.6	945.2	1445.8	1660.8
132.5°	595.8	658.8	942.9	1406.9	1601.9
135°	625.2	691.5	939.3	1350.6	1522.4
137.5°	656.3	721.9	937.2	1291.9	1447.2
140°	678.3	741.6	936.4	1254.8	1401.7
142.5°	700.2	759.7	936.4	1215.2	1348.3
145°	731.3	785.0	937.4	1161.7	1273.1
147.5°	763.8	808.6	938.8	1115.2	1199.3
150°	784.3	823.6	940.3	1088.2	1159.2
152.5°	804.7	839.4	941.1	1065.9	1124.7
155°	833.3	861.2	943.3	1039.4	1079.7
157.5°	859.1	879.2	945.4	1018.5	1047.7
160°	875.5	891.9	946.2	1006.6	1029.6
162.5°	889.7	902.9	946.2	997.0	1013.9
165°	909.9	918.5	947.2	983.8	994.3
167.5°	927.0	931.2	948.4	973.4	979.2
170°	936.4	938.3	949.2	967.9	969.8
172.5°	943.5	944.6	951.5	963.9	964.3
175°	951.1	951.1	952.1	958.9	957.0
177.5°	955.0	954.3	953.5	958.1	955.0
180°	955.0	955.0	955.0	955.0	955.0

(END OF REPORT)