

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: P559622

Luminaire Tested: **DL2-BB-M-025U-125D-935-UNV-STD-W-4**

Issue Date: 3/5/2020

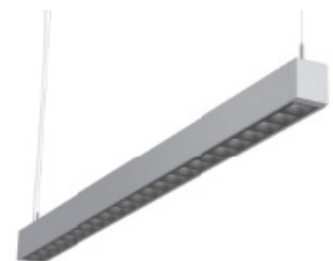
Test Information

Test Method: LM-79-08
Report Number: P559622
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-9, 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-025U-125D-935-UNV-STD-W-4
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

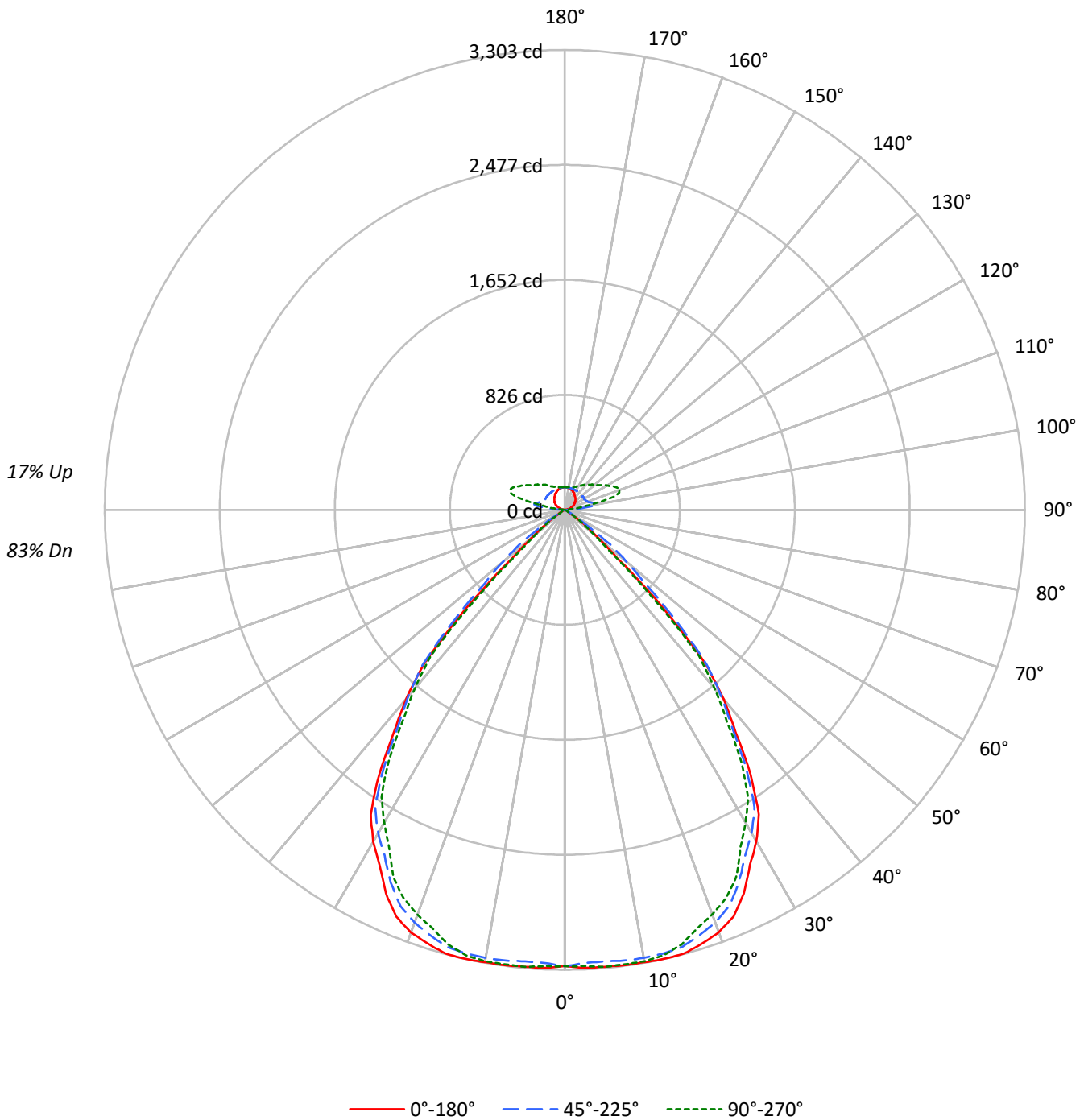
Lumens per Lamp: N/A
Luminaire Lumens: 5953.5 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 57.2
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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	87	87	87	83
1	108	105	102	100	104	101	99	97	94	92	91	88	86	85	82	81	80	77
2	102	96	91	87	98	93	89	85	87	83	81	81	79	76	76	74	72	70
3	95	88	82	77	92	85	80	76	80	76	72	75	72	69	71	68	66	63
4	89	80	74	69	86	78	72	68	74	69	65	70	66	62	66	63	60	58
5	83	74	67	62	80	72	65	61	68	63	59	64	60	57	61	58	55	53
6	78	68	61	56	75	66	60	55	63	57	53	60	55	52	57	53	50	48
7	73	63	56	51	71	61	55	50	58	53	49	55	51	47	53	49	46	44
8	69	58	51	46	66	57	50	46	54	48	45	52	47	43	49	45	42	40
9	65	54	47	42	63	53	46	42	50	45	41	48	43	40	46	42	39	37
10	61	50	43	39	59	49	43	39	47	41	38	45	40	37	43	39	36	34

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	52923	52923	52923
5°	53397	52739	53397
10°	54080	53561	53967
15°	55171	54327	54028
20°	55486	54192	53154
25°	54141	52643	51849
30°	51270	49978	48352
35°	45848	44776	43527
40°	37340	36796	35293
45°	22793	25823	20532
50°	7438	14451	6541
55°	2536	5101	2621
60°	191	1473	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°	313.7	5.3
10°-20°	921.1	15.5
20°-30°	1361.2	22.9
30°-40°	1399.0	23.5
40°-50°	808.1	13.6
50°-60°	140.0	2.4
60°-70°	5.2	0.1
70°-80°	0.1	0.0
80°-90°	0.5	0.0
90°-100°	65.5	1.1
100°-110°	203.8	3.4
110°-120°	199.3	3.3
120°-130°	162.7	2.7
130°-140°	133.1	2.2
140°-150°	103.9	1.7
150°-160°	75.0	1.3
160°-170°	45.9	0.8
170°-180°	15.5	0.3
0°-30°	2596.0	43.6
0°-40°	3995.0	67.1
0°-60°	4943.1	83.0
0°-90°	4948.9	83.1
90°-120°	468.6	7.9
90°-150°	868.4	14.6
90°-180°	1005.0	16.9
0°-180°	5953.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3278	3278	3278	3278	3278	
5°	3295	3285	3254	3301	3295	315
15°	3301	3325	3250	3256	3232	930
25°	3039	3066	2955	2921	2910	1390
35°	2326	2327	2272	2236	2208	1431
45°	998	1133	1131	1070	899	763
55°	90	105	181	103	93	101
65°	1	1	2	1	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	1	3	3	3	0
95°	9	26	120	44	29	10
105°	36	50	201	383	366	38
115°	64	75	163	336	393	63
125°	88	98	161	264	310	78
135°	106	118	160	228	256	82
145°	124	134	160	197	214	78
155°	142	147	161	177	183	65
165°	156	157	162	167	169	44
175°	162	162	162	163	162	15
180°	162	162	162	162	162	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3277.8	3277.8	3277.8	3277.8	3277.8
2.5°	3292.8	3283.6	3257.2	3287.1	3280.2
5°	3294.6	3284.9	3254.0	3301.4	3294.6
7.5°	3297.8	3291.8	3265.3	3302.5	3291.7
10°	3298.6	3299.6	3266.9	3299.4	3291.7
12.5°	3303.3	3312.8	3263.7	3289.8	3276.6
15°	3300.6	3324.8	3250.1	3255.5	3232.2
17.5°	3267.3	3302.2	3206.3	3182.9	3153.8
20°	3229.3	3264.1	3154.0	3122.7	3093.6
22.5°	3161.9	3199.9	3081.9	3047.4	3020.7
25°	3039.1	3066.3	2955.0	2921.1	2910.4
27.5°	2877.5	2887.2	2801.1	2756.3	2731.4
30°	2750.0	2748.0	2680.7	2629.3	2593.5
32.5°	2592.3	2602.0	2534.1	2485.9	2449.3
35°	2326.1	2327.1	2271.7	2236.4	2208.3
37.5°	2015.6	2010.8	1972.4	1924.9	1909.0
40°	1771.6	1778.4	1745.8	1692.0	1674.5
42.5°	1488.8	1533.5	1510.6	1447.1	1425.8
45°	998.2	1132.8	1130.9	1070.5	899.2
47.5°	510.8	679.3	780.5	611.4	410.2
50°	296.1	402.6	575.3	317.6	260.4
52.5°	187.6	238.3	409.0	206.4	173.3
55°	90.1	104.6	181.2	102.8	93.1
57.5°	32.9	49.0	80.4	50.0	35.3
60°	5.9	20.5	45.6	13.6	2.0
62.5°	2.0	5.7	26.5	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°	0.0	0.2	0.6	0.6	0.6
90°	0.0	1.0	3.0	3.0	3.0
92.5°	3.2	11.1	37.9	12.5	10.1
95°	8.9	26.4	120.2	44.3	28.8
97.5°	16.3	34.3	199.0	123.9	78.1
100°	21.8	38.4	224.4	209.9	140.0
102.5°	27.4	43.1	219.7	299.8	235.4
105°	35.8	50.3	200.6	382.9	365.5
107.5°	44.1	57.7	182.3	389.3	408.6
110°	49.7	63.2	172.8	380.2	418.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	55.2	68.0	168.0	363.8	411.7
115°	63.6	75.2	162.9	336.0	393.3
117.5°	71.7	82.4	160.7	309.4	368.0
120°	76.5	87.2	159.9	294.2	350.6
122.5°	81.2	91.9	160.7	281.4	333.1
125°	88.4	98.1	160.9	264.2	309.8
127.5°	94.1	104.1	160.9	251.3	290.2
130°	97.3	108.0	160.9	244.1	279.1
132.5°	101.3	112.0	160.1	237.7	270.3
135°	106.3	117.9	159.9	228.1	256.2
137.5°	112.0	122.7	159.9	218.5	244.1
140°	115.2	125.9	159.9	212.1	235.4
142.5°	119.2	129.1	159.9	205.7	226.6
145°	124.1	133.8	159.9	197.0	214.5
147.5°	130.1	138.4	160.9	189.0	202.8
150°	134.1	140.9	160.9	185.0	195.6
152.5°	137.2	143.3	160.9	181.0	190.1
155°	142.0	146.9	160.9	176.9	182.7
157.5°	146.8	150.5	160.9	173.3	177.0
160°	150.0	152.9	160.9	170.9	173.8
162.5°	152.3	154.5	160.9	169.3	171.4
165°	155.9	156.9	161.9	166.9	168.8
167.5°	158.1	158.3	160.9	165.5	166.4
170°	158.9	159.9	160.9	163.9	164.9
172.5°	160.5	160.7	161.7	163.1	163.3
175°	161.9	161.9	161.9	162.8	161.9
177.5°	161.9	161.9	161.9	161.9	161.9
180°	161.9	161.9	161.9	161.9	161.9

(END OF REPORT)