

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: P559621

Luminaire Tested: **DL2-BB-M-025U-125D-930-UNV-STD-W-4**

Issue Date: 3/5/2020

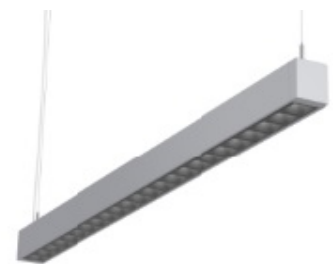
Test Information

Test Method: LM-79-08
Report Number: P559621
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-930-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

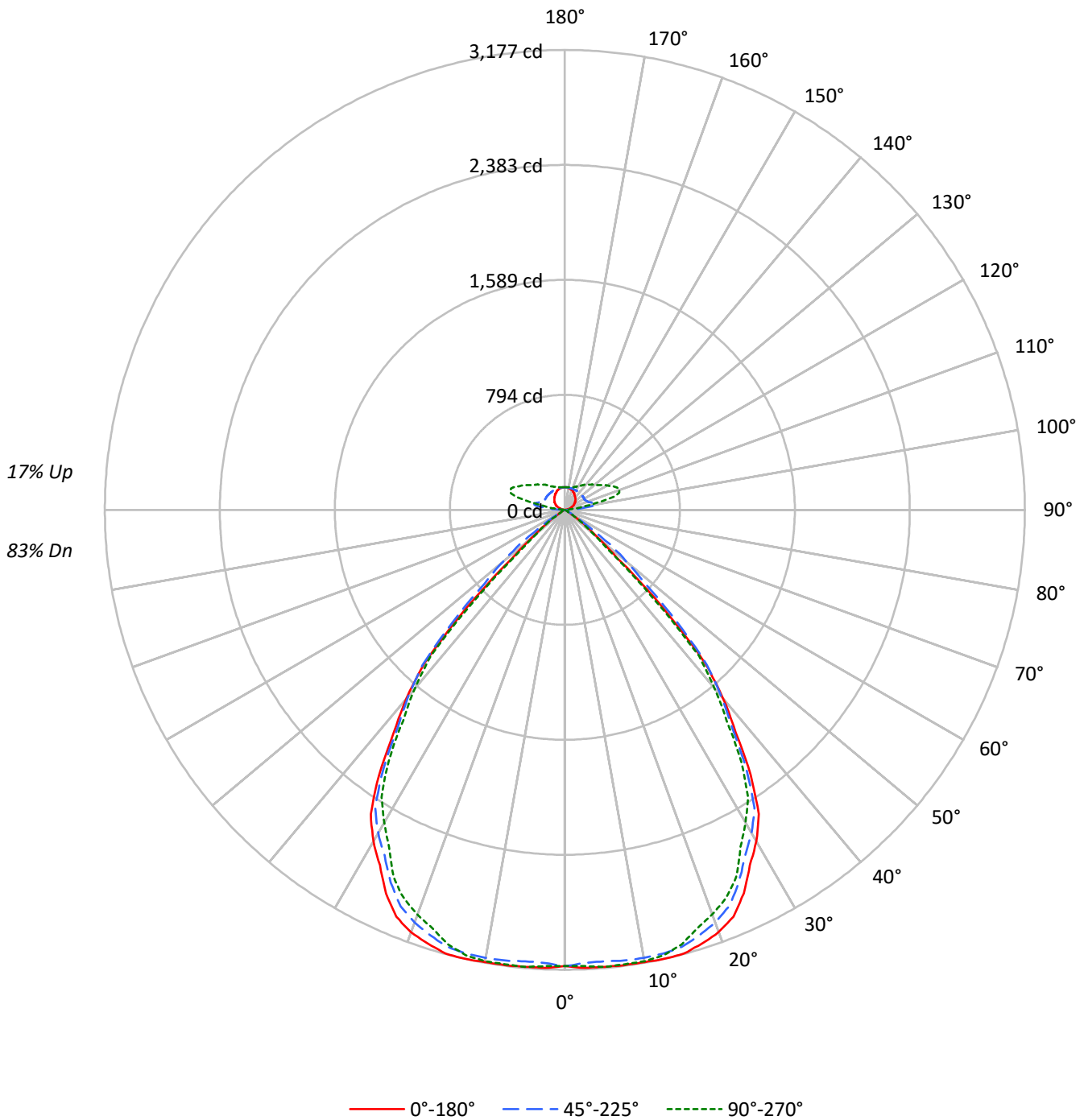
Lumens per Lamp: N/A
Luminaire Lumens: 5726.0 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

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°	50901	50901	50901
5°	51358	50725	51358
10°	52015	51514	51905
15°	53063	52251	51965
20°	53366	52122	51123
25°	52073	50632	49868
30°	49310	48069	46505
35°	44098	43065	41863
40°	35913	35392	33946
45°	21923	24836	19747
50°	7154	13901	6292
55°	2441	4906	2519
60°	184	1414	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°	301.7	5.3
10°-20°	885.9	15.5
20°-30°	1309.2	22.9
30°-40°	1345.5	23.5
40°-50°	777.2	13.6
50°-60°	134.7	2.4
60°-70°	5.0	0.1
70°-80°	0.1	0.0
80°-90°	0.5	0.0
90°-100°	63.0	1.1
100°-110°	196.0	3.4
110°-120°	191.7	3.3
120°-130°	156.5	2.7
130°-140°	128.0	2.2
140°-150°	99.9	1.7
150°-160°	72.1	1.3
160°-170°	44.1	0.8
170°-180°	14.9	0.3
0°-30°	2496.8	43.6
0°-40°	3842.4	67.1
0°-60°	4754.2	83.0
0°-90°	4759.9	83.1
90°-120°	450.7	7.9
90°-150°	835.2	14.6
90°-180°	966.0	16.9
0°-180°	5726.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3153	3153	3153	3153	3153	
5°	3169	3160	3130	3175	3169	303
15°	3174	3198	3126	3131	3109	894
25°	2923	2949	2842	2810	2799	1336
35°	2237	2238	2185	2151	2124	1377
45°	960	1090	1088	1030	865	734
55°	87	101	174	99	90	97
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	25	116	43	28	10
105°	34	48	193	368	352	36
115°	61	72	157	323	378	60
125°	85	94	155	254	298	75
135°	102	113	154	219	246	79
145°	119	129	154	190	206	75
155°	137	141	155	170	176	63
165°	150	151	156	160	162	42
175°	156	156	156	157	156	15
180°	156	156	156	156	156	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3152.6	3152.6	3152.6	3152.6	3152.6
2.5°	3167.1	3158.1	3132.8	3161.6	3154.9
5°	3168.8	3159.5	3129.7	3175.3	3168.8
7.5°	3171.8	3166.0	3140.6	3176.3	3165.9
10°	3172.6	3173.5	3142.1	3173.4	3165.9
12.5°	3177.1	3186.3	3139.1	3164.1	3151.4
15°	3174.5	3197.8	3125.9	3131.1	3108.8
17.5°	3142.5	3176.0	3083.8	3061.3	3033.3
20°	3105.9	3139.4	3033.5	3003.4	2975.4
22.5°	3041.1	3077.6	2964.2	2931.0	2905.3
25°	2923.0	2949.1	2842.1	2809.5	2799.2
27.5°	2767.6	2776.9	2694.1	2651.0	2627.0
30°	2644.9	2643.1	2578.3	2528.9	2494.4
32.5°	2493.3	2502.6	2437.3	2391.0	2355.8
35°	2237.3	2238.2	2184.9	2150.9	2123.9
37.5°	1938.6	1933.9	1897.1	1851.4	1836.1
40°	1703.9	1710.4	1679.2	1627.3	1610.6
42.5°	1431.9	1474.9	1452.9	1391.8	1371.3
45°	960.1	1089.5	1087.7	1029.7	864.8
47.5°	491.3	653.3	750.7	588.0	394.5
50°	284.8	387.2	553.4	305.4	250.5
52.5°	180.4	229.2	393.4	198.5	166.7
55°	86.7	100.6	174.3	98.8	89.5
57.5°	31.6	47.1	77.3	48.1	33.9
60°	5.7	19.7	43.8	13.1	1.9
62.5°	1.9	5.4	25.5	3.4	1.1
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°	0.0	0.2	0.6	0.6	0.6
90°	0.0	0.9	2.9	2.9	2.9
92.5°	3.1	10.7	36.5	12.0	9.7
95°	8.6	25.4	115.6	42.6	27.7
97.5°	15.7	33.0	191.4	119.2	75.1
100°	21.0	36.9	215.9	201.9	134.7
102.5°	26.4	41.5	211.3	288.4	226.4
105°	34.4	48.4	192.9	368.3	351.5
107.5°	42.4	55.5	175.4	374.5	393.0
110°	47.8	60.8	166.2	365.7	402.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	53.1	65.4	161.6	349.9	396.0
115°	61.1	72.3	156.6	323.1	378.2
117.5°	69.0	79.2	154.5	297.6	354.0
120°	73.5	83.8	153.8	283.0	337.2
122.5°	78.1	88.4	154.5	270.7	320.4
125°	85.0	94.3	154.7	254.1	298.0
127.5°	90.5	100.1	154.7	241.7	279.1
130°	93.6	103.9	154.7	234.8	268.4
132.5°	97.4	107.7	154.0	228.6	260.0
135°	102.2	113.4	153.8	219.3	246.4
137.5°	107.7	118.0	153.8	210.1	234.8
140°	110.8	121.1	153.8	204.0	226.4
142.5°	114.6	124.1	153.8	197.8	218.0
145°	119.4	128.7	153.8	189.5	206.3
147.5°	125.1	133.2	154.7	181.8	195.0
150°	128.9	135.5	154.7	177.9	188.2
152.5°	132.0	137.8	154.7	174.0	182.8
155°	136.6	141.3	154.7	170.1	175.8
157.5°	141.2	144.7	154.7	166.7	170.2
160°	144.2	147.0	154.7	164.4	167.2
162.5°	146.5	148.6	154.7	162.8	164.9
165°	150.0	150.9	155.7	160.5	162.4
167.5°	152.1	152.2	154.7	159.2	160.1
170°	152.8	153.8	154.7	157.6	158.6
172.5°	154.4	154.5	155.5	156.8	157.0
175°	155.7	155.7	155.7	156.6	155.7
177.5°	155.7	155.7	155.7	155.7	155.7
180°	155.7	155.7	155.7	155.7	155.7

(END OF REPORT)