

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: P559658

Luminaire Tested: **DL2-BB-M-0U-125D-935-UNV-STD-W-4**

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-08
Report Number: P559658
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (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-0U-125D-935-UNV-STD-W-4
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE
DOWNLIGHT 1250 LUMENS PER FOOT
DIRECT ONLY
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

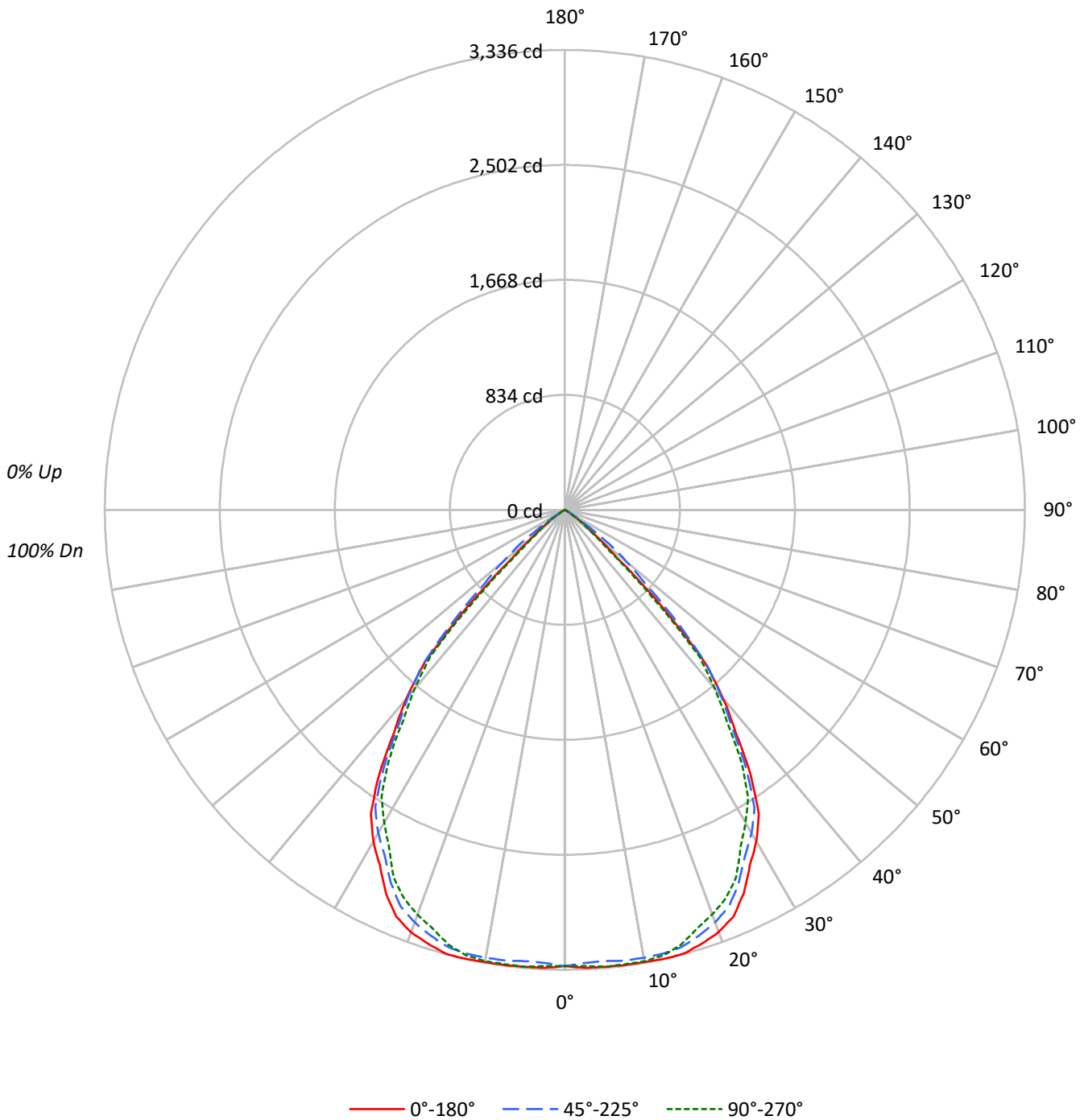
Lumens per Lamp: N/A
Luminaire Lumens: 4997.0 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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	91	96	92	89	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	75	72	78	74	71	69
5	88	79	72	67	86	78	71	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	59	58
7	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	55	53
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49
9	69	58	51	47	68	58	51	47	57	51	47	56	50	46	55	50	46	45
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	53443	53443	53443
5°	53922	53258	53922
10°	54611	54087	54497
15°	55712	54860	54559
20°	56031	54725	53677
25°	54674	53160	52358
30°	51773	50468	48828
35°	46300	45216	43954
40°	37707	37159	35641
45°	23016	26076	20733
50°	7510	14594	6606
55°	2562	5151	2646
60°	194	1485	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°	316.8	6.3
10°-20°	930.1	18.6
20°-30°	1374.6	27.5
30°-40°	1412.7	28.3
40°-50°	816.0	16.3
50°-60°	141.4	2.8
60°-70°	5.3	0.1
70°-80°	0.1	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°	2621.5	52.5
0°-40°	4034.2	80.7
0°-60°	4991.6	99.9
0°-90°	4997.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4997.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3310	3310	3310	3310	3310	
5°	3327	3317	3286	3334	3327	318
15°	3333	3357	3282	3288	3264	939
25°	3069	3096	2984	2950	2939	1403
35°	2349	2350	2294	2258	2230	1445
45°	1008	1144	1142	1081	908	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°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3310.0	3310.0	3310.0	3310.0	3310.0
2.5°	3325.2	3315.8	3289.2	3319.4	3312.4
5°	3327.0	3317.2	3286.0	3333.8	3327.0
7.5°	3330.2	3324.1	3297.4	3335.0	3324.0
10°	3331.0	3332.0	3299.0	3331.8	3324.0
12.5°	3335.8	3345.4	3295.8	3322.1	3308.8
15°	3333.0	3357.4	3282.0	3287.5	3264.0
17.5°	3299.4	3334.6	3237.8	3214.1	3184.8
20°	3261.0	3296.2	3185.0	3153.3	3124.0
22.5°	3193.0	3231.3	3112.2	3077.4	3050.4
25°	3069.0	3096.4	2984.0	2949.8	2939.0
27.5°	2905.8	2915.6	2828.6	2783.4	2758.2
30°	2777.0	2775.0	2707.0	2655.2	2619.0
32.5°	2617.8	2627.6	2559.0	2510.4	2473.4
35°	2349.0	2350.0	2294.0	2258.4	2230.0
37.5°	2035.4	2030.5	1991.8	1943.8	1927.8
40°	1789.0	1795.8	1763.0	1708.6	1691.0
42.5°	1503.4	1548.6	1525.4	1461.3	1439.8
45°	1008.0	1143.9	1142.0	1081.1	908.0
47.5°	515.8	685.9	788.2	617.4	414.2
50°	299.0	406.6	581.0	320.7	263.0
52.5°	189.4	240.6	413.0	208.4	175.0
55°	91.0	105.7	183.0	103.8	94.0
57.5°	33.2	49.4	81.2	50.5	35.6
60°	6.0	20.7	46.0	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°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)