

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: P559741

Luminaire Tested: **DL2-WB-M-0U-125D-930-UNV-STD-W-4**

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-08
Report Number: P559741
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DL2-WB-M-0U-125D-930-UNV-STD-W-4
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE
DOWNLIGHT 1250 LUMENS PER FOOT
DIRECT ONLY
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

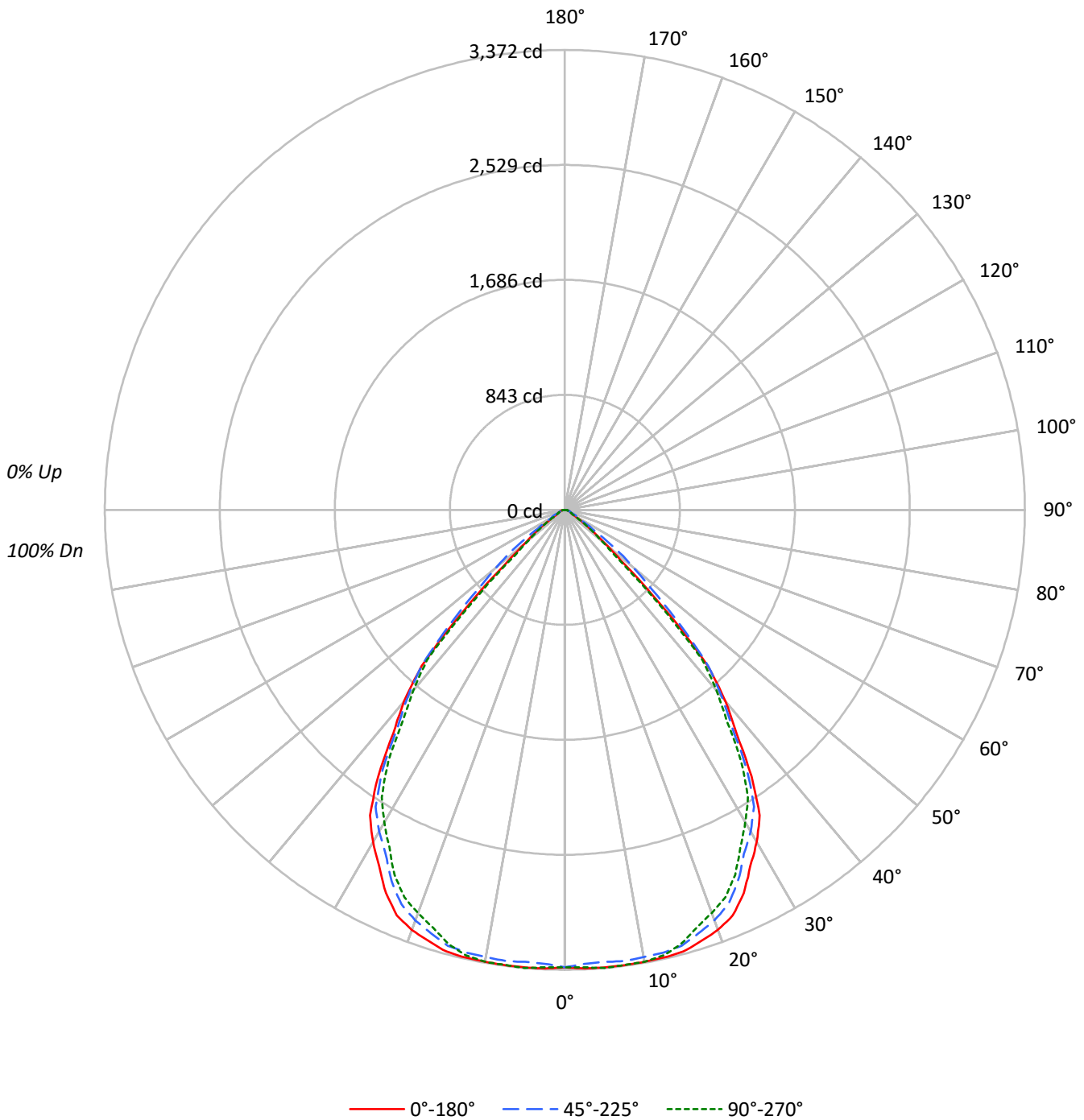
Lumens per Lamp: N/A
Luminaire Lumens: 5238.3 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.7
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





TEST NUMBER: P559741

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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91				91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83				83
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75				75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68				68
5	87	77	70	65	85	76	70	65	74	69	65	73	68	64	71	67	63	62				62
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56				56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51				51
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47				47
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43				43
10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40				40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	54150	54150	54150
5°	54576	53921	54653
10°	55159	54575	55174
15°	56043	55305	55079
20°	56319	55046	54055
25°	55258	53511	52602
30°	52431	50765	49329
35°	47015	45896	44475
40°	38598	37747	36368
45°	24135	27407	21895
50°	9543	16211	8528
55°	4631	7364	4574
60°	2173	3604	1989
65°	1948	2094	1876
70°	1907	1954	1770
75°	1859	1859	1678
80°	1785	1785	1609
85°	1612	1612	1612



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.4	6.1
10°-20°	936.6	17.9
20°-30°	1384.7	26.4
30°-40°	1430.8	27.3
40°-50°	860.9	16.4
50°-60°	206.9	4.0
60°-70°	56.5	1.1
70°-80°	31.5	0.6
80°-90°	9.9	0.2
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°	2641.8	50.4
0°-40°	4072.6	77.7
0°-60°	5140.5	98.1
0°-90°	5238.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5238.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3354	3354	3354	3354	3354	
5°	3367	3357	3327	3374	3372	321
15°	3353	3378	3309	3309	3295	945
25°	3102	3125	3004	2961	2953	1418
35°	2385	2380	2328	2284	2256	1468
45°	1057	1200	1200	1135	959	819
55°	164	185	262	177	162	167
65°	51	54	55	51	49	52
75°	30	32	30	29	27	31
85°	9	10	9	9	9	10
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3353.8	3353.8	3353.8	3353.8	3353.8
2.5°	3366.1	3357.8	3331.5	3362.1	3356.9
5°	3367.3	3356.9	3326.9	3373.9	3372.1
7.5°	3366.7	3361.2	3335.7	3371.9	3364.6
10°	3364.4	3367.2	3328.8	3368.2	3365.3
12.5°	3362.8	3375.4	3324.9	3352.7	3345.3
15°	3352.8	3378.2	3308.6	3309.2	3295.1
17.5°	3316.3	3347.1	3256.8	3230.1	3212.2
20°	3277.8	3307.9	3203.7	3163.9	3146.0
22.5°	3217.8	3245.6	3129.9	3089.3	3074.5
25°	3101.8	3125.3	3003.7	2961.2	2952.7
27.5°	2945.4	2955.4	2843.7	2802.0	2787.5
30°	2812.3	2813.2	2722.9	2673.2	2645.9
32.5°	2657.6	2651.1	2581.3	2531.4	2497.4
35°	2385.3	2379.6	2328.5	2283.7	2256.4
37.5°	2065.2	2064.2	2015.5	1976.8	1949.4
40°	1831.3	1837.8	1790.9	1742.4	1725.5
42.5°	1551.2	1599.9	1560.0	1507.1	1496.2
45°	1057.0	1200.0	1200.3	1134.8	958.9
47.5°	604.6	758.8	863.9	668.8	496.5
50°	379.9	496.5	645.4	407.2	339.5
52.5°	269.9	327.1	477.6	286.4	253.3
55°	164.5	185.2	261.6	176.7	162.5
57.5°	99.6	119.0	151.6	118.5	100.0
60°	67.3	85.2	111.6	78.5	61.6
62.5°	59.6	66.2	87.7	61.8	55.4
65°	51.0	53.8	54.8	50.9	49.1
67.5°	45.0	46.9	46.0	44.9	42.1
70°	40.4	42.3	41.4	40.3	37.5
72.5°	35.8	37.7	36.7	35.7	33.7
75°	29.8	31.7	29.8	28.8	26.9
77.5°	23.1	24.8	23.9	23.0	21.2
80°	19.2	20.2	19.2	19.2	17.3
82.5°	15.4	15.6	14.6	14.6	13.5
85°	8.7	9.6	8.7	8.7	8.7
87.5°	3.1	3.1	3.1	3.1	2.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)