

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: P559742

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

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-08
Report Number: P559742
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-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

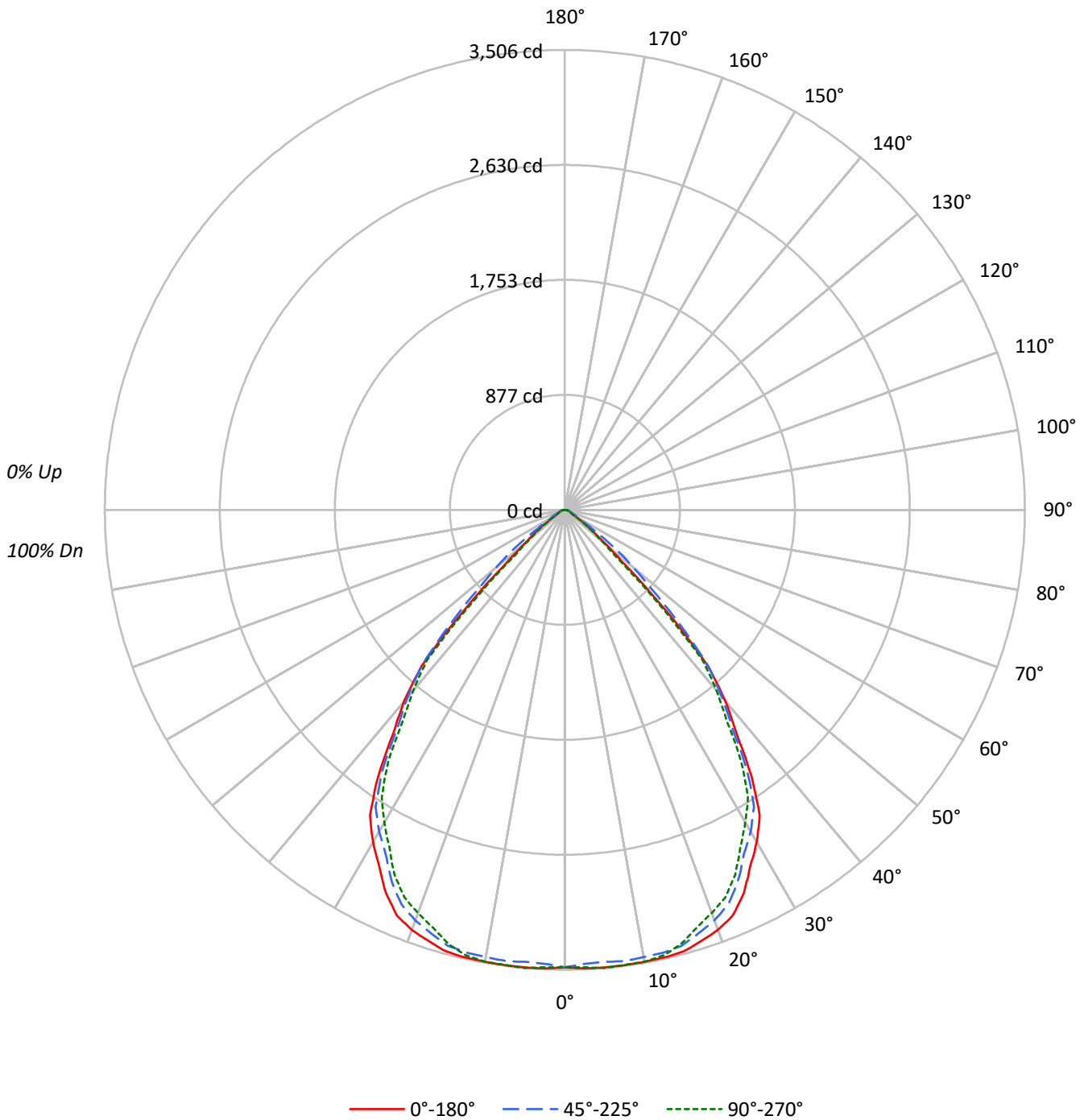
Lumens per Lamp: N/A
Luminaire Lumens: 5446.4 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

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





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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°	56301	56301	56301
5°	56743	56062	56824
10°	57349	56743	57366
15°	58270	57501	57267
20°	58556	57233	56202
25°	57453	55636	54692
30°	54514	52780	51289
35°	48882	47719	46241
40°	40130	39245	37812
45°	25094	28496	22765
50°	9922	16854	8867
55°	4814	7657	4757
60°	2260	3746	2067
65°	2025	2178	1948
70°	1983	2030	1841
75°	1934	1934	1747
80°	1860	1860	1674
85°	1667	1667	1667



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.2	6.1
10°-20°	973.8	17.9
20°-30°	1439.7	26.4
30°-40°	1487.7	27.3
40°-50°	895.1	16.4
50°-60°	215.1	3.9
60°-70°	58.8	1.1
70°-80°	32.7	0.6
80°-90°	10.3	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°	2746.7	50.4
0°-40°	4234.4	77.7
0°-60°	5344.6	98.1
0°-90°	5446.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5446.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3487	3487	3487	3487	3487	
5°	3501	3490	3459	3508	3506	334
15°	3486	3512	3440	3441	3426	983
25°	3225	3249	3123	3079	3070	1474
35°	2480	2474	2421	2374	2346	1526
45°	1099	1248	1248	1180	997	851
55°	171	192	272	184	169	174
65°	53	56	57	53	51	54
75°	31	33	31	30	28	32
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°	3487.0	3487.0	3487.0	3487.0	3487.0
2.5°	3499.8	3491.2	3463.8	3495.7	3490.2
5°	3501.0	3490.2	3459.0	3508.0	3506.0
7.5°	3500.4	3494.7	3468.2	3505.8	3498.2
10°	3498.0	3500.9	3461.0	3501.9	3499.0
12.5°	3496.4	3509.5	3457.0	3485.8	3478.2
15°	3486.0	3512.4	3440.0	3440.7	3426.0
17.5°	3448.0	3480.1	3386.2	3358.4	3339.8
20°	3408.0	3439.3	3331.0	3289.6	3271.0
22.5°	3345.6	3374.5	3254.2	3212.1	3196.6
25°	3225.0	3249.4	3123.0	3078.8	3070.0
27.5°	3062.4	3072.8	2956.6	2913.3	2898.2
30°	2924.0	2925.0	2831.0	2779.4	2751.0
32.5°	2763.2	2756.4	2683.8	2632.0	2596.6
35°	2480.0	2474.1	2421.0	2374.4	2346.0
37.5°	2147.2	2146.2	2095.6	2055.4	2026.8
40°	1904.0	1910.8	1862.0	1811.6	1794.0
42.5°	1612.8	1663.4	1622.0	1566.9	1555.6
45°	1099.0	1247.6	1248.0	1179.8	997.0
47.5°	628.6	789.0	898.2	695.3	516.2
50°	395.0	516.2	671.0	423.4	353.0
52.5°	280.6	340.0	496.6	297.8	263.4
55°	171.0	192.5	272.0	183.7	169.0
57.5°	103.6	123.7	157.6	123.2	104.0
60°	70.0	88.6	116.0	81.6	64.0
62.5°	62.0	68.8	91.2	64.2	57.6
65°	53.0	55.9	57.0	53.0	51.0
67.5°	46.8	48.8	47.8	46.7	43.8
70°	42.0	44.0	43.0	41.9	39.0
72.5°	37.2	39.2	38.2	37.2	35.0
75°	31.0	33.0	31.0	30.0	28.0
77.5°	24.0	25.8	24.8	24.0	22.0
80°	20.0	21.0	20.0	20.0	18.0
82.5°	16.0	16.2	15.2	15.2	14.0
85°	9.0	10.0	9.0	9.0	9.0
87.5°	3.2	3.2	3.2	3.2	2.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)