

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P709933

Luminaire Tested: DL2R-WB-M-125D-930-UNV-STD-W-4

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-2019
Report Number: P709933
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
Product Line: CORELITE
Catalog Number: DL2R-WB-M-125D-930-UNV-STD-W-4
Description: CORELITE DISCREET DL2R RECESSED LED LUMINAIRE
DOWNLIGHT 1250 LUMENS PER FOOT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

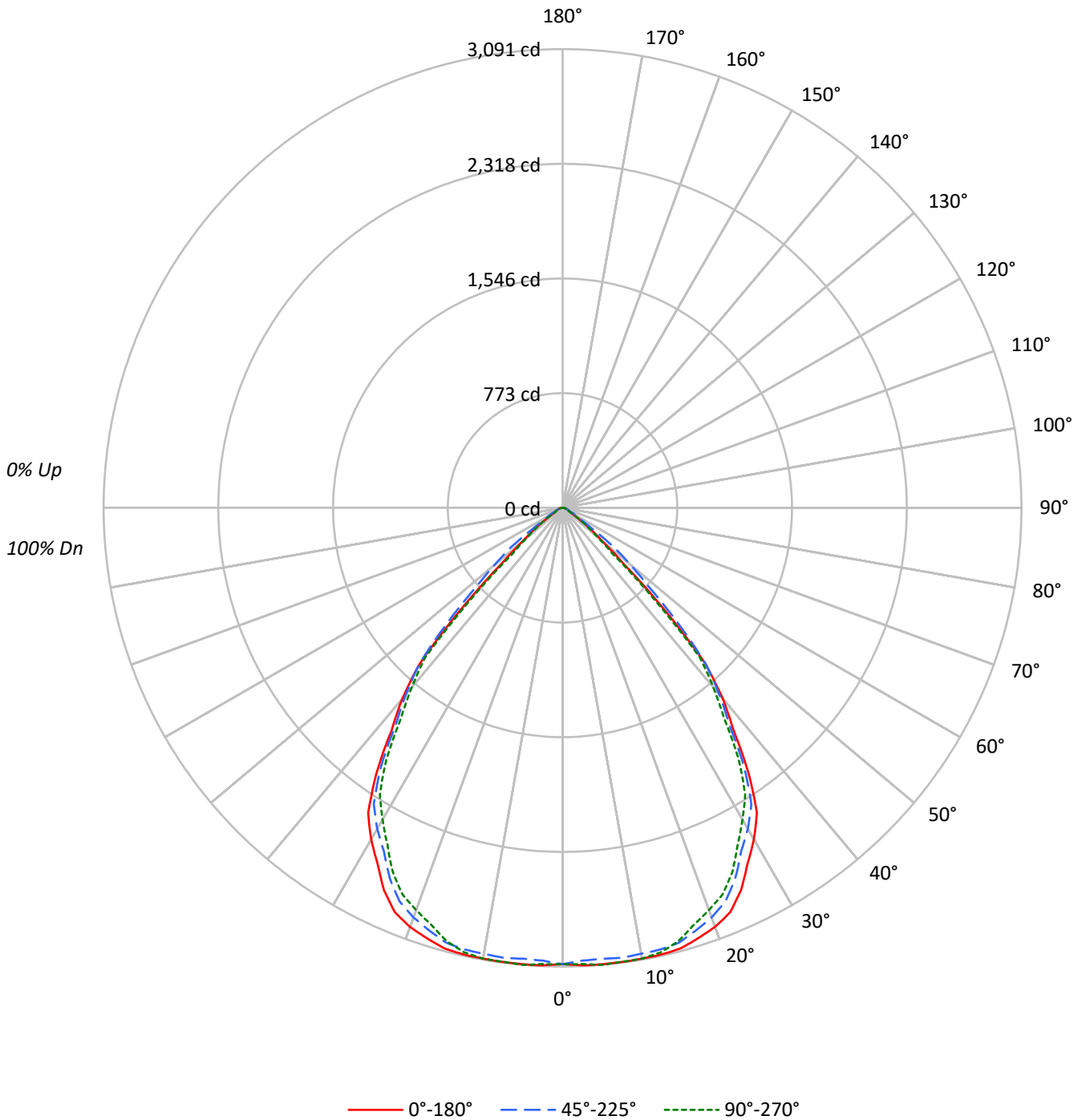
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4801.8 lumens
Efficiency: N/A
Efficacy: 105.3 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): 45.6
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

TEST NUMBER: P709933
CATALOG NUMBER: DL2R-WB-M-125D-930-UNV-STD-W-4

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	49637	49637	49637
5°	50028	49428	50099
10°	50562	50027	50577
15°	51373	50696	50489
20°	51625	50459	49550
25°	50653	49052	48218
30°	48061	46534	45218
35°	43097	42072	40769
40°	35382	34602	33337
45°	22124	25124	20071
50°	8746	14860	7817
55°	4245	6750	4194
60°	1992	3303	1824
65°	1788	1918	1719
70°	1747	1789	1624
75°	1703	1703	1541
80°	1636	1636	1478
85°	1482	1482	1482

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 25124 cd/sqm

TEST NUMBER: P709933

CATALOG NUMBER: DL2R-WB-M-125D-930-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.7	6.1
10°-20°	858.6	17.9
20°-30°	1269.3	26.4
30°-40°	1311.6	27.3
40°-50°	789.2	16.4
50°-60°	189.7	4.0
60°-70°	51.8	1.1
70°-80°	28.8	0.6
80°-90°	9.1	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°	2421.6	50.4
0°-40°	3733.2	77.7
0°-60°	4712.1	98.1
0°-90°	4801.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4801.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3074	3074	3074	3074	3074	
5°	3087	3077	3050	3093	3091	295
15°	3073	3097	3033	3033	3020	866
25°	2843	2865	2753	2714	2707	1300
35°	2186	2181	2134	2093	2068	1346
45°	969	1100	1100	1040	879	751
55°	151	170	240	162	149	153
65°	47	49	50	47	45	47
75°	27	29	27	26	25	29
85°	8	9	8	8	8	9
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3074.3	3074.3	3074.3	3074.3	3074.3
2.5°	3085.6	3078.0	3053.9	3081.9	3077.2
5°	3086.7	3077.2	3049.7	3092.7	3091.1
7.5°	3086.1	3081.1	3057.7	3090.9	3084.2
10°	3084.0	3086.6	3051.4	3087.5	3084.9
12.5°	3082.6	3094.1	3047.8	3073.3	3066.5
15°	3073.4	3096.7	3032.9	3033.4	3020.5
17.5°	3039.9	3068.2	2985.4	2960.9	2944.5
20°	3004.6	3032.2	2936.7	2900.2	2883.8
22.5°	2949.6	2975.1	2869.1	2831.9	2818.3
25°	2843.3	2864.9	2753.4	2714.4	2706.6
27.5°	2700.0	2709.1	2606.7	2568.5	2555.2
30°	2577.9	2578.8	2496.0	2450.4	2425.4
32.5°	2436.1	2430.2	2366.2	2320.4	2289.3
35°	2186.5	2181.3	2134.5	2093.4	2068.4
37.5°	1893.1	1892.2	1847.5	1812.1	1787.0
40°	1678.7	1684.6	1641.7	1597.2	1581.7
42.5°	1421.9	1466.6	1430.0	1381.5	1371.5
45°	968.9	1100.0	1100.3	1040.2	879.0
47.5°	554.2	695.6	791.9	613.1	455.1
50°	348.2	455.1	591.6	373.3	311.2
52.5°	247.4	299.8	437.8	262.5	232.2
55°	150.8	169.8	239.8	162.0	149.0
57.5°	91.3	109.1	139.0	108.6	91.7
60°	61.7	78.1	102.3	72.0	56.5
62.5°	54.6	60.7	80.4	56.6	50.8
65°	46.8	49.3	50.2	46.7	45.0
67.5°	41.2	43.0	42.2	41.2	38.6
70°	37.0	38.8	37.9	36.9	34.4
72.5°	32.8	34.6	33.6	32.7	30.9
75°	27.3	29.1	27.3	26.4	24.7
77.5°	21.2	22.7	21.9	21.1	19.4
80°	17.6	18.5	17.6	17.6	15.9
82.5°	14.1	14.3	13.4	13.4	12.4
85°	8.0	8.8	8.0	8.0	8.0
87.5°	2.8	2.8	2.8	2.8	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)