

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: P709922

Luminaire Tested: DL2R-BB-M-125D-935-UNV-STD-W-4

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-2019
Report Number: P709922
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
Product Line: CORELITE
Catalog Number: DL2R-BB-M-125D-935-UNV-STD-W-4
Description: CORELITE DISCREET DL2R RECESSED LED LUMINAIRE
DOWNLIGHT 1250 LUMENS PER FOOT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

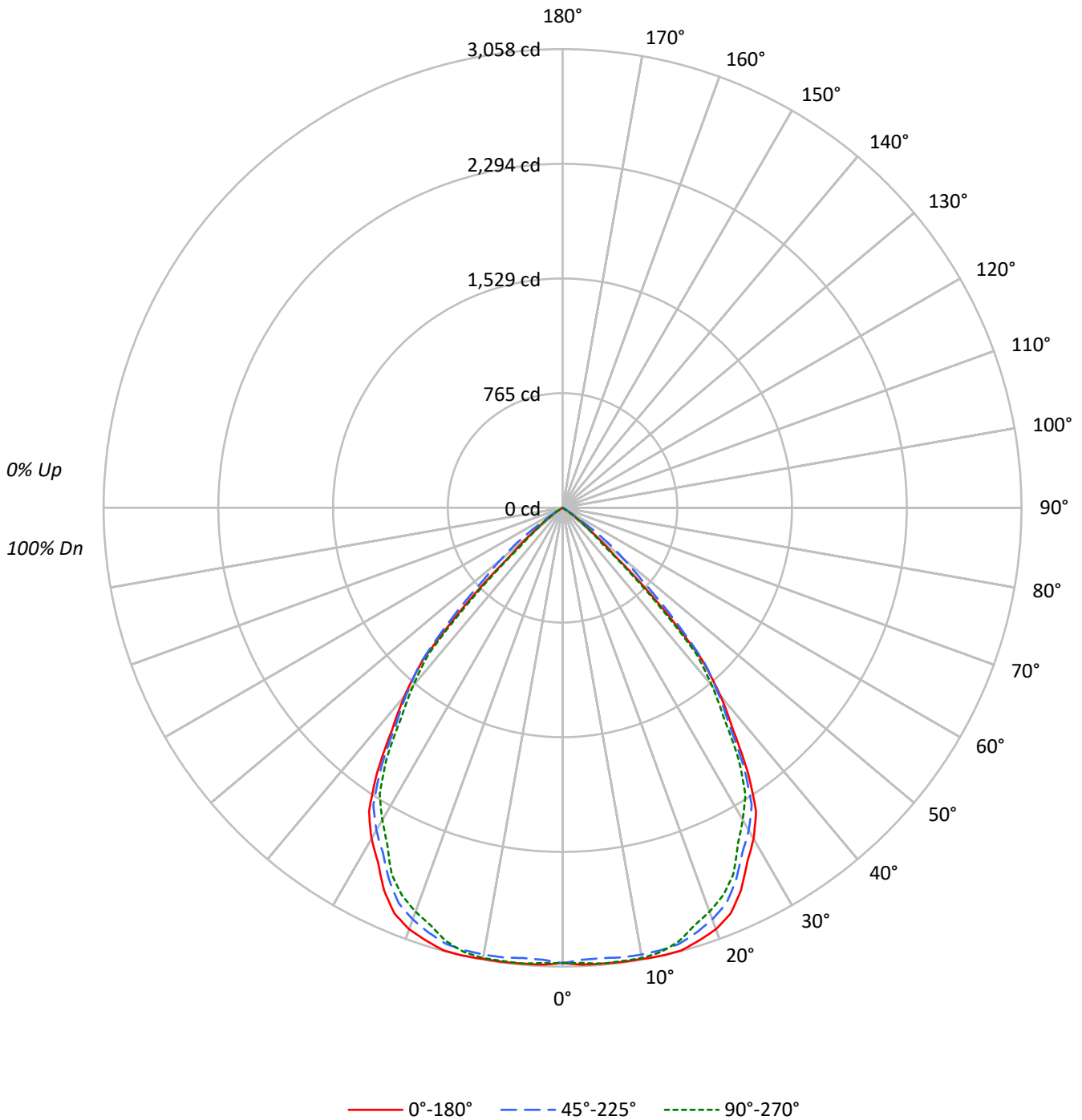
Lumens per Lamp: N/A
Luminaire Lumens: 4580.6 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

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: P709922

CATALOG NUMBER: DL2R-BB-M-125D-935-UNV-STD-W-4

Luminous Intensity Polar Plot



TEST NUMBER: P709922

CATALOG NUMBER: DL2R-BB-M-125D-935-UNV-STD-W-4

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°	48990	48990	48990
5°	49430	48820	49430
10°	50060	49580	49955
15°	51069	50288	50012
20°	51361	50165	49204
25°	50117	48729	47995
30°	47459	46262	44760
35°	42441	41447	40292
40°	34564	34062	32671
45°	21098	23902	19004
50°	6885	13378	6056
55°	2348	4723	2426
60°	178	1363	58
65°	34	69	0
70°	0	42	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 23943 cd/sqm

TEST NUMBER: P709922

CATALOG NUMBER: DL2R-BB-M-125D-935-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.4	6.3
10°-20°	852.6	18.6
20°-30°	1260.1	27.5
30°-40°	1295.0	28.3
40°-50°	748.0	16.3
50°-60°	129.6	2.8
60°-70°	4.8	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°	2403.1	52.5
0°-40°	3698.1	80.7
0°-60°	4575.7	99.9
0°-90°	4580.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4580.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3034	3034	3034	3034	3034	
5°	3050	3041	3012	3056	3050	291
15°	3055	3078	3008	3014	2992	861
25°	2813	2838	2735	2704	2694	1286
35°	2153	2154	2103	2070	2044	1325
45°	924	1049	1047	991	832	706
55°	83	97	168	95	86	93
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	

TEST NUMBER: P709922

CATALOG NUMBER: DL2R-BB-M-125D-935-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3034.2	3034.2	3034.2	3034.2	3034.2
2.5°	3048.1	3039.5	3015.1	3042.8	3036.4
5°	3049.8	3040.8	3012.2	3056.0	3049.8
7.5°	3052.7	3047.1	3022.6	3057.1	3047.0
10°	3053.4	3054.3	3024.1	3054.2	3047.0
12.5°	3057.8	3066.6	3021.2	3045.3	3033.1
15°	3055.2	3077.6	3008.5	3013.5	2992.0
17.5°	3024.4	3056.7	2968.0	2946.3	2919.4
20°	2989.2	3021.5	2919.6	2890.5	2863.7
22.5°	2926.9	2962.0	2852.8	2821.0	2796.2
25°	2813.2	2838.4	2735.3	2704.0	2694.1
27.5°	2663.6	2672.6	2592.9	2551.4	2528.4
30°	2545.6	2543.8	2481.4	2433.9	2400.8
32.5°	2399.6	2408.6	2345.8	2301.2	2267.3
35°	2153.2	2154.2	2102.8	2070.2	2044.2
37.5°	1865.8	1861.3	1825.8	1781.8	1767.2
40°	1639.9	1646.2	1616.1	1566.2	1550.1
42.5°	1378.1	1419.6	1398.3	1339.5	1319.8
45°	924.0	1048.6	1046.8	991.0	832.3
47.5°	472.8	628.7	722.5	565.9	379.7
50°	274.1	372.7	532.6	294.0	241.1
52.5°	173.6	220.6	378.6	191.0	160.4
55°	83.4	96.9	167.8	95.1	86.2
57.5°	30.4	45.3	74.4	46.3	32.6
60°	5.5	19.0	42.2	12.6	1.8
62.5°	1.8	5.2	24.6	3.2	1.1
65°	0.9	0.9	1.8	0.9	0.0
67.5°	0.0	0.9	0.9	0.0	0.0
70°	0.0	0.9	0.9	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)