

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: P709935

Luminaire Tested: DL2R-WB-M-125D-940-UNV-STD-W-4

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-2019
Report Number: P709935
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-940-UNV-STD-W-4
Description: CORELITE DISCREET DL2R RECESSED LED LUMINAIRE
DOWNLIGHT 1250 LUMENS PER FOOT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

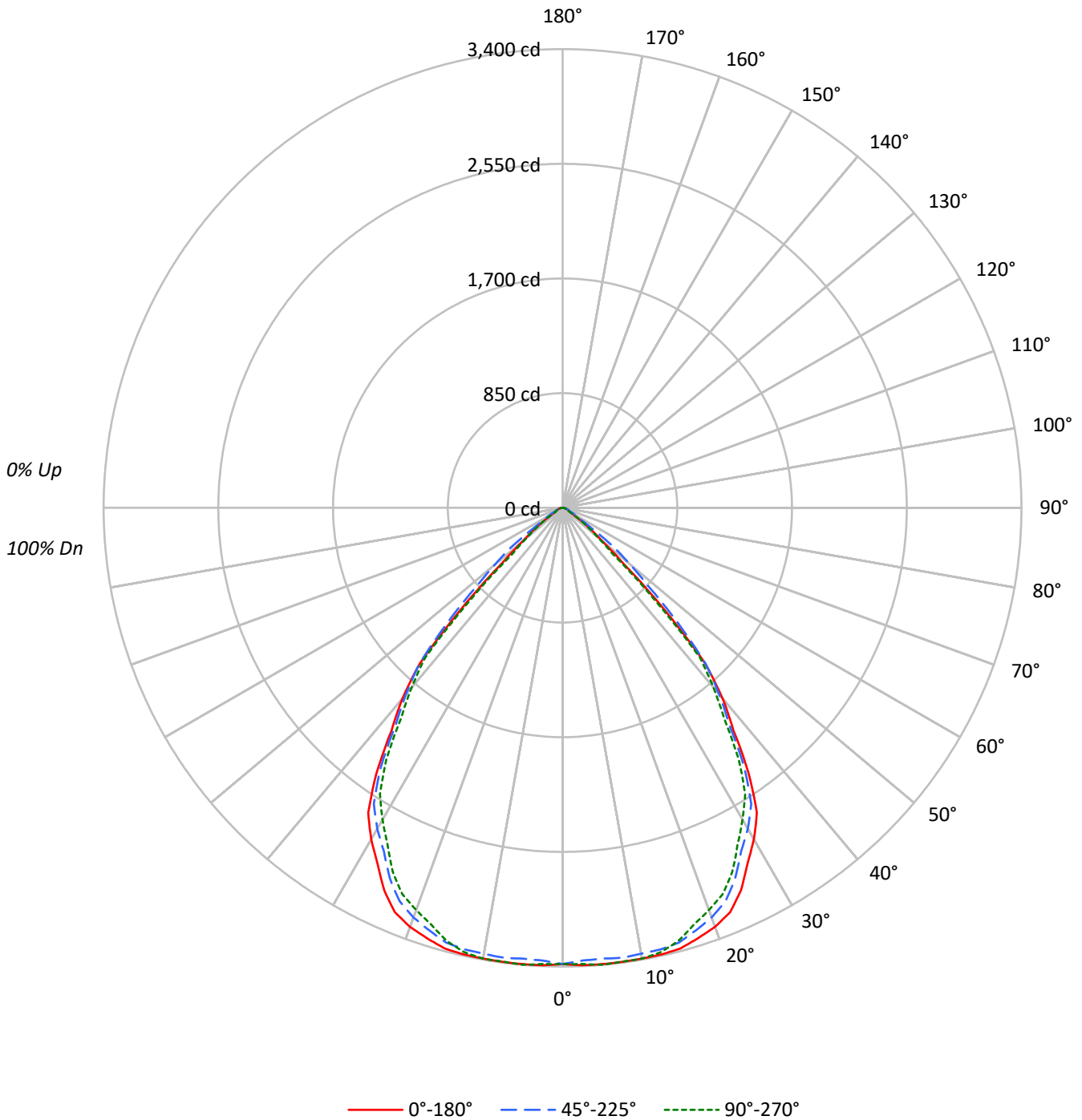
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5280.9 lumens
Efficiency: N/A
Efficacy: 115.8 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: P709935
CATALOG NUMBER: DL2R-WB-M-125D-940-UNV-STD-W-4

Luminous Intensity Polar Plot



TEST NUMBER: P709935

CATALOG NUMBER: DL2R-WB-M-125D-940-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	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°	54589	54589	54589
5°	55018	54358	55097
10°	55608	55018	55623
15°	56500	55754	55527
20°	56778	55495	54496
25°	55707	53945	53030
30°	52858	51177	49730
35°	47398	46270	44835
40°	38912	38054	36663
45°	24332	27631	22073
50°	9620	16342	8598
55°	4667	7423	4614
60°	2189	3633	2005
65°	1964	2113	1887
70°	1921	1969	1789
75°	1878	1878	1691
80°	1804	1804	1618
85°	1612	1612	1612

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 27631 cd/sqm

TEST NUMBER: P709935

CATALOG NUMBER: DL2R-WB-M-125D-940-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.1	6.1
10°-20°	944.2	17.9
20°-30°	1396.0	26.4
30°-40°	1442.5	27.3
40°-50°	868.0	16.4
50°-60°	208.6	3.9
60°-70°	57.0	1.1
70°-80°	31.7	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°	2663.3	50.4
0°-40°	4105.7	77.7
0°-60°	5182.3	98.1
0°-90°	5280.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5280.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3381	3381	3381	3381	3381	
5°	3395	3384	3354	3401	3400	324
15°	3380	3406	3336	3336	3322	953
25°	3127	3151	3028	2985	2977	1429
35°	2405	2399	2348	2302	2275	1480
45°	1066	1210	1210	1144	967	826
55°	166	187	264	178	164	169
65°	51	54	55	51	49	52
75°	30	32	30	29	27	32
85°	9	10	9	9	9	10
90°	0	0	0	0	0	

TEST NUMBER: P709935

CATALOG NUMBER: DL2R-WB-M-125D-940-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3381.0	3381.0	3381.0	3381.0	3381.0
2.5°	3393.5	3385.2	3358.6	3389.5	3384.2
5°	3394.6	3384.2	3353.9	3401.4	3399.5
7.5°	3394.0	3388.6	3362.8	3399.3	3391.9
10°	3391.8	3394.6	3355.8	3395.5	3392.7
12.5°	3390.2	3402.8	3352.0	3379.9	3372.5
15°	3380.1	3405.7	3335.5	3336.1	3321.9
17.5°	3343.3	3374.3	3283.3	3256.4	3238.3
20°	3304.5	3334.8	3229.8	3189.6	3171.7
22.5°	3244.0	3272.0	3155.4	3114.5	3099.5
25°	3127.0	3150.8	3028.1	2985.3	2976.7
27.5°	2969.4	2979.4	2866.8	2824.7	2810.1
30°	2835.2	2836.1	2745.0	2694.9	2667.4
32.5°	2679.2	2672.6	2602.2	2552.0	2517.7
35°	2404.7	2399.0	2347.5	2302.2	2274.7
37.5°	2081.9	2081.0	2032.0	1992.9	1965.2
40°	1846.2	1852.8	1805.5	1756.6	1739.5
42.5°	1563.8	1612.9	1572.7	1519.4	1508.4
45°	1065.6	1209.7	1210.1	1144.0	966.7
47.5°	609.5	765.0	870.9	674.2	500.5
50°	383.0	500.6	650.6	410.6	342.3
52.5°	272.1	329.7	481.5	288.8	255.4
55°	165.8	186.6	263.7	178.1	163.9
57.5°	100.5	120.0	152.8	119.4	100.8
60°	67.8	85.9	112.5	79.1	62.1
62.5°	60.1	66.7	88.5	62.3	55.8
65°	51.4	54.3	55.3	51.3	49.4
67.5°	45.4	47.3	46.4	45.3	42.4
70°	40.7	42.6	41.7	40.7	37.9
72.5°	36.0	37.9	37.0	36.0	33.9
75°	30.1	32.0	30.1	29.1	27.1
77.5°	23.3	24.9	24.0	23.2	21.4
80°	19.4	20.3	19.4	19.3	17.4
82.5°	15.5	15.7	14.8	14.7	13.6
85°	8.7	9.7	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)