

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: P1057068

Luminaire Tested: CB3R-120D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057068
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3R-120D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
DIRECT ONLY
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9597.4 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Direct

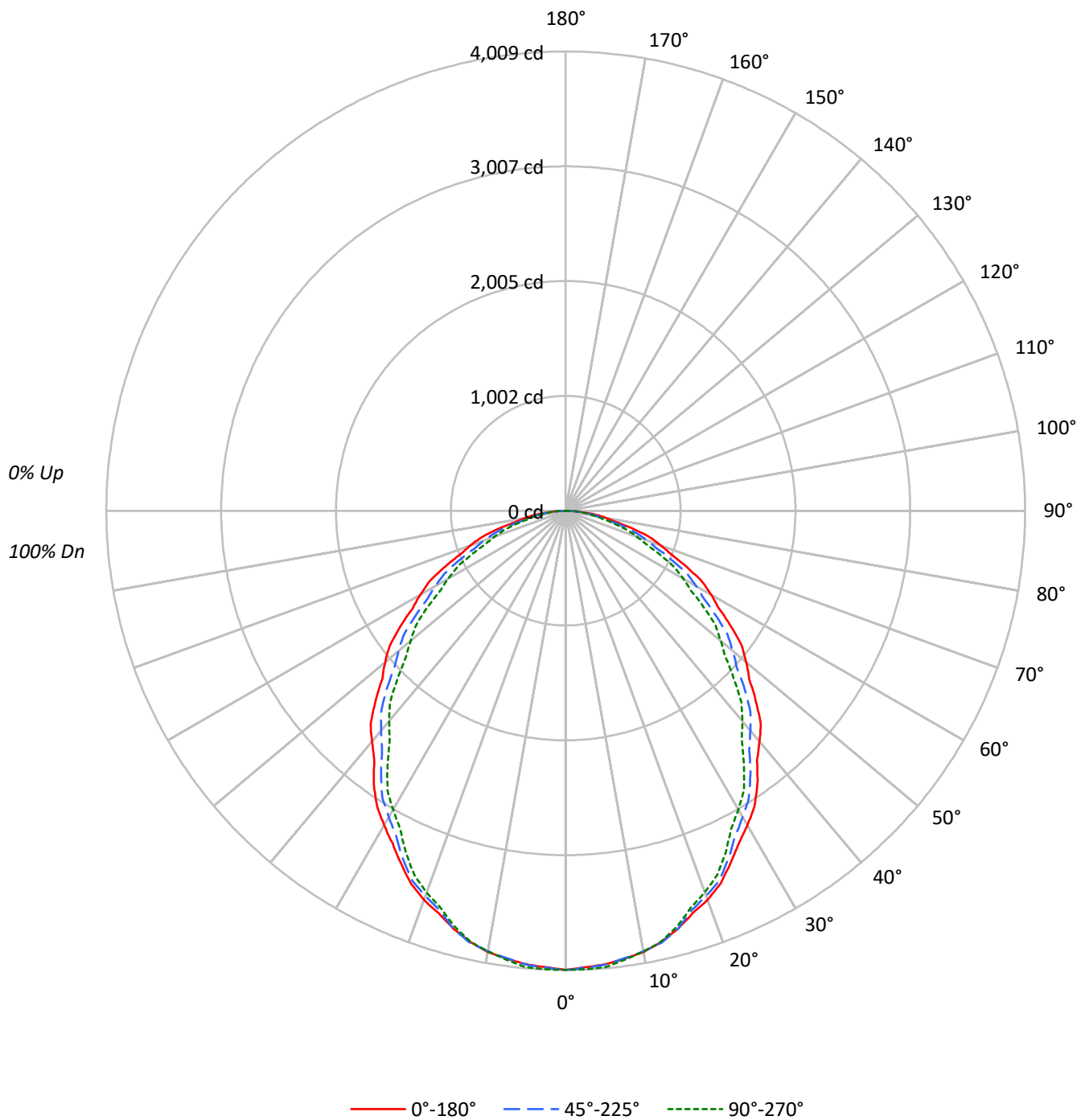
Input Watts (W): 76.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63
4	84	72	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55
5	78	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22678	22678	22678
5°	22571	22587	22717
10°	22472	22439	22439
15°	22128	22128	21994
20°	21768	21546	21357
25°	21219	20953	20580
30°	20700	20161	19677
35°	20155	19407	18719
40°	19428	18503	17704
45°	18769	17699	16605
50°	18092	16739	15536
55°	17354	15810	14519
60°	16558	14850	13368
65°	15626	13758	12157
70°	14553	12480	10831
75°	13194	10953	9646
80°	11500	9184	8532
85°	8873	7763	7763

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18769 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.2	3.9
10°-20°	1062.6	11.1
20°-30°	1543.8	16.1
30°-40°	1755.3	18.3
40°-50°	1704.0	17.8
50°-60°	1438.6	15.0
60°-70°	1023.5	10.7
70°-80°	546.9	5.7
80°-90°	144.5	1.5
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°	2984.7	31.1
0°-40°	4739.9	49.4
0°-60°	7882.5	82.1
0°-90°	9597.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9597.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4009	4009	4009	4009	4009	
5°	3975	4025	3977	3972	4000	377
15°	3778	3812	3778	3755	3755	1064
25°	3399	3411	3357	3311	3297	1566
35°	2918	2890	2810	2727	2710	1819
45°	2346	2310	2212	2106	2076	1810
55°	1760	1712	1603	1500	1472	1573
65°	1167	1126	1028	936	908	1156
75°	604	570	501	450	441	643
85°	137	126	120	120	120	168
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4008.7	4008.7	4008.7	4008.7	4008.7
2.5°	3988.2	4028.3	3992.8	3997.5	4006.4
5°	3974.6	4024.7	3977.4	3972.3	4000.2
7.5°	3943.8	3989.5	3940.4	3929.0	3954.1
10°	3911.9	3962.0	3906.2	3892.3	3906.2
12.5°	3855.0	3907.3	3862.9	3839.9	3851.6
15°	3778.1	3811.5	3778.1	3755.3	3755.3
17.5°	3684.2	3719.2	3656.2	3640.2	3634.0
20°	3615.8	3646.4	3578.8	3555.8	3547.5
22.5°	3524.7	3553.1	3496.8	3457.9	3447.3
25°	3399.4	3410.6	3356.7	3310.9	3296.9
27.5°	3273.6	3276.4	3202.4	3146.8	3128.4
30°	3168.8	3171.6	3086.3	3026.2	3012.2
32.5°	3064.1	3055.7	2974.7	2903.3	2893.8
35°	2918.3	2890.4	2810.1	2727.1	2710.4
37.5°	2742.3	2725.6	2630.7	2547.6	2522.5
40°	2630.7	2602.9	2505.5	2422.3	2397.3
42.5°	2519.1	2486.8	2387.0	2294.7	2267.4
45°	2346.0	2309.8	2212.2	2106.2	2075.5
47.5°	2171.8	2132.2	2024.9	1922.2	1888.2
50°	2055.6	2013.9	1901.9	1801.4	1765.2
52.5°	1937.2	1893.2	1781.1	1678.6	1649.0
55°	1759.5	1712.2	1602.9	1499.8	1472.0
57.5°	1581.9	1535.1	1426.4	1328.8	1295.4
60°	1463.4	1418.9	1312.5	1215.0	1181.5
62.5°	1342.7	1300.4	1196.4	1101.1	1069.9
65°	1167.3	1125.6	1027.8	936.1	908.2
67.5°	993.6	958.0	861.5	777.3	755.1
70°	879.8	846.3	754.5	677.1	654.8
72.5°	770.4	734.8	647.4	581.6	566.0
75°	603.6	570.2	501.1	449.7	441.3
77.5°	451.0	423.7	363.9	334.7	330.3
80°	353.0	328.0	281.9	261.9	261.9
82.5°	261.9	241.3	211.3	202.7	202.7
85°	136.7	125.5	119.6	119.6	119.6
87.5°	41.0	41.0	38.7	36.4	36.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)