

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: P1057067

Luminaire Tested: CB3R-120D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057067
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-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
DIRECT ONLY
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8796.7 lumens
Efficiency: N/A
Efficacy: 114.7 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

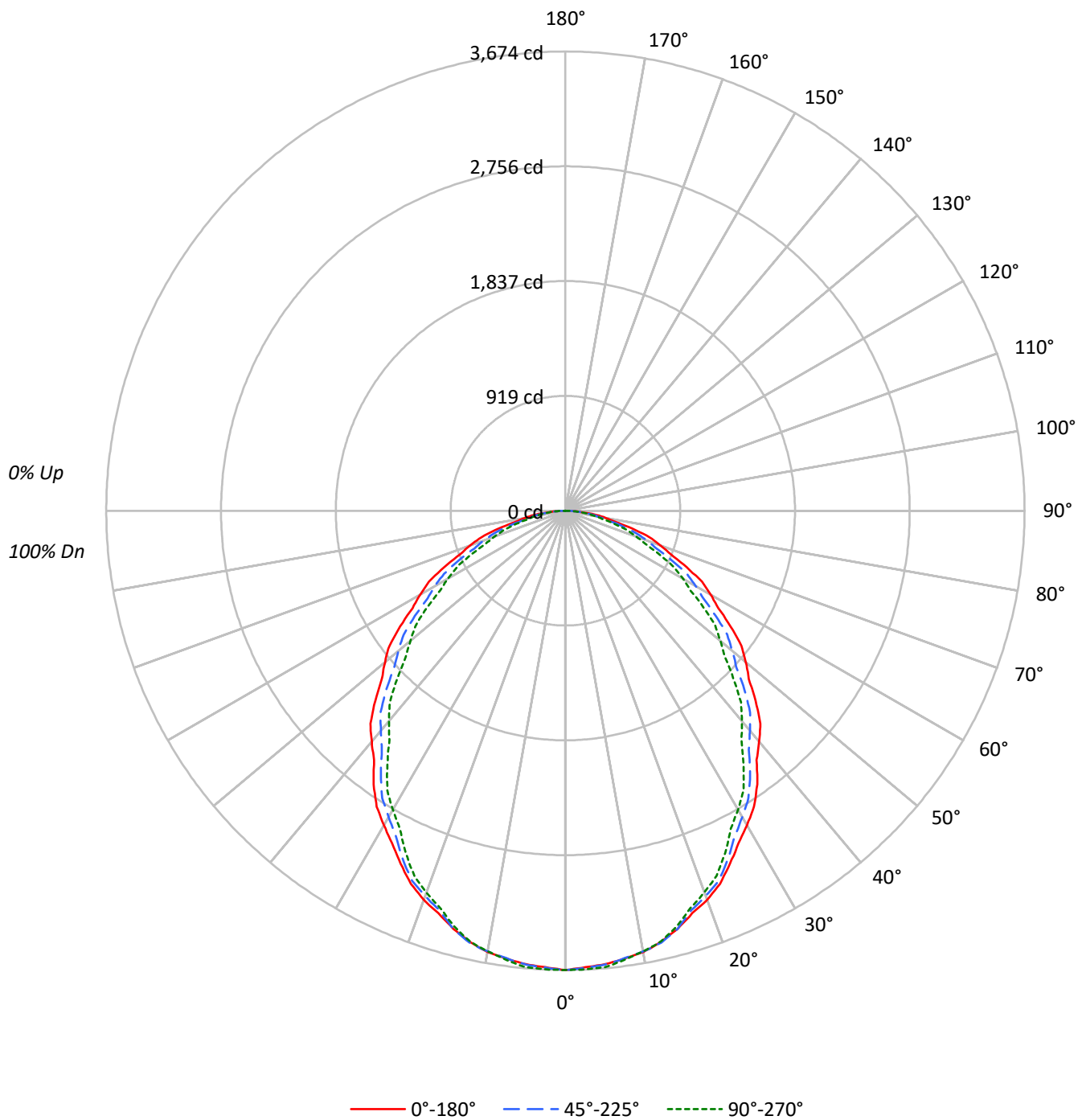
Input Watts (W): 76.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	20787	20787	20787
5°	20688	20703	20821
10°	20597	20567	20567
15°	20282	20282	20159
20°	19952	19748	19575
25°	19449	19205	18863
30°	18973	18479	18036
35°	18473	17788	17157
40°	17807	16959	16227
45°	17204	16222	15220
50°	16582	15342	14239
55°	15906	14491	13306
60°	15176	13611	12254
65°	14322	12611	11144
70°	13339	11438	9928
75°	12092	10039	8842
80°	10543	8415	7822
85°	8133	7114	7114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17204 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.7	3.9
10°-20°	974.0	11.1
20°-30°	1415.0	16.1
30°-40°	1608.8	18.3
40°-50°	1561.8	17.8
50°-60°	1318.6	15.0
60°-70°	938.2	10.7
70°-80°	501.2	5.7
80°-90°	132.4	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°	2735.7	31.1
0°-40°	4344.5	49.4
0°-60°	7224.8	82.1
0°-90°	8796.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8796.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3674	3674	3674	3674	3674	
5°	3643	3689	3646	3641	3666	346
15°	3463	3494	3463	3442	3442	975
25°	3116	3126	3077	3035	3022	1436
35°	2675	2649	2576	2500	2484	1667
45°	2150	2117	2028	1930	1902	1659
55°	1613	1569	1469	1375	1349	1442
65°	1070	1032	942	858	832	1060
75°	553	523	459	412	404	590
85°	125	115	110	110	110	154
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3674.3	3674.3	3674.3	3674.3	3674.3
2.5°	3655.5	3692.2	3659.7	3664.0	3672.2
5°	3643.0	3688.9	3645.6	3640.9	3666.4
7.5°	3614.8	3656.6	3611.6	3601.2	3624.2
10°	3585.5	3631.5	3580.3	3567.6	3580.3
12.5°	3533.4	3581.3	3540.7	3519.5	3530.2
15°	3462.9	3493.5	3462.9	3442.0	3442.0
17.5°	3376.8	3408.9	3351.2	3336.5	3330.9
20°	3314.1	3342.2	3280.2	3259.2	3251.5
22.5°	3230.6	3256.7	3205.1	3169.4	3159.7
25°	3115.8	3126.0	3076.7	3034.6	3021.9
27.5°	3000.5	3003.0	2935.2	2884.2	2867.4
30°	2904.4	2907.0	2828.8	2773.7	2760.9
32.5°	2808.4	2800.8	2726.5	2661.0	2652.4
35°	2674.8	2649.3	2575.6	2499.6	2484.3
37.5°	2513.5	2498.2	2411.2	2335.0	2312.1
40°	2411.2	2385.7	2296.4	2220.2	2197.3
42.5°	2308.9	2279.3	2187.9	2103.3	2078.3
45°	2150.3	2117.1	2027.6	1930.4	1902.4
47.5°	1990.6	1954.3	1855.9	1761.8	1730.7
50°	1884.1	1845.8	1743.2	1651.1	1617.9
52.5°	1775.5	1735.2	1632.5	1538.5	1511.5
55°	1612.7	1569.3	1469.2	1374.7	1349.1
57.5°	1449.9	1407.0	1307.4	1218.0	1187.4
60°	1341.3	1300.5	1203.0	1113.6	1083.0
62.5°	1230.7	1191.9	1096.5	1009.3	980.7
65°	1069.9	1031.6	942.1	858.0	832.5
67.5°	910.7	878.1	789.7	712.5	692.1
70°	806.4	775.7	691.5	620.6	600.2
72.5°	706.1	673.5	593.4	533.1	518.8
75°	553.2	522.6	459.3	412.1	404.5
77.5°	413.4	388.3	333.5	306.8	302.7
80°	323.6	300.6	258.3	240.1	240.1
82.5°	240.1	221.2	193.6	185.8	185.8
85°	125.3	115.1	109.6	109.6	109.6
87.5°	37.6	37.6	35.5	33.4	33.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)