

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1439175

Luminaire Tested: CB3-055U-055D-830-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439175
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-055U-055D-830-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

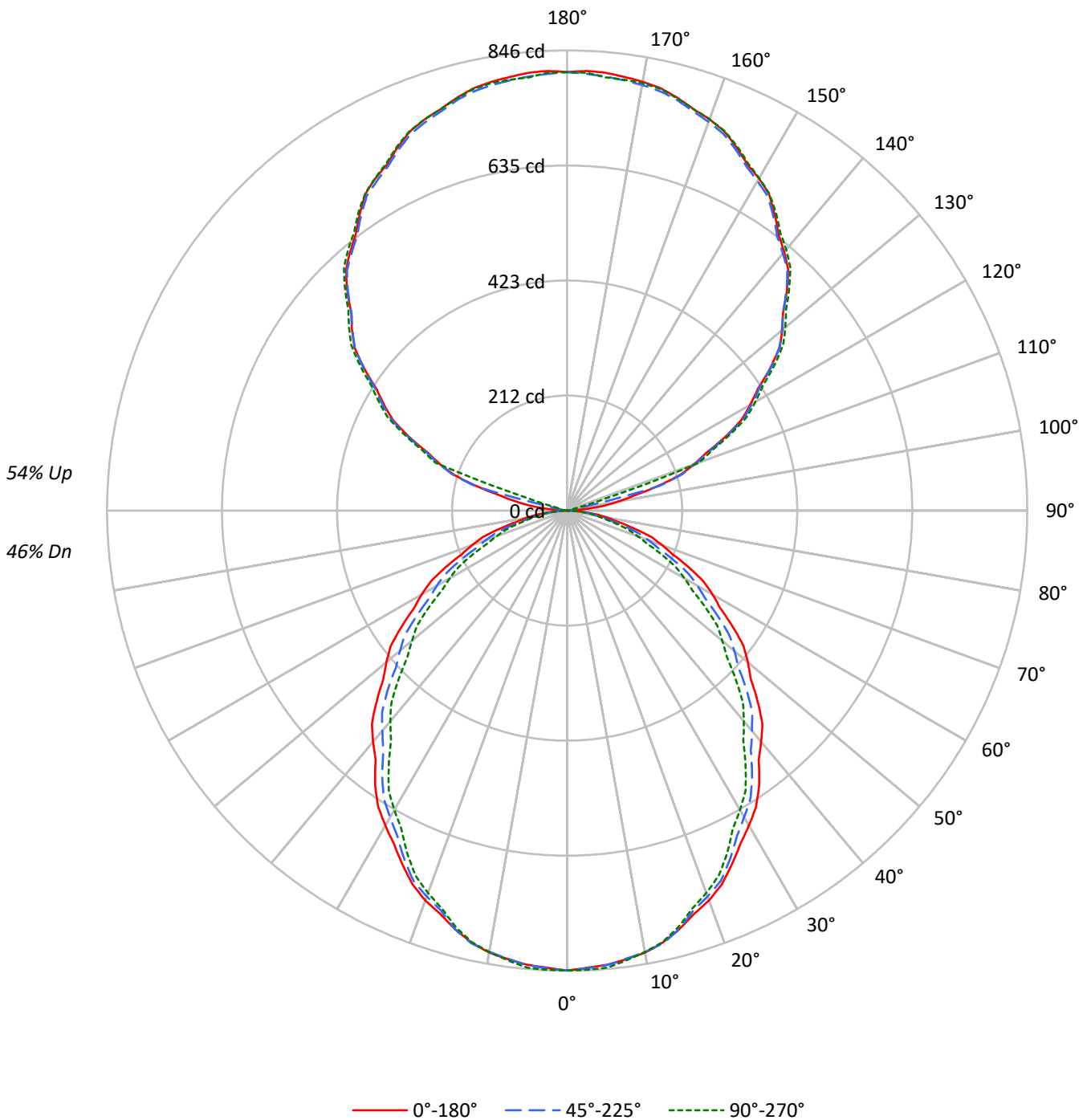
Lumens per Lamp: N/A
Luminaire Lumens: 4403.1 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 32.5
Input Voltage (V): 120
Input Current (A_{in}): 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: P1439175

CATALOG NUMBER: CB3-055U-055D-830-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P1439175

CATALOG NUMBER: CB3-055U-055D-830-1D-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	50	30	10	50	30	10	0		
RCR																										
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46					46			
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	47	46	45	39					39			
2	88	81	75	70	81	75	70	65	63	59	56	52	49	47	41	39	38	33					33			
3	81	72	64	59	74	66	60	55	55	51	47	46	42	40	37	34	32	28					28			
4	74	63	56	50	68	59	52	46	49	44	40	41	37	34	33	30	28	24					24			
5	68	57	49	43	62	52	45	40	44	39	35	37	33	30	30	27	24	21					21			
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19					19			
7	58	46	38	32	53	42	35	31	36	31	27	30	26	23	25	22	19	17					17			
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15					15			
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	21	18	16	13					13			
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	19	16	14	12					12			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9566	9566	9566
5°	9521	9528	9583
10°	9480	9466	9466
15°	9333	9333	9277
20°	9182	9088	9009
25°	8951	8839	8682
30°	8731	8504	8300
35°	8502	8187	7897
40°	8194	7805	7468
45°	7917	7466	7005
50°	7632	7060	6553
55°	7320	6669	6125
60°	6986	6264	5639
65°	6591	5804	5130
70°	6140	5263	4569
75°	5565	4621	4070
80°	4854	3870	3597
85°	3739	3271	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7917 cd/sqm



TEST NUMBER: P1439175

CATALOG NUMBER: CB3-055U-055D-830-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.8	1.8
10°-20°	224.1	5.1
20°-30°	325.6	7.4
30°-40°	370.2	8.4
40°-50°	359.4	8.2
50°-60°	303.4	6.9
60°-70°	215.9	4.9
70°-80°	115.4	2.6
80°-90°	30.5	0.7
90°-100°	18.6	0.4
100°-110°	134.8	3.1
110°-120°	320.5	7.3
120°-130°	409.5	9.3
130°-140°	441.7	10.0
140°-150°	416.4	9.5
150°-160°	339.7	7.7
160°-170°	221.3	5.0
170°-180°	76.5	1.7
0°-30°	629.5	14.3
0°-40°	999.7	22.7
0°-60°	1662.5	37.8
0°-90°	2024.2	46.0
90°-120°	473.9	10.8
90°-150°	1741.4	39.5
90°-180°	2379.0	54.0
0°-180°	4403.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	846	846	846	846	846	
5°	838	849	839	838	844	80
15°	797	804	797	792	792	224
25°	717	719	708	698	695	330
35°	616	610	593	575	572	384
45°	495	487	467	444	438	382
55°	371	361	338	316	310	332
65°	246	237	217	197	192	244
75°	127	120	106	95	93	136
85°	29	26	25	25	25	34
90°	0	0	0	1	0	2
95°	34	6	8	8	8	42
105°	171	173	176	13	13	180
115°	320	322	323	328	330	316
125°	455	458	457	462	465	406
135°	572	575	570	574	578	440
145°	665	669	661	665	669	416
155°	737	743	733	734	739	340
165°	785	790	781	779	784	222
175°	808	812	801	797	799	77
180°	806	806	806	806	806	



TEST NUMBER: P1439175

CATALOG NUMBER: CB3-055U-055D-830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	845.5	845.5	845.5	845.5	845.5
2.5°	841.2	849.6	842.1	843.1	845.0
5°	838.3	848.8	838.9	837.8	843.7
7.5°	831.8	841.4	831.1	828.7	834.0
10°	825.1	835.6	823.9	820.9	823.9
12.5°	813.1	824.1	814.7	809.9	812.3
15°	796.8	803.9	796.8	792.0	792.0
17.5°	777.0	784.4	771.1	767.8	766.5
20°	762.6	769.1	754.8	750.0	748.2
22.5°	743.4	749.4	737.5	729.3	727.1
25°	717.0	719.3	708.0	698.3	695.4
27.5°	690.4	691.0	675.4	663.7	659.8
30°	668.3	668.9	650.9	638.3	635.3
32.5°	646.2	644.5	627.4	612.3	610.3
35°	615.5	609.6	592.7	575.2	571.7
37.5°	578.4	574.9	554.8	537.3	532.0
40°	554.8	549.0	528.4	510.9	505.6
42.5°	531.3	524.5	503.4	484.0	478.2
45°	494.8	487.2	466.6	444.2	437.8
47.5°	458.1	449.7	427.1	405.4	398.2
50°	433.6	424.7	401.1	379.9	372.3
52.5°	408.6	399.3	375.7	354.0	347.8
55°	371.1	361.1	338.1	316.3	310.5
57.5°	333.6	323.8	300.8	280.3	273.2
60°	308.7	299.3	276.8	256.2	249.2
62.5°	283.2	274.3	252.3	232.2	225.7
65°	246.2	237.4	216.8	197.4	191.6
67.5°	209.6	202.1	181.7	163.9	159.2
70°	185.6	178.5	159.1	142.8	138.1
72.5°	162.5	155.0	136.6	122.7	119.4
75°	127.3	120.3	105.7	94.8	93.1
77.5°	95.1	89.4	76.7	70.6	69.7
80°	74.5	69.2	59.4	55.2	55.2
82.5°	55.2	50.9	44.6	42.8	42.8
85°	28.8	26.5	25.2	25.2	25.2
87.5°	8.6	8.6	8.2	7.8	7.7
90°	0.0	0.0	0.0	0.6	0.0
92.5°	9.2	3.5	2.9	3.5	3.4
95°	34.0	6.1	7.9	8.5	8.5
97.5°	68.5	67.2	9.2	11.1	11.2
100°	94.8	97.7	9.7	11.6	12.1
102.5°	123.9	126.4	18.0	12.0	12.6
105°	170.7	173.1	175.5	12.8	13.4
107.5°	217.2	219.0	220.6	198.6	74.3
110°	247.8	249.6	250.3	256.4	257.5

TEST NUMBER: P1439175

CATALOG NUMBER: CB3-055U-055D-830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	276.5	278.8	279.9	285.1	287.2
115°	320.1	322.5	323.2	328.1	329.8
117.5°	361.5	364.0	365.2	369.1	372.0
120°	388.8	391.7	392.4	397.3	399.7
122.5°	415.5	418.9	418.6	423.1	426.4
125°	455.0	457.9	456.8	461.7	464.7
127.5°	492.5	494.3	491.8	497.8	500.3
130°	516.3	518.1	515.1	520.6	523.6
132.5°	538.2	540.9	537.5	542.5	545.5
135°	571.6	574.6	569.8	574.1	577.7
137.5°	601.4	604.9	599.2	604.2	607.3
140°	620.8	624.4	617.1	622.7	626.3
142.5°	638.8	643.3	634.6	639.7	643.8
145°	665.1	669.3	660.9	665.2	668.8
147.5°	690.2	693.7	685.7	688.8	691.3
150°	705.2	708.8	699.8	702.9	705.8
152.5°	717.4	722.4	713.4	715.5	719.9
155°	736.8	742.8	732.6	734.5	739.2
157.5°	754.7	760.0	749.8	751.5	755.6
160°	765.4	770.7	760.5	761.2	765.4
162.5°	773.6	778.5	769.7	768.5	773.6
165°	785.4	789.6	781.2	778.8	784.2
167.5°	795.2	800.0	789.7	787.7	793.8
170°	800.6	805.3	794.5	791.6	798.2
172.5°	804.0	808.3	797.9	794.0	799.1
175°	807.9	812.0	801.2	797.0	799.4
177.5°	809.0	812.3	803.6	799.9	805.6
180°	806.1	806.1	806.1	806.1	806.1



TEST NUMBER: P1439175
 CATALOG NUMBER: CB3-055U-055D-830-1D-UNV-STD-W-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.61	15.43	15.60	16.43	17.76	13.53	14.35	14.52	15.35	16.68
	3H	16.27	17.00	17.28	18.02	19.37	14.94	15.67	15.95	16.68	18.03
	4H	16.90	17.59	17.92	18.61	19.97	15.46	16.15	16.47	17.16	18.52
	6H	17.28	17.92	18.31	18.94	20.31	15.77	16.41	16.80	17.43	18.80
	8H	17.42	18.03	18.45	19.06	20.43	15.89	16.50	16.93	17.54	18.90
	12H	17.49	18.06	18.52	19.09	20.48	15.97	16.54	17.01	17.57	18.96
4H	2H	15.01	15.70	16.04	16.72	18.08	14.15	14.85	15.18	15.86	17.22
	3H	16.90	17.48	17.93	18.52	19.89	15.77	16.35	16.80	17.39	18.76
	4H	17.65	18.17	18.68	19.21	20.60	16.37	16.90	17.41	17.94	19.33
	6H	18.15	18.60	19.19	19.66	21.05	16.78	17.24	17.83	18.30	19.68
	8H	18.34	18.76	19.39	19.81	21.22	16.95	17.38	18.00	18.43	19.83
	12H	18.43	18.81	19.50	19.88	21.29	17.06	17.44	18.12	18.50	19.91
8H	4H	17.77	18.19	18.82	19.25	20.65	16.63	17.05	17.68	18.11	19.51
	6H	18.39	18.74	19.46	19.83	21.23	17.16	17.51	18.23	18.60	20.00
	8H	18.66	18.97	19.74	20.05	21.47	17.41	17.72	18.49	18.79	20.22
	12H	18.83	19.10	19.91	20.17	21.63	17.58	17.85	18.67	18.93	20.39
12H	4H	17.74	18.12	18.81	19.19	20.60	16.63	17.01	17.70	18.08	19.49
	6H	18.40	18.71	19.48	19.79	21.21	17.21	17.52	18.29	18.60	20.02
	8H	18.70	18.97	19.79	20.05	21.51	17.49	17.77	18.58	18.84	20.30