

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: P1439011

Luminaire Tested: CB2-D-055U-030D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439011
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-055U-030D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

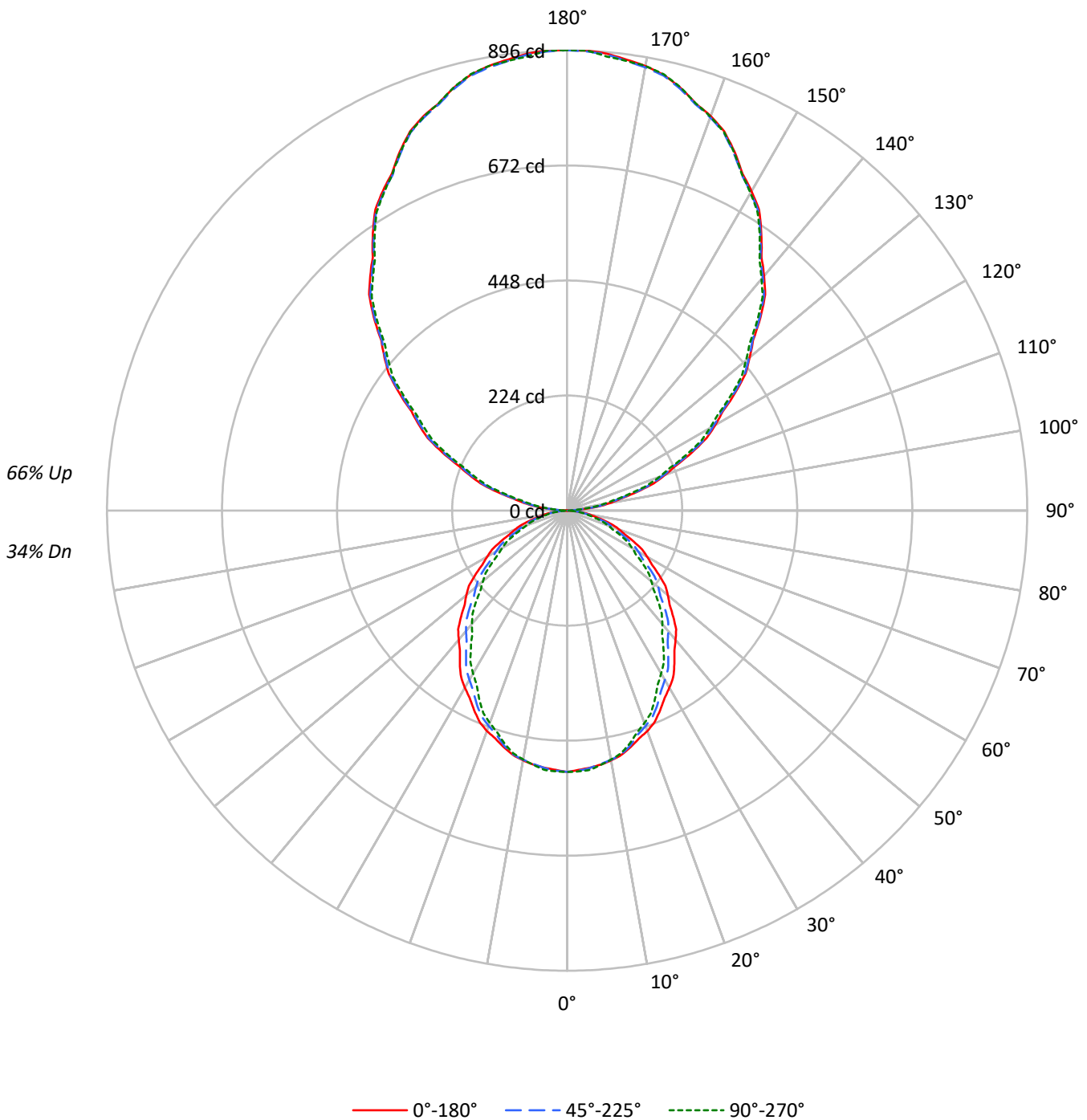
Lumens per Lamp: N/A
Luminaire Lumens: 3472.9 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 25.7
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: P1439011

CATALOG NUMBER: CB2-D-055U-030D-930-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P1439011

CATALOG NUMBER: CB2-D-055U-030D-930-1D-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	0	
RCR																						
0	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42	34				
1	94	90	86	83	85	82	78	76	65	63	61	51	49	48	37	36	35	29				
2	86	79	73	68	77	71	66	62	57	54	51	45	42	40	33	31	30	25				
3	78	69	62	57	71	63	57	52	51	46	43	39	37	34	29	27	26	21				
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22	18				
5	66	55	47	41	59	50	43	38	40	35	32	32	28	25	23	21	19	16				
6	61	49	41	36	55	45	38	33	36	31	27	29	25	22	21	19	17	14				
7	56	44	36	31	50	40	34	29	33	28	24	26	22	20	19	17	15	12				
8	52	40	33	27	47	37	30	25	30	25	21	24	20	18	18	15	14	11				
9	48	36	29	24	44	33	27	23	27	23	19	22	18	16	17	14	12	10				
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11	9				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8862	8862	8862
5°	8787	8801	8863
10°	8737	8716	8709
15°	8599	8542	8473
20°	8463	8276	8159
25°	8237	8004	7779
30°	8009	7655	7365
35°	7746	7297	6951
40°	7467	6962	6555
45°	7188	6611	6170
50°	6937	6270	5796
55°	6626	5915	5442
60°	6270	5577	5089
65°	5893	5201	4735
70°	5474	4782	4288
75°	4980	4327	3883
80°	4453	3791	3521
85°	3417	3118	2578

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7188 cd/sqm



TEST NUMBER: P1439011

CATALOG NUMBER: CB2-D-055U-030D-930-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	1.4
10°-20°	133.4	3.8
20°-30°	191.8	5.5
30°-40°	215.6	6.2
40°-50°	208.2	6.0
50°-60°	175.9	5.1
60°-70°	126.4	3.6
70°-80°	69.1	2.0
80°-90°	18.4	0.5
90°-100°	34.7	1.0
100°-110°	142.8	4.1
110°-120°	259.3	7.5
120°-130°	352.8	10.2
130°-140°	407.3	11.7
140°-150°	410.5	11.8
150°-160°	354.2	10.2
160°-170°	240.1	6.9
170°-180°	84.7	2.4
0°-30°	373.0	10.7
0°-40°	588.6	16.9
0°-60°	972.7	28.0
0°-90°	1186.5	34.2
90°-120°	436.8	12.6
90°-150°	1607.4	46.3
90°-180°	2286.0	65.8
0°-180°	3472.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	509	509	509	509	509	
5°	503	509	503	503	507	48
15°	477	481	474	469	470	134
25°	429	429	416	407	405	197
35°	364	360	343	330	327	228
45°	292	286	268	254	250	225
55°	218	210	195	183	179	195
65°	143	138	126	117	115	142
75°	74	70	64	59	58	79
85°	17	16	16	14	13	20
90°	0	0	1	0	1	2
95°	34	30	28	22	22	39
105°	141	139	136	128	127	150
115°	268	268	263	255	254	265
125°	399	403	395	387	387	357
135°	532	538	529	520	523	410
145°	659	667	657	649	654	412
155°	771	779	768	763	769	355
165°	852	861	850	846	853	240
175°	893	903	891	885	887	85
180°	896	896	896	896	896	

TEST NUMBER: P1439011

CATALOG NUMBER: CB2-D-055U-030D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	508.8	508.8	508.8	508.8	508.8
2.5°	505.4	511.5	506.9	507.6	508.5
5°	502.6	509.4	503.4	503.4	506.9
7.5°	499.0	505.5	497.8	496.4	499.6
10°	494.0	500.5	492.8	490.2	492.4
12.5°	487.5	493.6	486.3	482.1	484.0
15°	476.9	481.1	473.7	469.1	469.9
17.5°	465.3	467.9	457.4	453.5	452.7
20°	456.6	458.9	446.5	441.0	440.2
22.5°	445.4	447.4	434.3	427.6	426.5
25°	428.6	428.9	416.5	407.1	404.8
27.5°	410.9	409.7	395.9	384.8	381.8
30°	398.2	396.6	380.6	368.9	366.2
32.5°	384.5	381.7	365.7	353.0	350.3
35°	364.3	360.1	343.2	329.9	326.9
37.5°	342.8	338.0	321.5	307.0	303.6
40°	328.4	323.1	306.2	291.7	288.3
42.5°	314.1	308.1	290.9	276.4	272.7
45°	291.8	285.7	268.4	254.3	250.5
47.5°	270.6	262.8	246.1	232.0	228.2
50°	256.0	247.6	231.4	217.7	213.9
52.5°	241.0	232.3	216.8	203.7	199.9
55°	218.2	210.2	194.8	182.6	179.2
57.5°	195.6	187.9	173.8	162.2	158.9
60°	180.0	173.5	160.1	149.1	146.1
62.5°	165.0	159.2	146.4	136.4	133.3
65°	143.0	137.6	126.2	117.2	114.9
67.5°	121.6	116.2	107.0	98.9	96.3
70°	107.5	102.2	93.9	86.4	84.2
72.5°	94.1	88.5	81.7	74.9	73.2
75°	74.0	69.5	64.3	59.2	57.7
77.5°	56.3	51.8	48.1	44.5	44.1
80°	44.4	40.6	37.8	35.4	35.1
82.5°	33.2	30.3	28.4	26.7	26.6
85°	17.1	16.0	15.6	13.6	12.9
87.5°	5.0	5.0	4.5	3.7	3.9
90°	0.0	0.0	0.7	0.0	0.7
92.5°	8.4	7.3	6.9	4.5	5.2
95°	33.6	29.5	28.0	21.7	21.7
97.5°	63.4	59.3	57.1	50.6	49.2
100°	84.6	80.5	78.3	71.3	69.9
102.5°	106.4	104.5	100.7	93.1	91.7
105°	141.3	139.2	135.7	127.9	126.6
107.5°	177.1	177.5	172.2	165.8	163.9
110°	202.8	202.1	197.9	191.6	190.2



TEST NUMBER: P1439011

CATALOG NUMBER: CB2-D-055U-030D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	229.1	227.9	223.6	217.3	215.9
115°	268.5	267.8	262.9	255.2	254.5
117.5°	306.0	308.2	302.4	294.3	294.0
120°	332.9	335.6	328.7	321.6	320.3
122.5°	359.2	362.4	355.5	347.4	347.7
125°	399.3	403.4	395.1	386.7	387.4
127.5°	438.0	443.1	435.4	426.9	427.7
130°	464.3	470.5	462.2	453.2	454.5
132.5°	491.2	497.3	489.1	479.5	482.0
135°	532.2	538.3	529.4	519.7	523.1
137.5°	570.8	576.9	567.1	559.0	563.1
140°	596.5	602.6	592.3	584.7	588.8
142.5°	621.7	628.9	618.0	609.9	615.1
145°	659.4	667.0	656.6	649.1	653.8
147.5°	695.2	702.8	692.3	685.0	689.9
150°	718.2	725.7	714.7	708.5	714.0
152.5°	739.4	748.0	736.5	730.4	737.5
155°	771.3	778.8	767.8	763.1	769.2
157.5°	799.0	807.8	796.8	792.7	797.6
160°	817.5	825.7	814.7	810.6	816.1
162.5°	831.5	840.2	829.8	825.2	831.7
165°	852.4	861.3	850.3	845.6	853.1
167.5°	868.9	878.4	867.3	862.4	870.1
170°	879.0	887.9	876.2	870.8	879.0
172.5°	885.7	895.2	882.9	877.5	882.9
175°	893.0	902.6	890.9	885.3	887.4
177.5°	896.5	904.1	894.8	889.9	896.5
180°	896.5	896.5	896.5	896.5	896.5



TEST NUMBER: P1439011
 CATALOG NUMBER: CB2-D-055U-030D-930-1D-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	12.90	13.63	13.99	14.71	16.20	11.80	12.53	12.89	13.61	15.09
	3H	14.54	15.19	15.63	16.28	17.78	13.32	13.97	14.41	15.06	16.56
	4H	15.16	15.78	16.26	16.87	18.38	13.89	14.51	14.99	15.60	17.10
	6H	15.56	16.13	16.67	17.22	18.74	14.25	14.82	15.37	15.92	17.43
	8H	15.70	16.24	16.82	17.35	18.86	14.39	14.93	15.50	16.04	17.55
	12H	15.77	16.28	16.89	17.39	18.92	14.45	14.96	15.57	16.07	17.60
4H	2H	13.30	13.91	14.41	15.01	16.51	12.42	13.04	13.53	14.13	15.64
	3H	15.15	15.67	16.27	16.79	18.30	14.14	14.66	15.26	15.78	17.30
	4H	15.89	16.37	17.02	17.48	19.01	14.81	15.29	15.93	16.39	17.93
	6H	16.41	16.81	17.53	17.94	19.47	15.28	15.69	16.41	16.82	18.35
	8H	16.61	16.99	17.74	18.11	19.66	15.47	15.84	16.59	16.97	18.51
	12H	16.71	17.05	17.85	18.19	19.74	15.55	15.89	16.69	17.03	18.58
8H	4H	16.04	16.42	17.17	17.54	19.09	15.08	15.45	16.20	16.58	18.12
	6H	16.68	16.99	17.82	18.15	19.70	15.67	15.99	16.82	17.15	18.69
	8H	16.97	17.24	18.12	18.38	19.95	15.95	16.22	17.10	17.37	18.93
	12H	17.13	17.37	18.29	18.52	20.11	16.09	16.33	17.25	17.47	19.07
12H	4H	16.01	16.36	17.16	17.49	19.04	15.07	15.42	16.22	16.55	18.10
	6H	16.70	16.98	17.86	18.12	19.69	15.74	16.01	16.89	17.15	18.72
	8H	17.01	17.25	18.17	18.40	19.99	16.04	16.27	17.19	17.42	19.02