

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: P1439541

Luminaire Tested: CB3-D-055U-055D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439541
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-055U-055D-935-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

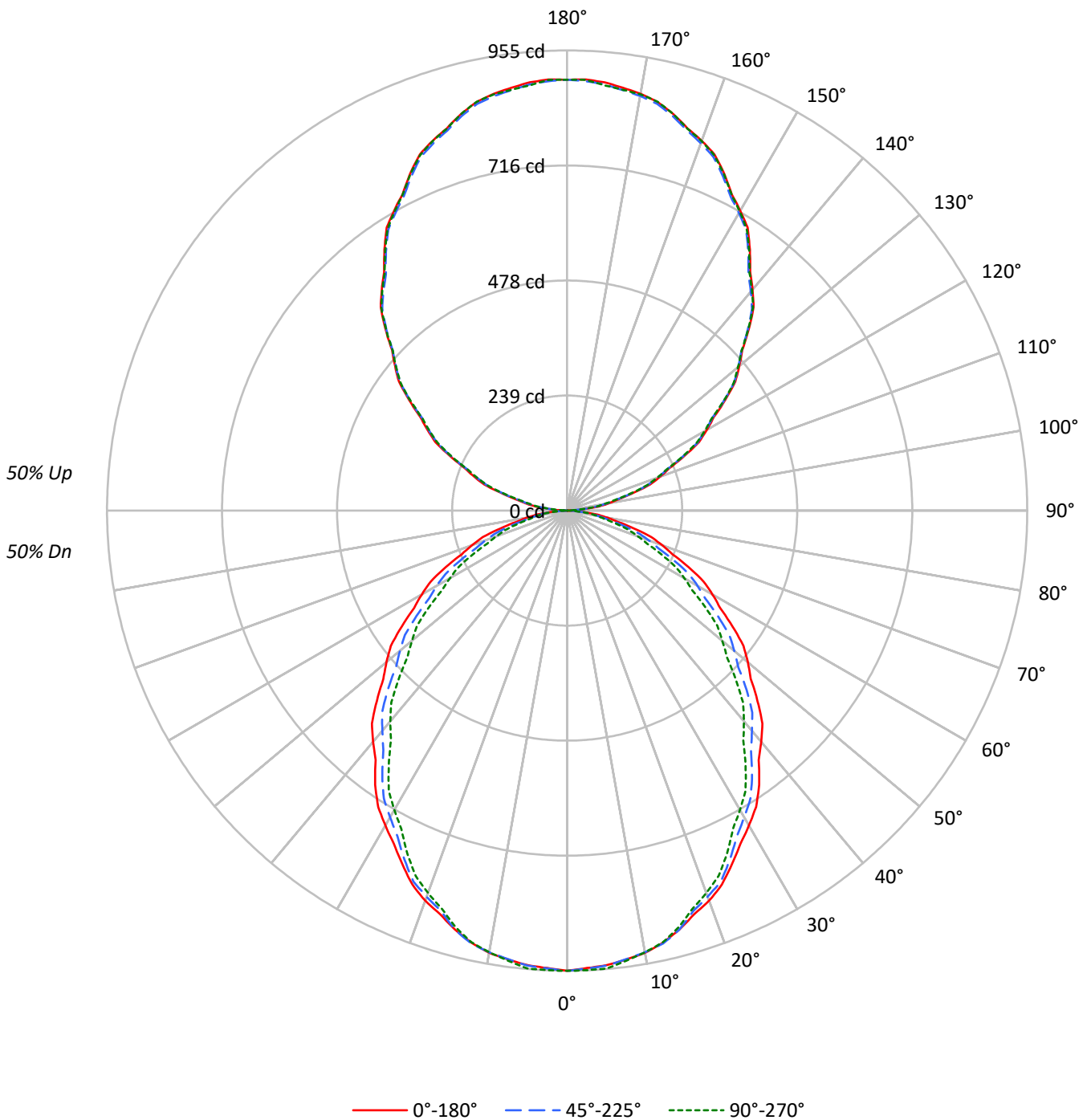
Lumens per Lamp: N/A
Luminaire Lumens: 4590.3 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

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

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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	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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50				
1	98	94	90	86	90	87	83	80	73	71	69	61	59	58	50	49	48	42				
2	89	82	76	71	82	76	71	66	64	61	57	54	51	49	44	42	40	36				
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35	30				
4	75	64	56	50	69	59	53	47	51	45	41	43	39	36	35	32	30	26				
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	32	29	26	23				
6	63	51	43	37	58	48	41	35	41	35	31	35	30	27	29	26	23	20				
7	59	46	38	33	54	43	36	31	37	32	28	32	27	24	26	23	21	18				
8	54	42	34	29	50	39	32	28	34	28	25	29	25	21	24	21	19	16				
9	51	38	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17	15				
10	47	35	28	23	44	33	27	22	29	23	20	25	20	18	21	18	15	13				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10807	10807	10807
5°	10756	10764	10833
10°	10709	10693	10693
15°	10545	10545	10481
20°	10374	10268	10170
25°	10105	9977	9800
30°	9857	9600	9370
35°	9597	9242	8913
40°	9252	8810	8431
45°	8938	8428	7908
50°	8615	7970	7398
55°	8263	7528	6914
60°	7884	7072	6366
65°	7440	6551	5788
70°	6931	5941	5157
75°	6282	5215	4595
80°	5480	4372	4066
85°	4219	3700	3700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8938 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	2.0
10°-20°	253.2	5.5
20°-30°	367.7	8.0
30°-40°	417.9	9.1
40°-50°	405.7	8.8
50°-60°	342.5	7.5
60°-70°	243.7	5.3
70°-80°	130.2	2.8
80°-90°	34.4	0.7
90°-100°	37.8	0.8
100°-110°	147.8	3.2
110°-120°	263.5	5.7
120°-130°	356.6	7.8
130°-140°	410.0	8.9
140°-150°	411.4	9.0
150°-160°	353.8	7.7
160°-170°	239.5	5.2
170°-180°	84.5	1.8
0°-30°	711.0	15.5
0°-40°	1128.9	24.6
0°-60°	1877.1	40.9
0°-90°	2285.5	49.8
90°-120°	449.1	9.8
90°-150°	1627.1	35.4
90°-180°	2305.0	50.2
0°-180°	4590.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	955	955	955	955	955	
5°	947	959	948	946	954	90
15°	900	908	900	895	895	254
25°	809	812	799	788	785	373
35°	695	688	669	649	645	433
45°	559	550	527	502	494	431
55°	419	408	382	357	350	375
65°	278	268	245	223	216	275
75°	144	136	119	107	105	153
85°	32	30	28	28	28	39
90°	0	0	0	0	0	3
95°	36	33	30	27	28	41
105°	143	143	138	136	134	153
115°	269	270	264	263	263	266
125°	400	405	397	396	396	358
135°	534	539	530	526	531	411
145°	661	666	656	652	658	413
155°	771	778	765	762	770	355
165°	852	859	848	843	852	240
175°	892	900	888	883	886	85
180°	894	894	894	894	894	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	955.1	955.1	955.1	955.1	955.1
2.5°	950.3	959.8	951.3	952.5	954.6
5°	947.0	958.9	947.7	946.5	953.8
7.5°	939.7	950.6	938.9	936.2	942.1
10°	932.1	944.0	930.7	927.4	930.7
12.5°	918.5	931.0	920.4	914.9	917.7
15°	900.2	908.2	900.2	894.8	894.8
17.5°	877.9	886.2	871.2	867.4	865.8
20°	861.6	868.9	852.8	847.3	844.6
22.5°	839.9	846.7	833.3	823.4	820.8
25°	809.4	812.0	799.2	788.3	785.0
27.5°	779.4	780.1	762.5	749.2	744.9
30°	754.5	755.1	734.8	720.5	717.2
32.5°	729.5	727.5	708.3	691.3	689.0
35°	694.8	688.2	669.1	649.3	645.3
37.5°	652.9	649.0	626.4	606.6	600.6
40°	626.4	619.7	596.5	576.7	570.8
42.5°	599.8	592.1	568.3	546.4	539.9
45°	558.6	550.0	526.7	501.5	494.2
47.5°	517.1	507.7	482.1	457.7	449.6
50°	489.4	479.5	452.8	428.9	420.3
52.5°	461.2	450.8	424.1	399.7	392.6
55°	418.9	407.7	381.6	357.1	350.5
57.5°	376.6	365.5	339.6	316.4	308.4
60°	348.4	337.8	312.5	289.3	281.3
62.5°	319.7	309.6	284.8	262.2	254.7
65°	277.9	268.0	244.7	222.9	216.2
67.5°	236.6	228.1	205.1	185.1	179.8
70°	209.5	201.5	179.6	161.2	155.9
72.5°	183.4	175.0	154.2	138.5	134.8
75°	143.7	135.8	119.3	107.1	105.1
77.5°	107.4	100.9	86.6	79.7	78.6
80°	84.1	78.1	67.1	62.4	62.4
82.5°	62.4	57.5	50.3	48.3	48.3
85°	32.5	29.9	28.5	28.5	28.5
87.5°	9.8	9.8	9.2	8.7	8.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.9	8.8	5.5	4.4	4.4
95°	36.3	33.0	29.5	27.4	28.1
97.5°	67.1	63.8	59.5	57.5	58.0
100°	88.5	85.8	80.9	78.9	78.9
102.5°	109.3	107.7	102.9	100.8	101.3
105°	143.3	142.6	137.8	135.7	134.4
107.5°	180.9	179.7	174.3	174.1	172.9
110°	205.0	204.4	199.5	198.8	198.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	229.7	230.7	225.3	224.6	224.0
115°	268.8	270.1	264.0	263.3	262.6
117.5°	308.8	310.7	304.2	303.5	302.3
120°	334.6	338.7	330.5	329.8	329.1
122.5°	361.0	364.4	356.8	355.6	355.5
125°	400.5	405.2	397.0	395.7	396.3
127.5°	440.0	444.8	437.2	434.5	436.0
130°	466.3	471.7	463.5	460.8	462.9
132.5°	493.2	498.5	490.4	487.8	490.8
135°	533.5	538.9	530.1	526.1	531.4
137.5°	572.8	577.5	567.9	565.2	570.8
140°	598.6	603.3	593.1	589.9	596.6
142.5°	623.9	629.1	617.8	614.6	621.8
145°	661.0	666.4	655.5	652.3	658.3
147.5°	696.7	702.2	691.2	687.4	693.5
150°	718.6	724.7	713.1	709.9	716.6
152.5°	740.0	746.6	734.5	730.8	739.1
155°	771.4	778.1	765.3	762.0	770.1
157.5°	799.7	805.9	794.2	790.9	797.9
160°	816.7	823.4	811.2	808.0	816.0
162.5°	831.5	838.2	827.1	822.8	830.8
165°	851.7	859.0	847.5	842.9	851.7
167.5°	868.5	876.4	864.3	860.1	868.8
170°	878.4	885.8	873.6	868.3	877.0
172.5°	885.0	892.4	880.2	874.8	880.9
175°	892.1	900.2	888.0	882.6	885.9
177.5°	895.3	901.7	892.0	887.2	894.7
180°	894.2	894.2	894.2	894.2	894.2



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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	15.40	16.24	16.36	17.22	18.49	14.32	15.17	15.28	16.14	17.42
	3H	17.06	17.82	18.03	18.81	20.10	15.73	16.49	16.70	17.47	18.77
	4H	17.69	18.41	18.68	19.40	20.70	16.25	16.97	17.23	17.95	19.26
	6H	18.08	18.74	19.07	19.73	21.05	16.56	17.23	17.56	18.22	19.54
	8H	18.21	18.84	19.22	19.85	21.17	16.69	17.32	17.69	18.33	19.64
	12H	18.28	18.88	19.29	19.88	21.22	16.76	17.36	17.77	18.37	19.71
4H	2H	15.80	16.52	16.79	17.51	18.82	14.94	15.66	15.94	16.65	17.96
	3H	17.69	18.29	18.69	19.31	20.63	16.56	17.16	17.56	18.18	19.50
	4H	18.44	18.99	19.45	20.00	21.34	17.17	17.72	18.18	18.73	20.07
	6H	18.94	19.41	19.96	20.45	21.79	17.58	18.05	18.60	19.08	20.42
	8H	19.13	19.57	20.15	20.60	21.95	17.75	18.19	18.77	19.22	20.57
	12H	19.23	19.63	20.27	20.67	22.03	17.86	18.25	18.90	19.29	20.65
8H	4H	18.57	19.01	19.59	20.03	21.39	17.43	17.87	18.45	18.89	20.25
	6H	19.19	19.55	20.23	20.62	21.97	17.96	18.32	19.00	19.39	20.74
	8H	19.46	19.78	20.52	20.84	22.21	18.21	18.53	19.26	19.58	20.95
	12H	19.63	19.91	20.68	20.96	22.37	18.39	18.67	19.44	19.71	21.13
12H	4H	18.54	18.94	19.58	19.98	21.34	17.43	17.83	18.47	18.87	20.23
	6H	19.20	19.52	20.26	20.58	21.95	18.01	18.33	19.07	19.39	20.76
	8H	19.50	19.78	20.56	20.83	22.25	18.30	18.58	19.35	19.63	21.04