

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: P1439185

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439185
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-935-1D-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

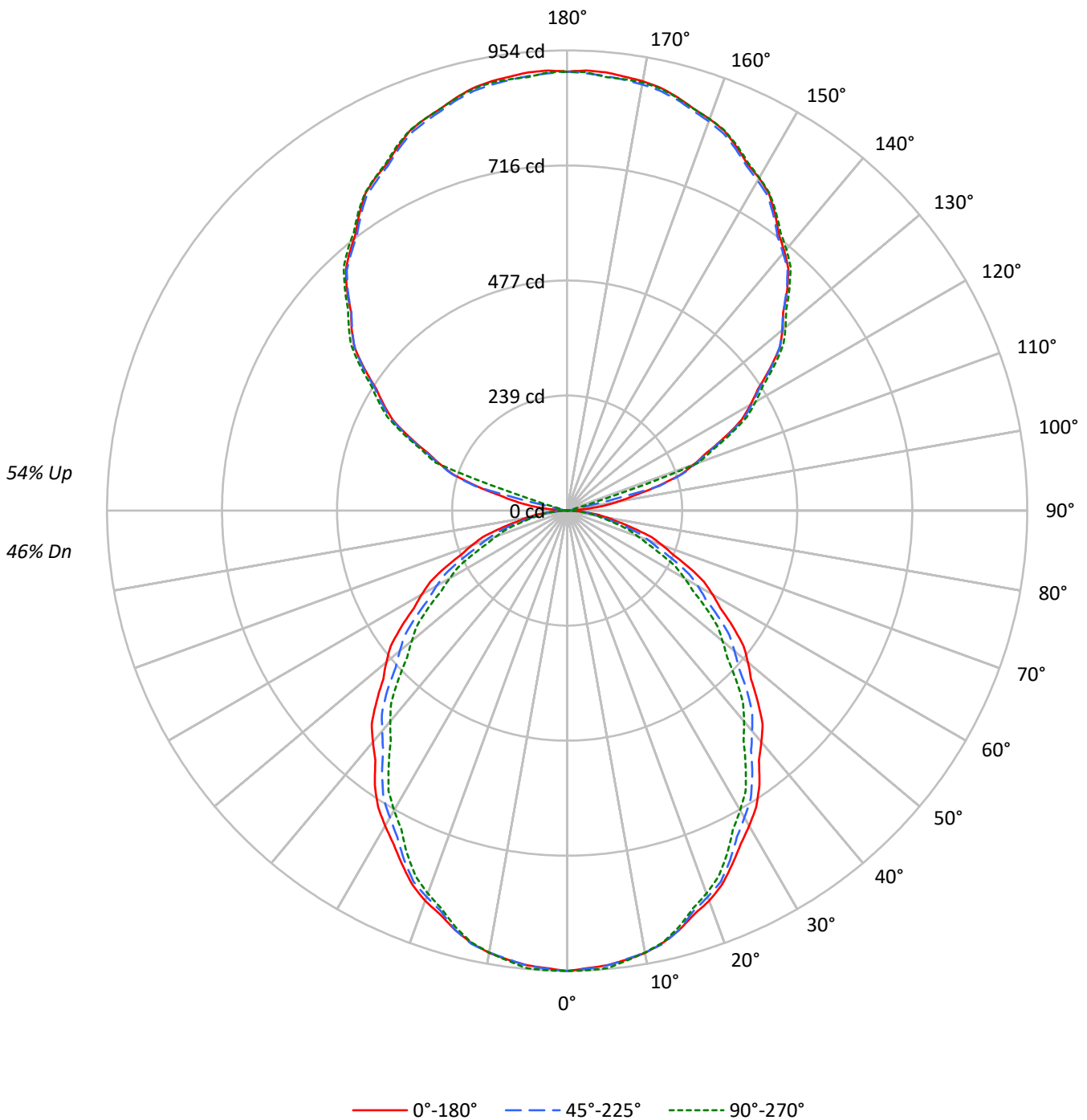
Lumens per Lamp: N/A
Luminaire Lumens: 4970.6 lumens
Efficiency: N/A
Efficacy: 152.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10800	10800	10800
5°	10748	10756	10817
10°	10701	10686	10686
15°	10538	10538	10473
20°	10366	10260	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	1.8
10°-20°	253.0	5.1
20°-30°	367.6	7.4
30°-40°	417.9	8.4
40°-50°	405.7	8.2
50°-60°	342.5	6.9
60°-70°	243.7	4.9
70°-80°	130.2	2.6
80°-90°	34.4	0.7
90°-100°	21.0	0.4
100°-110°	152.2	3.1
110°-120°	361.8	7.3
120°-130°	462.2	9.3
130°-140°	498.6	10.0
140°-150°	470.0	9.5
150°-160°	383.4	7.7
160°-170°	249.8	5.0
170°-180°	86.4	1.7
0°-30°	710.6	14.3
0°-40°	1128.6	22.7
0°-60°	1876.8	37.8
0°-90°	2285.2	46.0
90°-120°	535.0	10.8
90°-150°	1965.9	39.5
90°-180°	2685.0	54.0
0°-180°	4970.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	954	954	954	954	954	
5°	946	958	947	946	952	90
15°	900	908	900	894	894	253
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	1	0	3
95°	38	7	9	10	10	47
105°	193	195	198	14	15	203
115°	361	364	365	370	372	356
125°	514	517	516	521	525	458
135°	645	649	643	648	652	497
145°	751	756	746	751	755	470
155°	832	838	827	829	834	384
165°	887	891	882	879	885	250
175°	912	917	904	900	902	87
180°	910	910	910	910	910	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	954.5	954.5	954.5	954.5	954.5
2.5°	949.6	959.1	950.7	951.8	953.9
5°	946.3	958.3	947.0	945.8	952.4
7.5°	939.0	949.9	938.2	935.5	941.4
10°	931.4	943.3	930.1	926.7	930.1
12.5°	917.9	930.3	919.8	914.3	917.0
15°	899.6	907.5	899.6	894.1	894.1
17.5°	877.2	885.5	870.5	866.7	865.3
20°	860.9	868.2	852.1	846.6	844.6
22.5°	839.2	846.0	832.6	823.3	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	8.8	8.7
90°	0.0	0.0	0.0	0.7	0.0
92.5°	10.4	4.0	3.3	4.0	3.8
95°	38.4	6.9	8.9	9.6	9.6
97.5°	77.3	75.9	10.4	12.5	12.6
100°	107.0	110.3	11.0	13.0	13.7
102.5°	139.9	142.7	20.3	13.6	14.3
105°	192.7	195.4	198.2	14.4	15.1
107.5°	245.2	247.2	249.1	224.2	83.9
110°	279.8	281.8	282.5	289.4	290.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	312.1	314.7	316.0	321.8	324.2
115°	361.4	364.1	364.8	370.3	372.3
117.5°	408.1	411.0	412.3	416.7	419.9
120°	438.9	442.2	443.0	448.5	451.2
122.5°	469.0	472.9	472.6	477.6	481.4
125°	513.6	517.0	515.7	521.2	524.6
127.5°	556.0	558.0	555.2	561.9	564.8
130°	582.9	584.9	581.5	587.7	591.1
132.5°	607.5	610.6	606.7	612.4	615.8
135°	645.3	648.6	643.2	648.1	652.1
137.5°	678.9	682.9	676.4	682.1	685.6
140°	700.8	704.8	696.7	703.0	707.0
142.5°	721.1	726.2	716.4	722.2	726.7
145°	750.9	755.6	746.1	751.0	755.0
147.5°	779.1	783.1	774.0	777.5	780.3
150°	796.1	800.1	789.9	793.5	796.8
152.5°	809.8	815.5	805.3	807.8	812.7
155°	831.8	838.5	827.0	829.2	834.5
157.5°	851.9	858.0	846.5	848.3	853.0
160°	864.0	870.0	858.5	859.3	864.0
162.5°	873.3	878.8	868.9	867.6	873.3
165°	886.6	891.3	881.8	879.2	885.3
167.5°	897.7	903.1	891.4	889.3	896.1
170°	903.8	909.1	896.9	893.7	901.0
172.5°	907.6	912.4	900.8	896.4	902.1
175°	912.0	916.7	904.5	899.7	902.4
177.5°	913.2	917.0	907.2	903.0	909.4
180°	910.0	910.0	910.0	910.0	910.0

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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	15.03	15.85	16.02	16.85	18.18	13.95	14.77	14.95	15.77	17.10
	3H	16.69	17.43	17.70	18.44	19.79	15.36	16.09	16.37	17.11	18.46
	4H	17.32	18.01	18.34	19.03	20.39	15.88	16.57	16.90	17.59	18.94
	6H	17.71	18.34	18.73	19.36	20.73	16.19	16.83	17.22	17.85	19.22
	8H	17.84	18.45	18.87	19.48	20.85	16.32	16.92	17.35	17.96	19.32
	12H	17.91	18.48	18.94	19.51	20.90	16.39	16.97	17.43	18.00	19.39
4H	2H	15.43	16.13	16.46	17.14	18.50	14.57	15.27	15.60	16.28	17.64
	3H	17.32	17.90	18.35	18.94	20.31	16.19	16.77	17.22	17.81	19.18
	4H	18.07	18.59	19.10	19.63	21.02	16.79	17.32	17.83	18.36	19.75
	6H	18.57	19.02	19.61	20.08	21.47	17.20	17.66	18.25	18.72	20.11
	8H	18.76	19.18	19.81	20.23	21.64	17.37	17.80	18.42	18.85	20.25
	12H	18.85	19.23	19.92	20.30	21.71	17.48	17.86	18.55	18.93	20.34
8H	4H	18.19	18.62	19.24	19.67	21.07	17.05	17.48	18.10	18.53	19.93
	6H	18.81	19.16	19.88	20.25	21.65	17.58	17.93	18.65	19.02	20.42
	8H	19.08	19.39	20.17	20.47	21.89	17.83	18.14	18.91	19.22	20.64
	12H	19.25	19.52	20.33	20.59	22.05	18.01	18.28	19.09	19.35	20.81
12H	4H	18.16	18.55	19.23	19.61	21.02	17.05	17.44	18.12	18.50	19.91
	6H	18.83	19.13	19.91	20.21	21.63	17.64	17.94	18.72	19.02	20.44
	8H	19.12	19.39	20.21	20.47	21.93	17.92	18.19	19.00	19.26	20.72