

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: P1439165

Luminaire Tested: CB3-055U-030D-840-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439165
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-030D-840-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

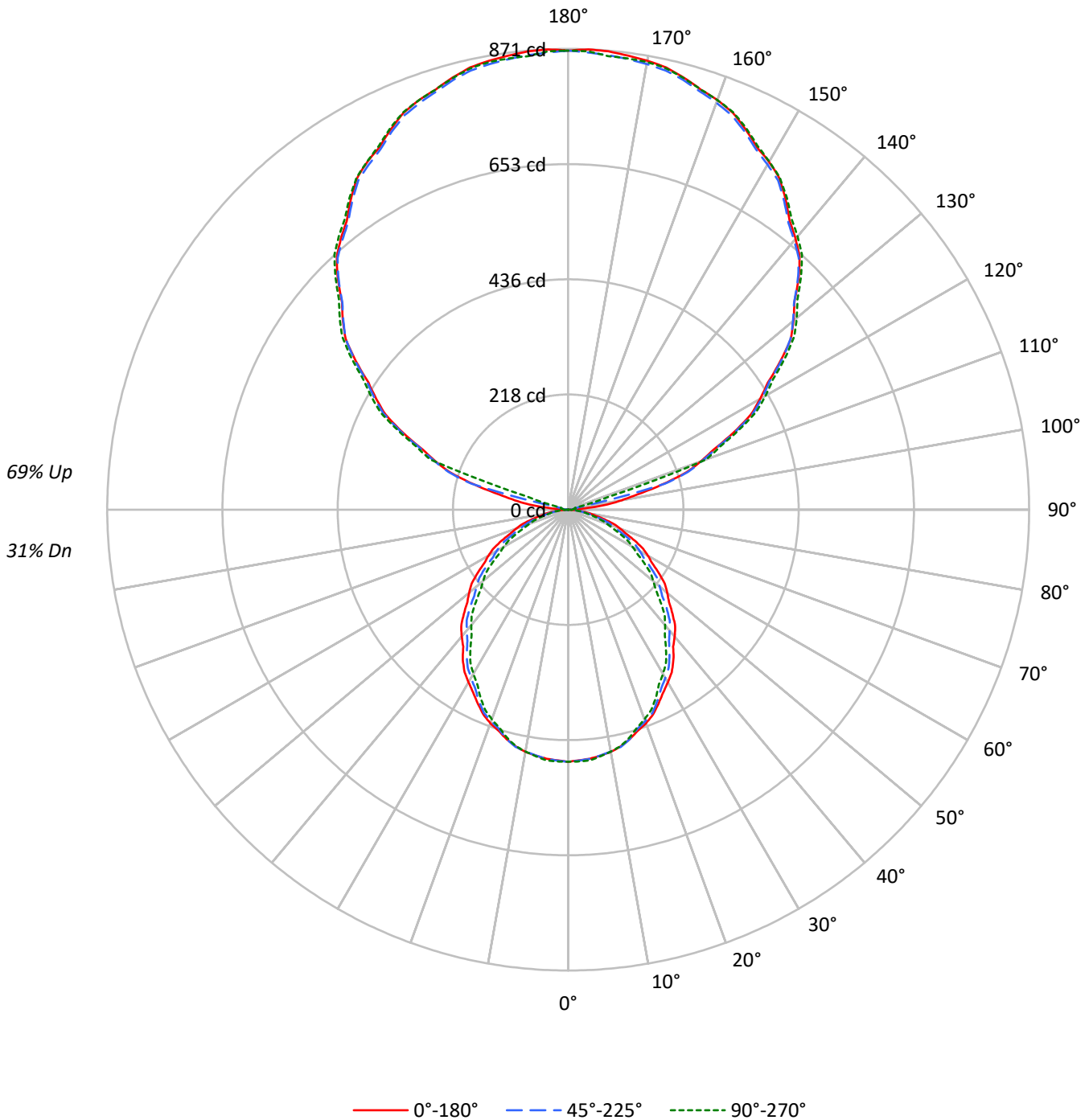
Lumens per Lamp: N/A
Luminaire Lumens: 3701.5 lumens
Efficiency: N/A
Efficacy: 151.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 24.5
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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	48	47	46	34	33	33	26
2	85	78	72	67	76	70	66	61	56	53	50	43	40	38	30	29	28	22
3	78	69	62	56	70	62	56	51	49	45	42	38	35	33	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	36	34	30	28	24	22	20	16
5	65	54	46	41	58	49	42	37	39	34	31	30	27	24	22	20	18	14
6	60	48	41	35	54	44	37	32	35	30	27	27	24	21	20	17	16	13
7	55	44	36	31	50	40	33	28	32	27	23	25	21	19	18	16	14	11
8	51	40	32	27	46	36	29	25	29	24	21	23	19	17	16	14	13	10
9	48	36	29	24	43	33	26	22	27	22	18	21	17	15	15	13	11	9
10	45	33	26	21	40	30	24	20	24	20	17	19	16	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5390	5390	5390
5°	5365	5369	5399
10°	5341	5333	5333
15°	5259	5259	5228
20°	5174	5121	5076
25°	5044	4980	4891
30°	4920	4792	4677
35°	4790	4613	4449
40°	4619	4399	4208
45°	4461	4207	3948
50°	4300	3978	3693
55°	4125	3758	3450
60°	3935	3530	3177
65°	3713	3272	2889
70°	3460	2967	2574
75°	3134	2605	2291
80°	2737	2183	2026
85°	2103	1843	1843

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4461 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	1.2
10°-20°	126.3	3.4
20°-30°	183.5	5.0
30°-40°	208.6	5.6
40°-50°	202.5	5.5
50°-60°	171.0	4.6
60°-70°	121.7	3.3
70°-80°	65.0	1.8
80°-90°	17.2	0.5
90°-100°	20.0	0.5
100°-110°	145.1	3.9
110°-120°	345.0	9.3
120°-130°	440.8	11.9
130°-140°	475.4	12.8
140°-150°	448.2	12.1
150°-160°	365.6	9.9
160°-170°	238.2	6.4
170°-180°	82.4	2.2
0°-30°	354.7	9.6
0°-40°	563.3	15.2
0°-60°	936.8	25.3
0°-90°	1140.6	30.8
90°-120°	510.2	13.8
90°-150°	1874.6	50.6
90°-180°	2561.0	69.2
0°-180°	3701.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	476	476	476	476	476	
5°	472	478	473	472	475	45
15°	449	453	449	446	446	126
25°	404	405	399	394	392	186
35°	347	344	334	324	322	216
45°	279	274	263	250	247	215
55°	209	204	190	178	175	187
65°	139	134	122	111	108	137
75°	72	68	60	53	52	76
85°	16	15	14	14	14	19
90°	0	0	0	1	0	2
95°	37	7	8	9	9	45
105°	184	186	189	14	14	194
115°	345	347	348	353	355	340
125°	490	493	492	497	500	437
135°	615	618	613	618	622	474
145°	716	720	711	716	720	448
155°	793	800	789	791	796	366
165°	846	850	841	838	844	239
175°	870	874	862	858	860	83
180°	868	868	868	868	868	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	476.4	476.4	476.4	476.4	476.4
2.5°	474.0	478.8	474.5	475.1	476.2
5°	472.4	478.3	472.7	472.1	475.4
7.5°	468.7	474.1	468.3	467.0	469.9
10°	464.9	470.9	464.2	462.6	464.2
12.5°	458.2	464.4	459.1	456.4	457.7
15°	449.0	453.0	449.0	446.3	446.3
17.5°	437.9	442.0	434.5	432.6	431.9
20°	429.7	433.4	425.3	422.6	421.6
22.5°	418.9	422.3	415.6	411.0	409.7
25°	404.0	405.3	398.9	393.5	391.8
27.5°	389.1	389.4	380.6	374.0	371.8
30°	376.6	376.9	366.8	359.7	358.0
32.5°	364.2	363.2	353.5	345.0	343.9
35°	346.8	343.5	334.0	324.1	322.1
37.5°	325.9	323.9	312.7	302.8	299.8
40°	312.7	309.3	297.8	287.9	284.9
42.5°	299.4	295.6	283.7	272.7	269.5
45°	278.8	274.5	262.9	250.3	246.7
47.5°	258.1	253.4	240.6	228.4	224.4
50°	244.3	239.3	226.0	214.1	209.8
52.5°	230.2	225.0	211.7	199.5	196.0
55°	209.1	203.5	190.5	178.2	174.9
57.5°	188.0	182.4	169.5	157.9	154.0
60°	173.9	168.6	156.0	144.4	140.4
62.5°	159.6	154.5	142.2	130.9	127.2
65°	138.7	133.8	122.2	111.2	107.9
67.5°	118.1	113.9	102.4	92.4	89.7
70°	104.6	100.6	89.7	80.5	77.8
72.5°	91.6	87.3	76.9	69.1	67.3
75°	71.7	67.8	59.6	53.4	52.4
77.5°	53.6	50.4	43.2	39.8	39.3
80°	42.0	39.0	33.5	31.1	31.1
82.5°	31.1	28.7	25.1	24.1	24.1
85°	16.2	14.9	14.2	14.2	14.2
87.5°	4.9	4.9	4.6	4.5	4.3
90°	0.0	0.0	0.0	0.6	0.0
92.5°	9.9	3.8	3.1	3.8	3.7
95°	36.6	6.6	8.5	9.2	9.2
97.5°	73.8	72.4	9.9	11.9	12.0
100°	102.0	105.2	10.5	12.4	13.1
102.5°	133.4	136.1	19.4	13.0	13.6
105°	183.7	186.3	189.0	13.7	14.4
107.5°	233.8	235.7	237.5	213.8	80.0
110°	266.8	268.7	269.4	276.0	277.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	297.6	300.1	301.3	306.9	309.2
115°	344.6	347.2	347.9	353.1	355.1
117.5°	389.2	391.9	393.1	397.4	400.4
120°	418.5	421.7	422.4	427.7	430.3
122.5°	447.3	451.0	450.7	455.4	459.0
125°	489.8	493.0	491.7	497.0	500.2
127.5°	530.2	532.1	529.4	535.9	538.5
130°	555.8	557.7	554.5	560.5	563.6
132.5°	579.3	582.3	578.6	584.0	587.2
135°	615.3	618.5	613.3	618.0	621.8
137.5°	647.3	651.2	645.0	650.4	653.8
140°	668.3	672.1	664.3	670.3	674.2
142.5°	687.6	692.5	683.2	688.6	693.0
145°	716.0	720.5	711.4	716.1	719.9
147.5°	742.9	746.8	738.1	741.4	744.1
150°	759.2	763.0	753.3	756.6	759.8
152.5°	772.2	777.6	767.9	770.3	775.0
155°	793.2	799.6	788.6	790.7	795.8
157.5°	812.4	818.1	807.2	809.0	813.4
160°	823.9	829.6	818.7	819.4	823.9
162.5°	832.8	838.0	828.6	827.3	832.8
165°	845.5	849.9	840.9	838.4	844.2
167.5°	856.1	861.2	850.1	848.0	854.5
170°	861.8	866.9	855.3	852.2	859.2
172.5°	865.5	870.1	858.9	854.8	860.3
175°	869.7	874.1	862.5	858.0	860.5
177.5°	870.8	874.4	865.1	861.0	867.2
180°	867.7	867.7	867.7	867.7	867.7



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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	10.89	11.60	12.00	12.70	14.22	9.82	10.52	10.92	11.62	13.15
	3H	12.55	13.18	13.67	14.29	15.83	11.22	11.85	12.33	12.96	14.50
	4H	13.17	13.77	14.30	14.88	16.43	11.73	12.33	12.85	13.44	14.98
	6H	13.55	14.10	14.69	15.22	16.77	12.04	12.59	13.17	13.70	15.26
	8H	13.68	14.21	14.82	15.34	16.89	12.16	12.68	13.29	13.81	15.36
	12H	13.74	14.24	14.89	15.37	16.94	12.23	12.72	13.37	13.85	15.42
4H	2H	11.28	11.88	12.42	12.99	14.54	10.43	11.02	11.56	12.14	13.68
	3H	13.16	13.66	14.30	14.80	16.35	12.03	12.53	13.17	13.67	15.22
	4H	13.90	14.36	15.04	15.49	17.06	12.63	13.09	13.77	14.22	15.79
	6H	14.40	14.79	15.54	15.94	17.51	13.03	13.43	14.18	14.58	16.14
	8H	14.58	14.95	15.73	16.09	17.68	13.20	13.57	14.35	14.71	16.29
	12H	14.67	15.01	15.84	16.16	17.75	13.30	13.63	14.46	14.78	16.37
8H	4H	14.02	14.39	15.17	15.53	17.11	12.88	13.25	14.03	14.39	15.97
	6H	14.63	14.94	15.80	16.12	17.70	13.40	13.70	14.57	14.89	16.47
	8H	14.91	15.17	16.08	16.33	17.93	13.65	13.92	14.83	15.08	16.68
	12H	15.06	15.30	16.24	16.45	18.09	13.82	14.05	15.00	15.21	16.85
12H	4H	13.98	14.32	15.15	15.47	17.06	12.87	13.21	14.04	14.36	15.95
	6H	14.65	14.91	15.82	16.07	17.68	13.46	13.72	14.63	14.88	16.48
	8H	14.94	15.17	16.12	16.33	17.97	13.73	13.96	14.91	15.12	16.76