

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: P1439431

Luminaire Tested: CB3-B-055U-120D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439431  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-2, G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-B-055U-120D-940-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

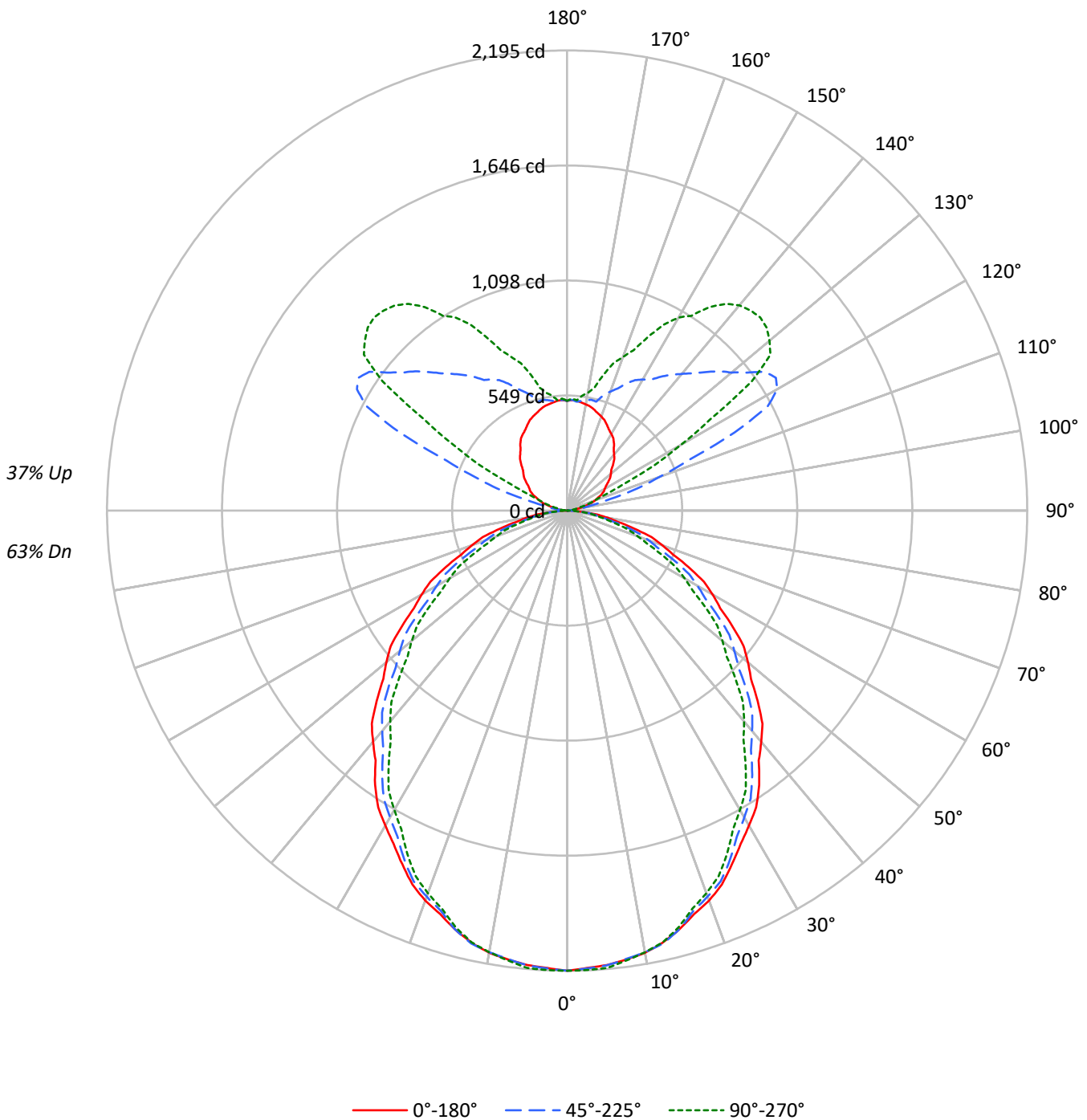
Lumens per Lamp: N/A  
Luminaire Lumens: 8334.3 lumens  
Efficiency: N/A  
Efficacy: 154.1 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 54.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	110	110	110	110	103	103	103	103	91	91	91	79	79	79	68	68	68	63
1	101	97	93	89	95	91	87	84	80	77	75	70	68	66	61	59	58	54
2	92	85	78	73	86	80	74	70	70	66	62	62	58	56	54	51	49	45
3	84	75	67	61	79	70	64	58	62	57	53	55	51	47	48	45	42	39
4	77	66	58	52	72	63	55	50	55	50	45	49	44	41	43	39	36	33
5	71	59	51	45	66	56	49	43	50	44	39	44	39	36	39	35	32	29
6	66	53	45	39	61	50	43	38	45	39	34	40	35	31	35	31	28	26
7	61	48	40	35	57	46	38	33	41	35	30	36	31	28	32	28	25	23
8	56	44	36	31	53	42	35	30	37	31	27	33	29	25	30	26	23	20
9	53	40	33	28	49	38	31	27	34	29	24	31	26	23	27	23	21	18
10	49	37	30	25	46	35	28	24	32	26	22	29	24	20	25	22	19	17

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	24834	24834	24834
5°	24717	24734	24876
10°	24609	24573	24573
15°	24231	24231	24086
20°	23838	23594	23388
25°	23237	22945	22537
30°	22668	22077	21548
35°	22070	21252	20498
40°	21275	20262	19387
45°	20554	19381	18184
50°	19811	18329	17013
55°	19004	17312	15897
60°	18133	16261	14639
65°	17110	15068	13314
70°	15935	13666	11860
75°	14448	11996	10562
80°	12595	10054	9344
85°	9711	8503	8503

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 20554 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.1	2.5
10°-20°	581.8	7.0
20°-30°	845.3	10.1
30°-40°	961.1	11.5
40°-50°	933.0	11.2
50°-60°	787.7	9.5
60°-70°	560.4	6.7
70°-80°	299.4	3.6
80°-90°	79.1	0.9
90°-100°	35.4	0.4
100°-110°	185.5	2.2
110°-120°	467.0	5.6
120°-130°	720.5	8.6
130°-140°	659.6	7.9
140°-150°	486.8	5.8
150°-160°	310.3	3.7
160°-170°	163.4	2.0
170°-180°	50.9	0.6
0°-30°	1634.2	19.6
0°-40°	2595.3	31.1
0°-60°	4315.9	51.8
0°-90°	5254.9	63.1
90°-120°	688.0	8.3
90°-150°	2554.9	30.7
90°-180°	3079.0	36.9
0°-180°	8334.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2195	2195	2195	2195	2195	
5°	2176	2204	2178	2175	2190	207
15°	2069	2087	2069	2056	2056	583
25°	1861	1867	1838	1813	1805	858
35°	1598	1583	1539	1493	1484	996
45°	1284	1265	1211	1153	1136	991
55°	963	938	878	821	806	861
65°	639	616	563	512	497	633
75°	330	312	274	246	242	352
85°	75	69	66	66	66	89
90°	0	0	0	0	0	4
95°	18	52	21	12	12	23
105°	95	293	212	87	72	101
115°	180	367	881	383	291	175
125°	240	371	1153	1163	1075	215
135°	309	413	934	1274	1303	239
145°	390	451	780	1084	1186	242
155°	450	484	669	828	913	207
165°	498	512	537	628	671	140
175°	526	537	521	524	528	50
180°	524	524	524	524	524	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2194.9	2194.9	2194.9	2194.9	2194.9
2.5°	2183.7	2205.6	2186.2	2188.8	2193.6
5°	2176.2	2203.6	2177.7	2175.0	2190.2
7.5°	2159.4	2184.3	2157.5	2151.2	2165.0
10°	2141.9	2169.3	2138.8	2131.2	2138.8
12.5°	2110.7	2139.4	2115.1	2102.4	2108.8
15°	2068.6	2086.9	2068.6	2056.2	2056.2
17.5°	2017.2	2036.4	2001.9	1993.1	1989.7
20°	1979.8	1996.5	1959.5	1946.9	1942.4
22.5°	1929.9	1945.4	1914.6	1893.3	1887.5
25°	1861.3	1867.4	1837.9	1812.8	1805.2
27.5°	1792.4	1793.9	1753.4	1723.0	1712.9
30°	1735.0	1736.6	1689.8	1656.9	1649.3
32.5°	1677.7	1673.1	1628.7	1589.6	1584.4
35°	1597.8	1582.6	1538.6	1493.2	1484.0
37.5°	1501.5	1492.4	1440.4	1394.9	1381.2
40°	1440.4	1425.2	1371.8	1326.3	1312.6
42.5°	1379.3	1361.6	1307.0	1256.4	1241.5
45°	1284.5	1264.7	1211.2	1153.2	1136.4
47.5°	1189.1	1167.5	1108.7	1052.4	1033.8
50°	1125.5	1102.6	1041.3	986.3	966.5
52.5°	1060.7	1036.6	975.2	919.1	902.9
55°	963.4	937.5	877.6	821.2	805.9
57.5°	866.1	840.5	781.0	727.6	709.3
60°	801.3	776.9	718.6	665.2	646.9
62.5°	735.2	712.0	655.0	602.9	585.8
65°	639.1	616.3	562.8	512.5	497.3
67.5°	544.0	524.5	471.7	425.6	413.4
70°	481.7	463.4	413.1	370.7	358.5
72.5°	421.8	402.3	354.5	318.4	309.9
75°	330.5	312.2	274.4	246.2	241.6
77.5°	246.9	232.0	199.2	183.3	180.8
80°	193.3	179.6	154.3	143.4	143.4
82.5°	143.4	132.1	115.7	111.0	111.0
85°	74.8	68.7	65.5	65.5	65.5
87.5°	22.4	22.4	21.2	20.0	20.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.5	12.8	3.7	1.9	3.7
95°	18.5	52.3	20.8	11.5	11.5
97.5°	38.3	116.8	53.5	28.5	25.8
100°	53.0	165.8	83.0	41.4	36.9
102.5°	69.7	214.9	125.5	56.1	48.0
105°	94.6	293.0	212.2	87.3	71.5
107.5°	122.2	346.4	349.7	134.6	108.4
110°	140.7	368.5	465.9	176.7	136.1

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	157.3	374.2	620.9	240.9	185.9
115°	179.9	367.1	881.1	383.1	290.6
117.5°	196.5	349.4	1078.5	609.4	470.1
120°	207.6	349.7	1157.8	780.7	625.0
122.5°	220.5	351.7	1180.0	950.7	807.7
125°	239.9	370.7	1153.2	1162.8	1074.8
127.5°	259.2	384.6	1081.3	1249.9	1222.4
130°	272.2	393.9	1024.1	1279.6	1259.3
132.5°	285.1	403.2	983.5	1280.3	1290.7
135°	309.1	412.8	934.1	1273.8	1303.1
137.5°	333.5	424.6	888.0	1233.5	1294.4
140°	348.3	434.0	851.1	1189.8	1277.8
142.5°	364.9	441.6	816.0	1149.3	1242.7
145°	389.8	450.7	779.6	1084.0	1185.5
147.5°	409.2	455.6	738.5	1018.1	1102.0
150°	422.1	455.9	721.9	959.5	1063.3
152.5°	433.2	465.2	701.6	905.8	1000.5
155°	449.8	483.6	668.9	827.7	913.4
157.5°	466.4	498.8	630.1	769.4	827.6
160°	477.4	504.5	604.3	741.2	779.6
162.5°	486.7	510.1	576.6	693.4	737.1
165°	498.2	511.7	537.4	628.3	671.2
167.5°	508.8	515.6	540.6	564.5	599.2
170°	514.3	521.1	535.1	558.4	569.7
172.5°	519.9	530.2	527.7	543.6	553.1
175°	525.9	537.1	521.3	523.7	528.2
177.5°	527.3	532.7	529.1	529.2	534.6
180°	523.6	523.6	523.6	523.6	523.6

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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	19.44	20.41	20.28	21.27	22.35	18.36	19.34	19.20	20.20	21.27
	3H	21.11	21.99	21.96	22.86	23.96	19.78	20.66	20.63	21.53	22.63
	4H	21.75	22.58	22.62	23.45	24.56	20.30	21.13	21.17	22.01	23.12
	6H	22.14	22.90	23.02	23.79	24.91	20.63	21.39	21.51	22.27	23.40
	8H	22.28	23.01	23.17	23.91	25.03	20.75	21.48	21.64	22.38	23.50
	12H	22.35	23.04	23.25	23.94	25.09	20.83	21.53	21.73	22.42	23.57
4H	2H	19.86	20.69	20.73	21.56	22.67	19.00	19.83	19.87	20.70	21.81
	3H	21.76	22.45	22.64	23.36	24.48	20.63	21.32	21.51	22.23	23.35
	4H	22.51	23.14	23.41	24.05	25.20	21.24	21.87	22.14	22.77	23.93
	6H	23.02	23.56	23.93	24.49	25.65	21.66	22.20	22.57	23.13	24.28
	8H	23.22	23.72	24.13	24.64	25.81	21.83	22.34	22.75	23.26	24.43
	12H	23.32	23.77	24.25	24.72	25.89	21.94	22.40	22.88	23.34	24.51
8H	4H	22.65	23.16	23.56	24.08	25.25	21.51	22.02	22.43	22.94	24.11
	6H	23.28	23.69	24.21	24.66	25.82	22.05	22.46	22.99	23.43	24.59
	8H	23.55	23.92	24.50	24.88	26.06	22.30	22.67	23.25	23.62	24.81
	12H	23.72	24.05	24.67	25.00	26.23	22.48	22.81	23.43	23.75	24.99
12H	4H	22.63	23.09	23.56	24.03	25.20	21.52	21.98	22.45	22.92	24.09
	6H	23.29	23.66	24.24	24.62	25.80	22.10	22.47	23.05	23.43	24.61
	8H	23.60	23.92	24.55	24.87	26.11	22.39	22.72	23.34	23.66	24.90