

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: P1439215

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

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439215  
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-120D-940-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

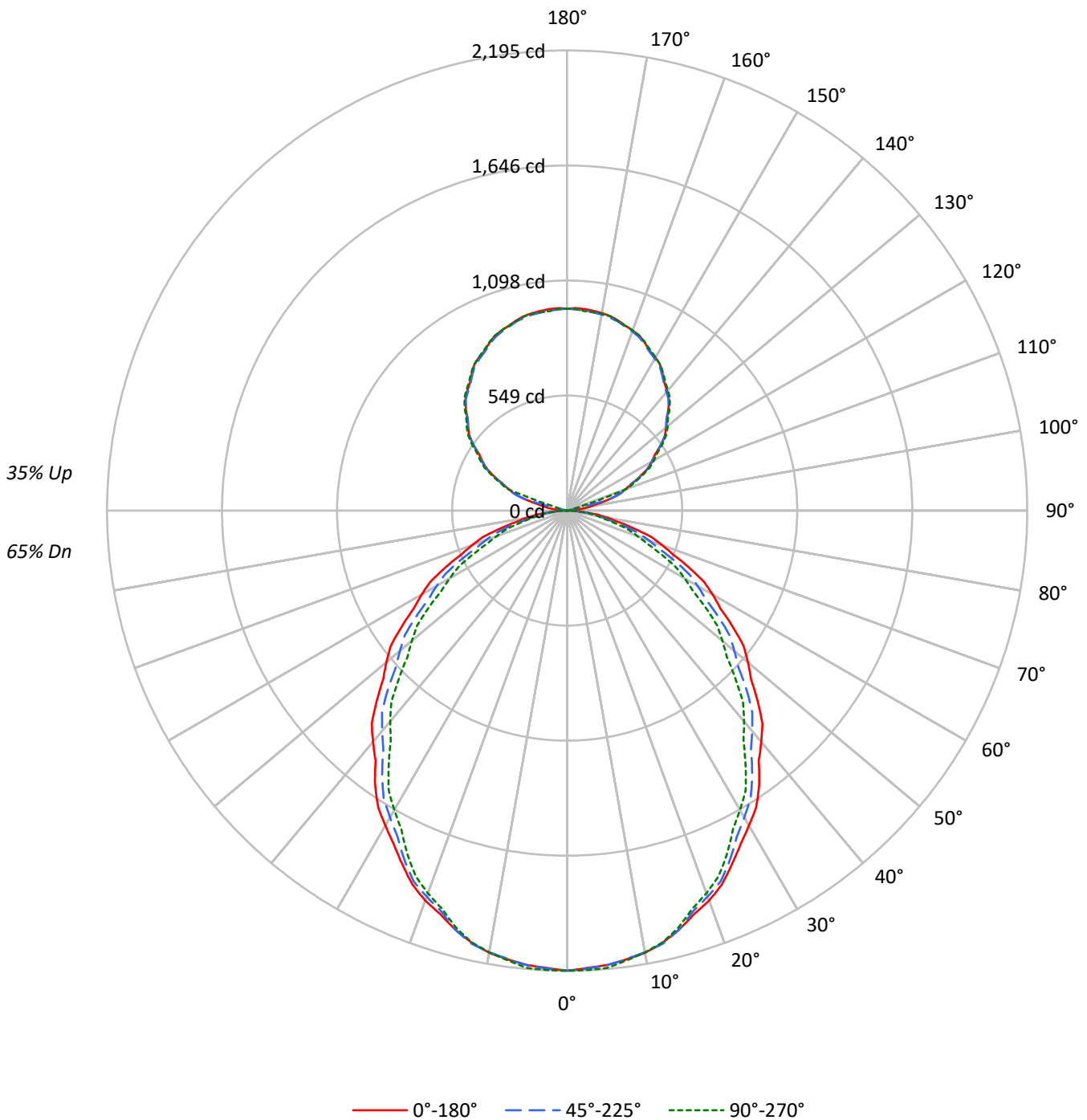
Lumens per Lamp: N/A  
Luminaire Lumens: 8097.0 lumens  
Efficiency: N/A  
Efficacy: 149.7 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Direct

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	50	30	10	50	30	10	0		
RCR																										
0	111	111	111	111	104	104	104	104	92	92	92	80	80	80	70	70	70	65								
1	101	97	93	90	95	91	88	85	81	78	76	71	69	67	62	61	59	55								
2	93	85	79	74	87	80	75	70	71	67	63	63	59	57	55	53	50	47								
3	85	75	68	62	79	71	64	59	63	58	53	56	52	48	49	46	43	40								
4	78	67	59	52	73	63	56	50	56	50	46	50	45	42	44	40	37	34								
5	71	60	51	45	67	56	49	43	50	44	40	45	40	36	40	36	33	30								
6	66	54	45	39	62	51	43	38	46	39	35	41	36	32	36	32	29	26								
7	61	49	40	35	57	46	39	33	41	35	31	37	32	28	33	29	26	23								
8	57	44	36	31	53	42	35	30	38	32	28	34	29	25	30	26	23	21								
9	53	40	33	28	50	39	32	27	35	29	25	31	26	23	28	24	21	19								
10	50	37	30	25	47	36	29	24	32	26	23	29	24	21	26	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	2.6
10°-20°	581.8	7.2
20°-30°	845.3	10.4
30°-40°	961.1	11.9
40°-50°	933.0	11.5
50°-60°	787.7	9.7
60°-70°	560.4	6.9
70°-80°	299.4	3.7
80°-90°	79.1	1.0
90°-100°	22.2	0.3
100°-110°	161.1	2.0
110°-120°	382.9	4.7
120°-130°	489.2	6.0
130°-140°	527.7	6.5
140°-150°	497.4	6.1
150°-160°	405.8	5.0
160°-170°	264.4	3.3
170°-180°	91.4	1.1
0°-30°	1634.2	20.2
0°-40°	2595.3	32.1
0°-60°	4315.9	53.3
0°-90°	5254.9	64.9
90°-120°	566.2	7.0
90°-150°	2080.5	25.7
90°-180°	2842.0	35.1
0°-180°	8097.0	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	1	0	5
95°	41	7	9	10	10	50
105°	204	207	210	15	16	215
115°	382	385	386	392	394	377
125°	544	547	546	552	555	485
135°	683	686	681	686	690	526
145°	795	800	790	795	799	497
155°	880	887	875	878	883	406
165°	938	943	933	930	937	265
175°	965	970	957	952	955	92
180°	963	963	963	963	963	

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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	20.1	20.0
90°	0.0	0.0	0.0	0.7	0.0
92.5°	11.0	4.2	3.5	4.2	4.1
95°	40.6	7.3	9.4	10.2	10.2
97.5°	81.9	80.3	11.0	13.2	13.4
100°	113.2	116.8	11.6	13.8	14.5
102.5°	148.0	151.0	21.5	14.4	15.1
105°	203.9	206.8	209.7	15.3	16.0
107.5°	259.5	261.6	263.6	237.3	88.8
110°	296.1	298.2	299.0	306.3	307.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	330.3	333.0	334.4	340.6	343.1
115°	382.5	385.3	386.1	391.9	394.1
117.5°	431.9	434.9	436.3	441.0	444.4
120°	464.5	468.0	468.8	474.7	477.5
122.5°	496.4	500.5	500.2	505.5	509.5
125°	543.6	547.1	545.7	551.6	555.2
127.5°	588.4	590.5	587.5	594.7	597.7
130°	616.9	619.0	615.4	622.0	625.6
132.5°	643.0	646.2	642.1	648.1	651.7
135°	682.9	686.4	680.7	685.9	690.2
137.5°	718.5	722.7	715.8	721.9	725.6
140°	741.7	745.9	737.3	744.0	748.2
142.5°	763.2	768.6	758.2	764.3	769.1
145°	794.7	799.6	789.6	794.8	799.0
147.5°	824.6	828.8	819.2	822.9	825.9
150°	842.6	846.8	836.0	839.7	843.3
152.5°	857.1	863.0	852.3	854.9	860.1
155°	880.3	887.4	875.2	877.5	883.2
157.5°	901.6	908.0	895.8	897.8	902.8
160°	914.4	920.8	908.6	909.4	914.4
162.5°	924.3	930.1	919.6	918.2	924.3
165°	938.4	943.3	933.3	930.5	936.9
167.5°	950.1	955.8	943.4	941.1	948.4
170°	956.5	962.2	949.2	945.8	953.6
172.5°	960.6	965.7	953.3	948.7	954.8
175°	965.2	970.2	957.2	952.2	955.0
177.5°	966.5	970.5	960.1	955.6	962.4
180°	963.0	963.0	963.0	963.0	963.0



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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	19.59	20.58	20.41	21.42	22.47	18.51	19.51	19.33	20.35	21.39
	3H	21.26	22.16	22.10	23.01	24.08	19.93	20.83	20.76	21.68	22.75
	4H	21.90	22.74	22.75	23.60	24.68	20.45	21.30	21.30	22.16	23.24
	6H	22.29	23.07	23.15	23.94	25.03	20.78	21.56	21.64	22.42	23.52
	8H	22.43	23.17	23.30	24.06	25.15	20.91	21.65	21.78	22.53	23.63
	12H	22.50	23.21	23.38	24.09	25.21	20.99	21.69	21.86	22.57	23.69
4H	2H	20.01	20.86	20.86	21.71	22.79	19.15	20.00	20.01	20.85	21.94
	3H	21.91	22.62	22.78	23.51	24.60	20.78	21.49	21.65	22.38	23.47
	4H	22.67	23.31	23.55	24.20	25.32	21.40	22.04	22.27	22.92	24.05
	6H	23.18	23.73	24.07	24.64	25.77	21.82	22.37	22.71	23.28	24.41
	8H	23.37	23.89	24.27	24.79	25.93	21.99	22.51	22.88	23.41	24.55
	12H	23.47	23.94	24.39	24.87	26.01	22.10	22.57	23.02	23.49	24.63
8H	4H	22.81	23.32	23.70	24.23	25.37	21.67	22.18	22.56	23.09	24.23
	6H	23.43	23.86	24.35	24.81	25.94	22.20	22.63	23.12	23.58	24.72
	8H	23.71	24.09	24.64	25.03	26.18	22.45	22.83	23.39	23.77	24.93
	12H	23.88	24.21	24.81	25.14	26.35	22.64	22.97	23.57	23.90	25.11
12H	4H	22.79	23.25	23.70	24.18	25.32	21.68	22.14	22.59	23.07	24.21
	6H	23.45	23.83	24.38	24.77	25.92	22.26	22.64	23.19	23.58	24.73
	8H	23.75	24.09	24.69	25.02	26.23	22.55	22.88	23.48	23.81	25.02