

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: P1439559

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

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439559  
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-120D-940-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

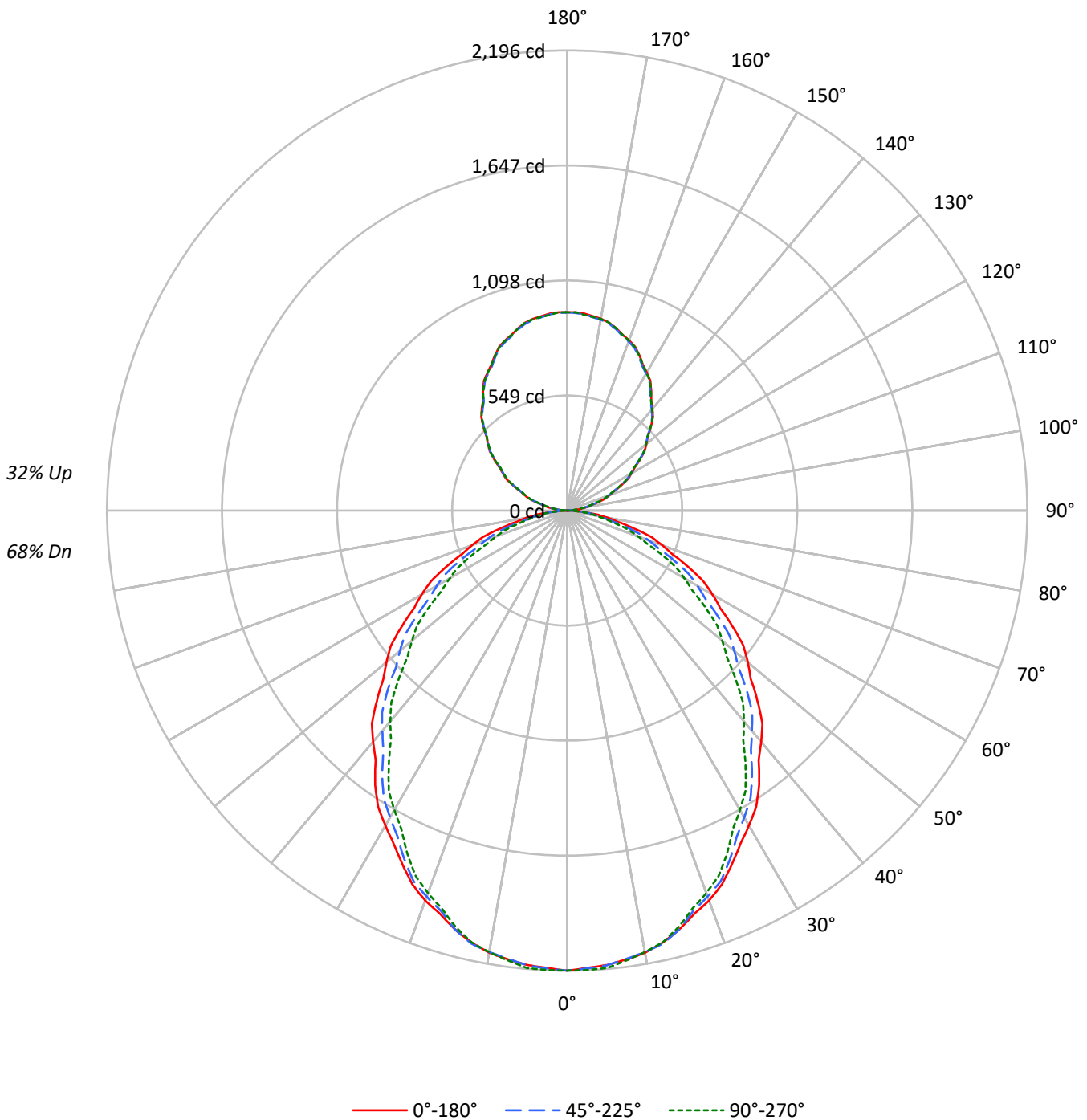
Lumens per Lamp: N/A  
Luminaire Lumens: 7694.5 lumens  
Efficiency: N/A  
Efficacy: 142.2 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Direct

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	105	105	105	105	93	93	93	83	83	83	73	73	73	68								
1	102	98	94	90	96	92	89	86	82	80	77	73	71	70	65	63	62	58								
2	93	86	79	74	88	81	76	71	73	68	65	65	61	59	57	55	53	49								
3	85	76	68	62	80	72	65	60	64	59	55	57	53	50	51	48	45	42								
4	78	67	59	53	73	64	56	51	57	51	47	51	47	43	46	42	39	36								
5	72	60	52	46	68	57	50	44	51	45	41	46	41	37	41	37	34	31								
6	66	54	46	40	63	51	44	38	47	40	36	42	37	33	38	34	30	28								
7	62	49	41	35	58	47	39	34	42	36	32	38	33	29	34	30	27	25								
8	57	45	37	31	54	43	35	30	39	33	28	35	30	26	32	27	24	22								
9	53	41	33	28	50	39	32	27	36	30	25	32	27	24	29	25	22	20								
10	50	38	30	25	47	36	29	25	33	27	23	30	25	22	27	23	20	18								

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

	0°	45°	90°
0°	24842	24842	24842
5°	24725	24743	24893
10°	24617	24581	24581
15°	24240	24240	24094
20°	23847	23602	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°	207.2	2.7
10°-20°	582.0	7.6
20°-30°	845.4	11.0
30°-40°	961.1	12.5
40°-50°	933.0	12.1
50°-60°	787.7	10.2
60°-70°	560.4	7.3
70°-80°	299.4	3.9
80°-90°	79.1	1.0
90°-100°	40.0	0.5
100°-110°	156.5	2.0
110°-120°	278.9	3.6
120°-130°	377.4	4.9
130°-140°	433.9	5.6
140°-150°	435.4	5.7
150°-160°	374.4	4.9
160°-170°	253.5	3.3
170°-180°	89.4	1.2
0°-30°	1634.6	21.2
0°-40°	2595.6	33.7
0°-60°	4316.3	56.1
0°-90°	5255.2	68.3
90°-120°	475.4	6.2
90°-150°	1722.0	22.4
90°-180°	2439.0	31.7
0°-180°	7694.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2196	2196	2196	2196	2196	
5°	2177	2204	2178	2176	2192	207
15°	2069	2088	2069	2057	2057	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	5
95°	38	35	31	29	30	44
105°	152	151	146	144	142	162
115°	284	286	279	279	278	282
125°	424	429	420	419	420	379
135°	565	570	561	557	562	435
145°	700	705	694	690	697	437
155°	816	824	810	806	815	376
165°	901	909	897	892	901	254
175°	944	953	940	934	938	90
180°	946	946	946	946	946	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2195.6	2195.6	2195.6	2195.6	2195.6
2.5°	2184.4	2206.3	2186.9	2189.5	2194.4
5°	2176.9	2204.3	2178.5	2175.7	2191.7
7.5°	2160.1	2185.1	2158.2	2152.0	2165.7
10°	2142.6	2170.1	2139.5	2131.9	2139.5
12.5°	2111.4	2140.1	2115.8	2103.2	2109.6
15°	2069.4	2087.6	2069.4	2056.9	2056.9
17.5°	2017.9	2037.1	2002.6	1993.8	1990.3
20°	1980.5	1997.3	1960.2	1947.6	1942.4
22.5°	1930.6	1946.2	1915.3	1893.4	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°	10.5	9.3	5.8	4.6	4.6
95°	38.5	34.9	31.2	29.0	29.8
97.5°	71.0	67.6	63.0	60.8	61.4
100°	93.6	90.8	85.6	83.5	83.5
102.5°	115.7	114.0	108.9	106.7	107.3
105°	151.7	151.0	145.9	143.7	142.2
107.5°	191.4	190.2	184.5	184.3	183.0
110°	217.0	216.3	211.2	210.4	209.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	243.1	244.1	238.5	237.7	237.0
115°	284.5	285.9	279.4	278.7	277.9
117.5°	326.9	328.8	321.9	321.2	319.9
120°	354.1	358.4	349.8	349.1	348.3
122.5°	382.0	385.7	377.7	376.4	376.2
125°	423.8	428.8	420.2	418.8	419.5
127.5°	465.6	470.7	462.7	459.8	461.4
130°	493.5	499.2	490.6	487.7	489.9
132.5°	521.9	527.6	519.0	516.2	519.5
135°	564.6	570.3	561.0	556.8	562.4
137.5°	606.3	611.2	601.0	598.1	604.1
140°	633.6	638.5	627.7	624.3	631.4
142.5°	660.3	665.8	653.9	650.4	658.1
145°	699.6	705.3	693.8	690.3	696.7
147.5°	737.3	743.1	731.5	727.5	734.0
150°	760.6	766.9	754.7	751.3	758.4
152.5°	783.2	790.1	777.4	773.4	782.2
155°	816.4	823.5	809.9	806.5	815.0
157.5°	846.3	852.9	840.5	837.1	844.4
160°	864.3	871.4	858.5	855.1	863.6
162.5°	880.0	887.1	875.4	870.8	879.3
165°	901.3	909.1	897.0	892.1	901.3
167.5°	919.2	927.6	914.7	910.3	919.5
170°	929.6	937.4	924.6	919.0	928.2
172.5°	936.6	944.4	931.5	925.9	932.3
175°	944.2	952.7	939.8	934.1	937.6
177.5°	947.5	954.3	944.0	939.0	946.9
180°	946.3	946.3	946.3	946.3	946.3



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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	19.85	20.89	20.64	21.70	22.68	18.78	19.81	19.56	20.62	21.60
	3H	21.53	22.46	22.33	23.28	24.29	20.20	21.13	21.00	21.95	22.96
	4H	22.17	23.05	22.99	23.87	24.90	20.73	21.61	21.54	22.43	23.45
	6H	22.57	23.38	23.39	24.21	25.25	21.05	21.86	21.88	22.70	23.73
	8H	22.71	23.48	23.54	24.33	25.37	21.18	21.95	22.02	22.80	23.84
	12H	22.78	23.52	23.62	24.36	25.42	21.26	22.00	22.11	22.84	23.91
4H	2H	20.28	21.16	21.10	21.98	23.01	19.42	20.30	20.24	21.13	22.15
	3H	22.19	22.92	23.02	23.78	24.82	21.06	21.79	21.89	22.65	23.69
	4H	22.94	23.61	23.79	24.46	25.53	21.67	22.34	22.52	23.19	24.26
	6H	23.46	24.03	24.32	24.91	25.98	22.09	22.67	22.96	23.55	24.62
	8H	23.65	24.19	24.52	25.06	26.15	22.27	22.81	23.13	23.68	24.77
	12H	23.76	24.24	24.64	25.13	26.23	22.38	22.87	23.27	23.76	24.85
8H	4H	23.09	23.62	23.95	24.50	25.58	21.95	22.48	22.81	23.36	24.44
	6H	23.71	24.16	24.60	25.07	26.16	22.48	22.93	23.38	23.84	24.93
	8H	23.99	24.38	24.89	25.29	26.40	22.74	23.13	23.64	24.04	25.14
	12H	24.16	24.51	25.07	25.41	26.57	22.92	23.27	23.83	24.17	25.33
12H	4H	23.07	23.55	23.95	24.45	25.54	21.96	22.44	22.84	23.34	24.43
	6H	23.73	24.13	24.63	25.04	26.14	22.54	22.94	23.44	23.85	24.95
	8H	24.04	24.39	24.94	25.29	26.44	22.83	23.18	23.74	24.08	25.24