

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: P1439037

Luminaire Tested: CB2-D-055U-120D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439037  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-D-055U-120D-935-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

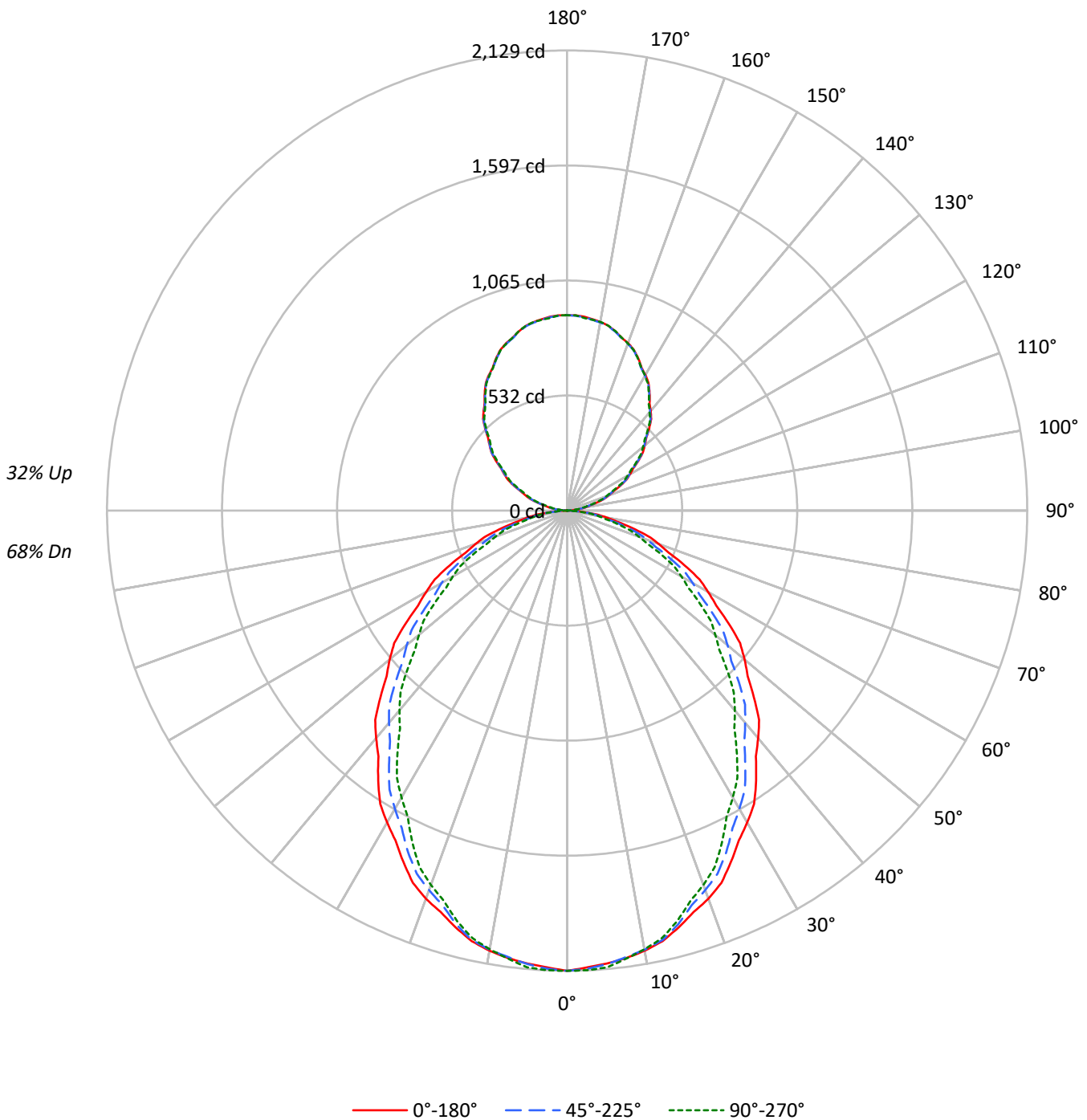
Lumens per Lamp: N/A  
Luminaire Lumens: 7270.8 lumens  
Efficiency: N/A  
Efficacy: 122.4 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 59.4  
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																		
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	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	58	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	74	64	57	51	57	52	47	51	47	43	46	42	39	36																												
5	72	60	52	46	68	57	50	44	52	45	41	46	41	37	41	37	34	32																												
6	66	54	46	40	63	52	44	39	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	35	30	27	25																												
8	57	45	37	31	54	43	35	30	39	33	28	35	30	26	32	28	24	22																												
9	54	41	33	28	51	39	32	27	36	30	26	33	27	24	29	25	22	20																												
10	50	38	30	26	47	36	29	25	33	27	23	30	25	22	27	23	20	18																												

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

	0°	45°	90°
0°	37088	37088	37088
5°	36776	36832	37089
10°	36566	36479	36451
15°	35986	35752	35458
20°	35421	34635	34151
25°	34469	33497	32557
30°	33514	32038	30825
35°	32415	30544	29087
40°	31252	29139	27434
45°	30080	27671	25824
50°	29026	26243	24254
55°	27727	24758	22775
60°	26241	23343	21298
65°	24662	21773	19823
70°	22916	20013	17936
75°	20848	18102	16238
80°	18646	15868	14714
85°	14329	13030	10751

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 30080 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.2	2.8
10°-20°	558.2	7.7
20°-30°	802.6	11.0
30°-40°	902.1	12.4
40°-50°	871.4	12.0
50°-60°	736.3	10.1
60°-70°	528.9	7.3
70°-80°	289.1	4.0
80°-90°	76.8	1.1
90°-100°	34.9	0.5
100°-110°	144.0	2.0
110°-120°	261.4	3.6
120°-130°	355.7	4.9
130°-140°	410.7	5.6
140°-150°	413.8	5.7
150°-160°	357.1	4.9
160°-170°	242.0	3.3
170°-180°	85.4	1.2
0°-30°	1561.1	21.5
0°-40°	2463.2	33.9
0°-60°	4070.9	56.0
0°-90°	4965.7	68.3
90°-120°	440.4	6.1
90°-150°	1620.6	22.3
90°-180°	2305.0	31.7
0°-180°	7270.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2129	2129	2129	2129	2129	
5°	2103	2132	2107	2107	2121	200
15°	1996	2013	1983	1963	1966	563
25°	1794	1795	1743	1704	1694	826
35°	1524	1507	1436	1381	1368	952
45°	1221	1196	1123	1064	1048	944
55°	913	880	815	764	750	816
65°	598	576	528	491	481	593
75°	310	291	269	248	241	331
85°	72	67	65	57	54	85
90°	0	0	1	0	1	4
95°	34	30	28	22	22	39
105°	142	140	137	129	128	151
115°	271	270	265	257	257	267
125°	403	407	398	390	391	359
135°	536	543	534	524	527	413
145°	665	672	662	654	659	415
155°	778	785	774	769	776	358
165°	859	868	857	853	860	242
175°	900	910	898	893	895	85
180°	904	904	904	904	904	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2129.4	2129.4	2129.4	2129.4	2129.4
2.5°	2115.1	2140.6	2121.6	2124.3	2128.1
5°	2103.4	2132.1	2106.6	2106.9	2121.3
7.5°	2088.4	2115.5	2083.5	2077.6	2091.0
10°	2067.5	2094.6	2062.6	2051.4	2061.0
12.5°	2040.1	2065.9	2035.2	2017.5	2025.7
15°	1995.7	2013.3	1982.7	1963.2	1966.4
17.5°	1947.5	1958.3	1914.2	1897.8	1894.6
20°	1911.0	1920.5	1868.6	1845.7	1842.5
22.5°	1864.0	1872.3	1817.7	1789.5	1785.1
25°	1793.6	1795.2	1743.0	1703.7	1694.1
27.5°	1719.9	1714.8	1656.9	1610.3	1597.9
30°	1666.4	1660.0	1593.0	1543.8	1532.7
32.5°	1609.0	1597.5	1530.4	1477.3	1466.2
35°	1524.5	1507.0	1436.5	1380.7	1368.0
37.5°	1434.5	1414.8	1345.5	1284.8	1270.5
40°	1374.5	1352.2	1281.6	1220.9	1206.6
42.5°	1314.5	1289.6	1217.7	1157.0	1141.4
45°	1221.2	1195.7	1123.4	1064.4	1048.4
47.5°	1132.5	1100.0	1029.8	971.1	955.2
50°	1071.2	1036.2	968.5	911.1	895.1
52.5°	1008.6	972.3	907.2	852.4	836.4
55°	913.1	879.6	815.3	764.4	750.0
57.5°	818.5	786.3	727.5	679.0	664.9
60°	753.3	726.2	670.1	624.2	611.4
62.5°	690.7	666.1	612.7	570.7	558.0
65°	598.4	576.1	528.3	490.6	481.0
67.5°	508.7	486.4	447.7	413.9	403.1
70°	450.0	427.7	393.0	361.8	352.2
72.5°	393.9	370.3	342.1	313.6	306.5
75°	309.8	290.7	269.0	247.7	241.3
77.5°	235.4	217.0	201.2	186.2	184.6
80°	185.9	169.9	158.2	148.3	146.7
82.5°	138.9	126.8	119.0	111.8	111.5
85°	71.7	67.0	65.2	57.0	53.8
87.5°	20.9	20.9	18.4	15.7	15.8
90°	0.0	0.0	0.7	0.0	0.7
92.5°	8.5	7.4	6.9	4.5	5.2
95°	33.8	29.7	28.2	21.9	21.9
97.5°	63.9	59.7	57.5	51.0	49.6
100°	85.3	81.2	79.0	71.9	70.5
102.5°	107.3	105.4	101.5	93.9	92.5
105°	142.4	140.4	136.8	129.0	127.6
107.5°	178.5	178.9	173.6	167.2	165.3
110°	204.5	203.8	199.5	193.2	191.8

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	231.0	229.7	225.5	219.1	217.7
115°	270.7	270.0	265.1	257.3	256.6
117.5°	308.5	310.7	304.9	296.7	296.4
120°	335.6	338.4	331.4	324.3	322.9
122.5°	362.1	365.4	358.4	350.3	350.5
125°	402.6	406.7	398.4	389.9	390.6
127.5°	441.6	446.7	439.0	430.4	431.2
130°	468.1	474.4	466.0	456.9	458.3
132.5°	495.2	501.4	493.1	483.4	485.9
135°	536.5	542.7	533.7	523.9	527.4
137.5°	575.5	581.7	571.8	563.6	567.7
140°	601.4	607.6	597.2	589.5	593.6
142.5°	626.8	634.1	623.1	614.9	620.2
145°	664.9	672.4	662.0	654.4	659.2
147.5°	701.0	708.5	698.0	690.6	695.6
150°	724.1	731.7	720.6	714.3	719.9
152.5°	745.5	754.2	742.6	736.4	743.5
155°	777.7	785.2	774.1	769.3	775.5
157.5°	805.6	814.4	803.3	799.2	804.2
160°	824.2	832.5	821.4	817.3	822.8
162.5°	838.3	847.1	836.6	832.0	838.6
165°	859.4	868.4	857.3	852.6	860.2
167.5°	876.1	885.6	874.4	869.5	877.2
170°	886.2	895.2	883.4	878.0	886.2
172.5°	893.0	902.5	890.2	884.7	890.2
175°	900.3	910.0	898.2	892.6	894.7
177.5°	903.9	911.6	902.2	897.2	903.9
180°	903.9	903.9	903.9	903.9	903.9

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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	21.10	22.14	21.88	22.94	23.93	20.00	21.04	20.79	21.84	22.83
	3H	22.76	23.69	23.56	24.50	25.52	21.54	22.47	22.34	23.29	24.30
	4H	23.39	24.27	24.21	25.09	26.12	22.12	23.00	22.94	23.82	24.85
	6H	23.81	24.61	24.63	25.45	26.48	22.50	23.31	23.33	24.14	25.18
	8H	23.96	24.73	24.80	25.58	26.62	22.65	23.42	23.48	24.27	25.31
	12H	24.04	24.77	24.88	25.62	26.68	22.72	23.45	23.56	24.29	25.36
4H	2H	21.53	22.41	22.35	23.23	24.26	20.65	21.53	21.47	22.36	23.38
	3H	23.41	24.15	24.25	25.00	26.04	22.41	23.14	23.24	23.99	25.04
	4H	24.17	24.83	25.01	25.69	26.76	23.09	23.75	23.93	24.61	25.68
	6H	24.70	25.27	25.56	26.15	27.22	23.57	24.15	24.43	25.03	26.10
	8H	24.91	25.44	25.77	26.32	27.40	23.76	24.30	24.63	25.18	26.26
	12H	25.02	25.50	25.90	26.40	27.49	23.86	24.34	24.74	25.24	26.33
8H	4H	24.34	24.87	25.20	25.75	26.83	23.37	23.91	24.24	24.79	25.87
	6H	24.99	25.43	25.88	26.35	27.43	23.98	24.43	24.88	25.35	26.43
	8H	25.28	25.67	26.18	26.58	27.68	24.26	24.66	25.16	25.57	26.67
	12H	25.46	25.81	26.37	26.71	27.86	24.42	24.77	25.32	25.67	26.82
12H	4H	24.33	24.81	25.21	25.70	26.79	23.39	23.87	24.27	24.76	25.85
	6H	25.02	25.41	25.92	26.32	27.42	24.05	24.44	24.95	25.35	26.46
	8H	25.34	25.69	26.25	26.59	27.75	24.36	24.71	25.27	25.61	26.77