

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: P1439512

Luminaire Tested: CB3-D-030U-055D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439512  
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-030U-055D-940-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

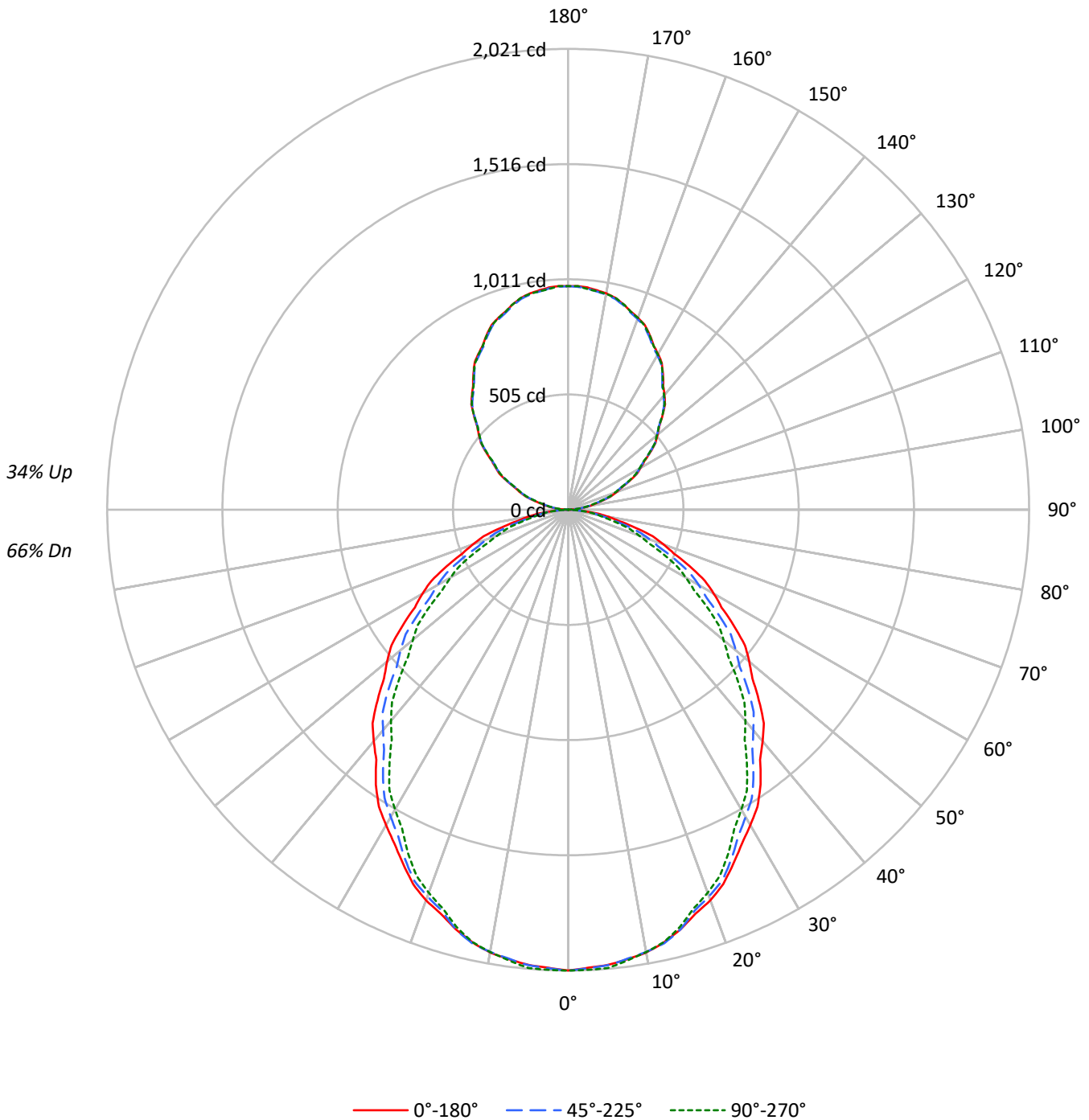
Lumens per Lamp: N/A  
Luminaire Lumens: 7364.3 lumens  
Efficiency: N/A  
Efficacy: 145.5 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 50.6  
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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	71	71	71	66
1	102	97	93	90	95	92	88	85	81	79	76	72	70	68	63	61	60	56
2	93	85	79	74	87	80	75	70	71	67	64	63	60	57	56	53	51	47
3	85	75	68	62	79	71	64	59	63	58	54	56	52	49	49	46	44	40
4	78	67	59	53	73	63	56	50	56	51	46	50	46	42	44	41	38	35
5	71	60	51	45	67	57	49	44	51	45	40	45	40	36	40	36	33	30
6	66	54	45	40	62	51	43	38	46	40	35	41	36	32	36	32	29	27
7	61	49	41	35	57	46	39	34	42	36	31	37	32	29	33	29	26	24
8	57	44	36	31	53	42	35	30	38	32	28	34	29	26	31	27	24	21
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	28	24	21	19
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	18

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

	0°	45°	90°
0°	11433	11433	11433
5°	11379	11387	11457
10°	11329	11313	11313
15°	11156	11156	11089
20°	10975	10863	10763
25°	10694	10560	10372
30°	10432	10161	9917
35°	10157	9781	9434
40°	9791	9325	8922
45°	9459	8920	8369
50°	9118	8436	7830
55°	8746	7967	7317
60°	8344	7485	6738
65°	7875	6934	6127
70°	7334	6289	5458
75°	6649	5519	4861
80°	5796	4626	4300
85°	4472	3914	3914

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 9459 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	190.7	2.6
10°-20°	535.7	7.3
20°-30°	778.1	10.6
30°-40°	884.6	12.0
40°-50°	858.7	11.7
50°-60°	725.0	9.8
60°-70°	515.8	7.0
70°-80°	275.6	3.7
80°-90°	72.8	1.0
90°-100°	41.4	0.6
100°-110°	162.1	2.2
110°-120°	288.9	3.9
120°-130°	391.0	5.3
130°-140°	449.5	6.1
140°-150°	451.1	6.1
150°-160°	387.9	5.3
160°-170°	262.6	3.6
170°-180°	92.6	1.3
0°-30°	1504.6	20.4
0°-40°	2389.1	32.4
0°-60°	3972.9	53.9
0°-90°	4837.2	65.7
90°-120°	492.5	6.7
90°-150°	1784.0	24.2
90°-180°	2527.0	34.3
0°-180°	7364.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2021	2021	2021	2021	2021	
5°	2004	2029	2005	2003	2018	190
15°	1905	1922	1905	1893	1893	537
25°	1713	1719	1692	1669	1662	789
35°	1471	1457	1416	1374	1366	916
45°	1182	1164	1115	1061	1046	912
55°	887	863	808	756	742	793
65°	588	567	518	472	458	583
75°	304	287	252	227	222	324
85°	69	63	60	60	60	82
90°	0	0	0	0	0	4
95°	40	36	32	30	31	45
105°	157	156	151	149	147	168
115°	295	296	290	289	288	292
125°	439	444	435	434	435	393
135°	585	591	581	577	583	451
145°	725	731	719	715	722	453
155°	846	853	839	836	844	389
165°	934	942	929	924	934	263
175°	978	987	974	968	971	93
180°	980	980	980	980	980	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2021.0	2021.0	2021.0	2021.0	2021.0
2.5°	2010.7	2030.9	2013.0	2015.4	2019.9
5°	2003.8	2029.1	2005.2	2002.7	2017.5
7.5°	1988.3	2011.3	1986.6	1980.8	1993.5
10°	1972.2	1997.5	1969.4	1962.3	1969.4
12.5°	1943.5	1969.9	1947.6	1935.9	1941.8
15°	1904.8	1921.6	1904.8	1893.3	1893.3
17.5°	1857.4	1875.1	1843.4	1835.3	1832.0
20°	1823.0	1838.4	1804.4	1792.8	1787.8
22.5°	1777.1	1791.4	1763.0	1742.8	1737.3
25°	1713.2	1718.8	1691.7	1668.6	1661.6
27.5°	1649.8	1651.2	1613.9	1585.9	1576.6
30°	1597.0	1598.4	1555.4	1525.1	1518.1
32.5°	1544.2	1540.0	1499.1	1463.1	1458.4
35°	1470.7	1456.7	1416.2	1374.4	1366.0
37.5°	1382.0	1373.6	1325.8	1283.9	1271.3
40°	1325.8	1311.8	1262.7	1220.8	1208.1
42.5°	1269.6	1253.3	1203.0	1156.5	1142.7
45°	1182.3	1164.1	1114.9	1061.4	1046.0
47.5°	1094.5	1074.6	1020.5	968.7	951.6
50°	1036.0	1014.9	958.5	907.8	889.6
52.5°	976.3	954.1	897.6	845.9	831.1
55°	886.7	862.9	807.8	755.8	741.8
57.5°	797.2	773.6	718.9	669.7	652.9
60°	737.5	715.1	661.5	612.3	595.5
62.5°	676.7	655.3	602.9	554.9	539.2
65°	588.3	567.2	518.0	471.7	457.7
67.5°	500.8	482.8	434.2	391.7	380.5
70°	443.4	426.5	380.2	341.2	330.0
72.5°	388.3	370.3	326.3	293.1	285.2
75°	304.2	287.4	252.5	226.6	222.4
77.5°	227.3	213.5	183.4	168.7	166.4
80°	177.9	165.3	142.0	132.0	132.0
82.5°	132.0	121.6	106.5	102.2	102.2
85°	68.9	63.3	60.3	60.3	60.3
87.5°	20.7	20.7	19.5	18.4	18.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	10.8	9.7	6.0	4.8	4.8
95°	39.8	36.2	32.3	30.1	30.8
97.5°	73.5	70.0	65.3	63.0	63.6
100°	97.0	94.0	88.7	86.5	86.5
102.5°	119.8	118.1	112.8	110.5	111.1
105°	157.1	156.4	151.1	148.8	147.4
107.5°	198.3	197.0	191.1	190.9	189.6
110°	224.8	224.1	218.8	218.0	217.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	251.9	252.9	247.1	246.3	245.6
115°	294.7	296.2	289.5	288.7	288.0
117.5°	338.6	340.7	333.5	332.7	331.4
120°	366.9	371.3	362.4	361.6	360.9
122.5°	395.8	399.6	391.3	389.9	389.8
125°	439.1	444.2	435.3	433.8	434.6
127.5°	482.4	487.7	479.4	476.4	478.0
130°	511.2	517.1	508.2	505.3	507.5
132.5°	540.7	546.6	537.7	534.8	538.2
135°	584.9	590.8	581.2	576.8	582.7
137.5°	628.1	633.2	622.7	619.7	625.8
140°	656.4	661.5	650.3	646.7	654.1
142.5°	684.0	689.8	677.4	673.8	681.8
145°	724.8	730.7	718.8	715.1	721.8
147.5°	763.9	769.9	757.9	753.6	760.4
150°	787.9	794.5	781.9	778.3	785.7
152.5°	811.4	818.6	805.4	801.2	810.3
155°	845.8	853.2	839.1	835.5	844.3
157.5°	876.8	883.6	870.8	867.2	874.8
160°	895.4	902.8	889.4	885.9	894.7
162.5°	911.7	919.0	906.9	902.1	910.9
165°	933.8	941.9	929.3	924.2	933.8
167.5°	952.3	961.0	947.6	943.0	952.6
170°	963.1	971.2	957.8	952.0	961.6
172.5°	970.3	978.4	965.1	959.2	965.8
175°	978.1	987.0	973.6	967.7	971.4
177.5°	981.6	988.7	978.0	972.8	981.0
180°	980.4	980.4	980.4	980.4	980.4



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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	16.95	17.96	17.76	18.79	19.82	15.87	16.88	16.69	17.71	18.74
	3H	18.63	19.53	19.45	20.37	21.43	17.30	18.20	18.12	19.04	20.10
	4H	19.27	20.12	20.11	20.97	22.04	17.82	18.67	18.66	19.52	20.59
	6H	19.66	20.44	20.51	21.30	22.38	18.15	18.93	19.00	19.79	20.87
	8H	19.80	20.55	20.66	21.42	22.51	18.27	19.02	19.14	19.90	20.98
	12H	19.87	20.59	20.74	21.45	22.56	18.35	19.07	19.22	19.94	21.04
4H	2H	17.38	18.23	18.22	19.08	20.15	16.52	17.37	17.37	18.22	19.29
	3H	19.28	19.99	20.14	20.87	21.96	18.15	18.86	19.01	19.74	20.83
	4H	20.04	20.68	20.91	21.56	22.67	18.76	19.41	19.63	20.29	21.40
	6H	20.55	21.10	21.43	22.01	23.12	19.18	19.74	20.07	20.65	21.76
	8H	20.74	21.26	21.63	22.16	23.29	19.36	19.88	20.25	20.78	21.90
	12H	20.84	21.31	21.75	22.23	23.36	19.47	19.94	20.38	20.86	21.99
8H	4H	20.18	20.70	21.06	21.60	22.72	19.04	19.56	19.93	20.46	21.58
	6H	20.80	21.23	21.72	22.17	23.30	19.57	20.00	20.49	20.94	22.07
	8H	21.08	21.46	22.00	22.39	23.54	19.82	20.21	20.75	21.14	22.28
	12H	21.25	21.58	22.18	22.51	23.70	20.01	20.34	20.94	21.27	22.46
12H	4H	20.16	20.62	21.06	21.54	22.68	19.05	19.51	19.95	20.43	21.56
	6H	20.82	21.20	21.74	22.13	23.28	19.63	20.01	20.55	20.94	22.09
	8H	21.12	21.46	22.05	22.39	23.58	19.92	20.25	20.85	21.18	22.37