

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: P1439615

Luminaire Tested: CB3-D-125U-085D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439615
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-125U-085D-940-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

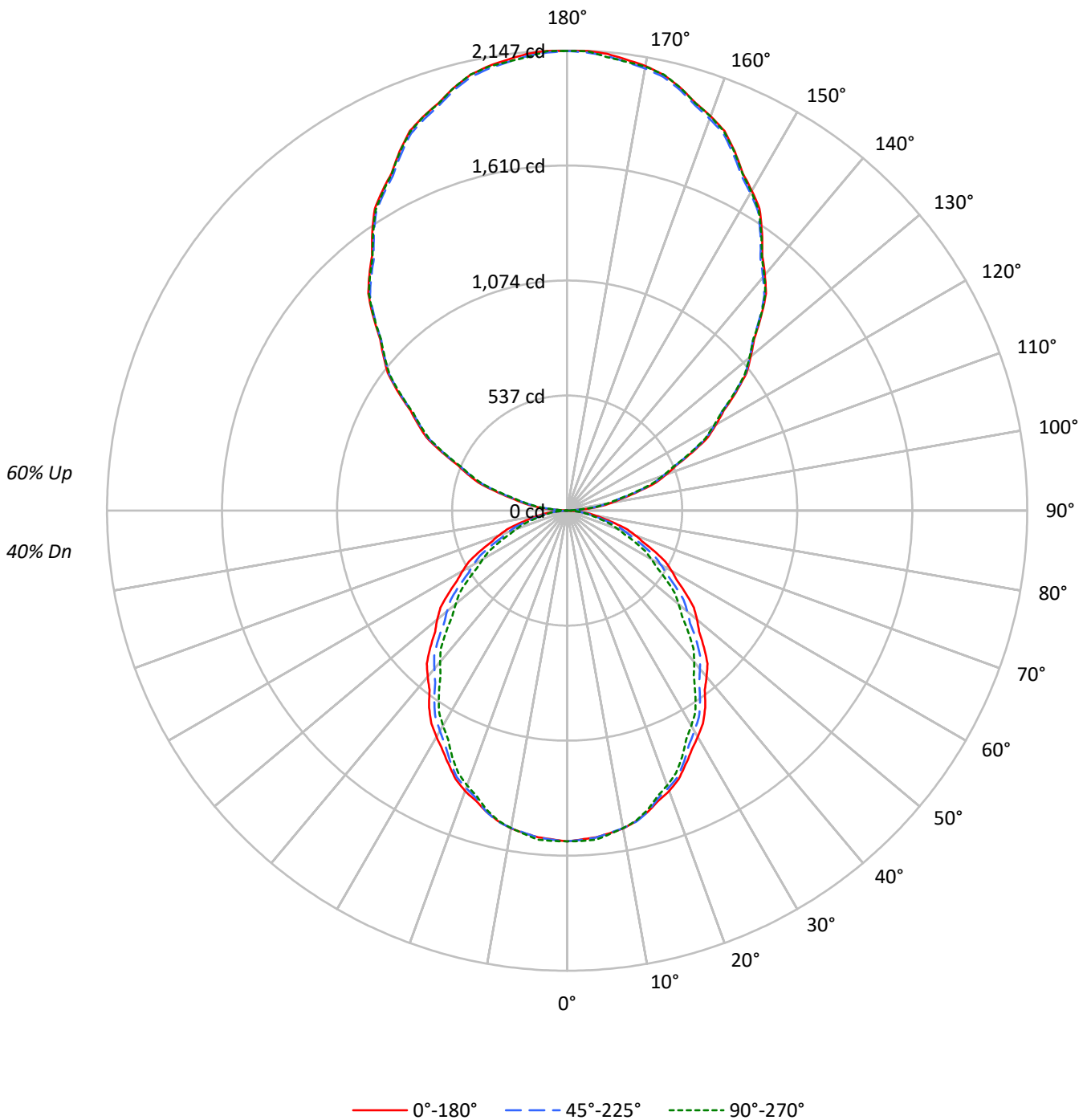
Lumens per Lamp: N/A
Luminaire Lumens: 9218.7 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 62.9
Input Voltage (V): 120
Input Current (A_{in}): 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	0														
RCR																																						
0	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40																				
1	96	92	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34																				
2	87	80	74	69	79	73	68	64	60	56	53	48	46	43	37	35	34	29																				
3	80	70	63	58	72	64	58	53	53	49	45	43	39	37	33	31	29	24																				
4	73	62	55	49	66	57	50	45	47	42	38	38	34	32	29	27	25	21																				
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	27	24	22	18																				
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16																				
7	57	45	37	32	52	41	34	30	34	29	25	28	24	21	22	19	17	14																				
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	18	15	13																				
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12																				
10	46	34	27	22	42	31	25	21	27	22	18	22	18	15	17	15	13	11																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17464	17464	17464
5°	17381	17393	17511
10°	17306	17281	17281
15°	17041	17041	16938
20°	16765	16593	16428
25°	16323	16118	15831
30°	15924	15508	15137
35°	15503	14929	14400
40°	14944	14234	13618
45°	14438	13615	12774
50°	13916	12876	11950
55°	13349	12161	11167
60°	12738	11423	10283
65°	12021	10583	9352
70°	11195	9600	8333
75°	10151	8424	7419
80°	8848	7063	6561
85°	6829	5972	5972

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14438 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.6	1.6
10°-20°	409.2	4.4
20°-30°	594.0	6.4
30°-40°	675.1	7.3
40°-50°	655.4	7.1
50°-60°	553.3	6.0
60°-70°	393.7	4.3
70°-80°	210.3	2.3
80°-90°	55.6	0.6
90°-100°	90.6	1.0
100°-110°	354.5	3.8
110°-120°	631.9	6.9
120°-130°	855.1	9.3
130°-140°	983.0	10.7
140°-150°	986.4	10.7
150°-160°	848.3	9.2
160°-170°	574.2	6.2
170°-180°	202.5	2.2
0°-30°	1148.8	12.5
0°-40°	1823.9	19.8
0°-60°	3032.6	32.9
0°-90°	3692.2	40.1
90°-120°	1077.0	11.7
90°-150°	3901.5	42.3
90°-180°	5527.0	60.0
0°-180°	9218.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1544	1544	1544	1544	1544	
5°	1530	1550	1531	1530	1542	145
15°	1455	1468	1455	1446	1446	410
25°	1308	1312	1291	1273	1268	603
35°	1122	1112	1081	1049	1042	699
45°	902	888	851	810	798	696
55°	677	658	616	577	566	605
65°	449	433	395	360	349	445
75°	232	219	193	173	170	248
85°	53	48	46	46	46	62
90°	0	0	0	0	0	5
95°	87	79	71	66	67	99
105°	344	342	330	326	322	367
115°	644	648	633	631	630	639
125°	960	972	952	949	950	859
135°	1279	1292	1271	1261	1274	986
145°	1585	1598	1572	1564	1578	990
155°	1850	1866	1835	1827	1846	851
165°	2042	2060	2032	2021	2042	575
175°	2139	2158	2129	2116	2124	203
180°	2144	2144	2144	2144	2144	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1543.5	1543.5	1543.5	1543.5	1543.5
2.5°	1535.6	1551.0	1537.4	1539.2	1542.6
5°	1530.3	1549.6	1531.4	1529.5	1541.8
7.5°	1518.5	1536.1	1517.2	1512.8	1522.5
10°	1506.3	1525.5	1504.1	1498.7	1504.1
12.5°	1484.4	1504.5	1487.4	1478.5	1483.0
15°	1454.8	1467.6	1454.8	1446.0	1446.0
17.5°	1418.7	1432.1	1407.9	1401.7	1399.0
20°	1392.4	1404.1	1378.1	1369.3	1364.4
22.5°	1357.3	1368.2	1346.6	1330.3	1325.9
25°	1307.5	1311.8	1291.1	1273.4	1268.1
27.5°	1259.1	1260.2	1231.7	1210.3	1203.3
30°	1218.8	1219.9	1187.0	1163.9	1158.6
32.5°	1178.5	1175.3	1144.1	1116.7	1113.0
35°	1122.4	1111.7	1080.8	1048.9	1042.5
37.5°	1054.8	1048.3	1011.8	979.9	970.2
40°	1011.8	1001.1	963.7	931.7	922.0
42.5°	968.9	956.5	918.1	882.6	872.1
45°	902.3	888.4	850.9	810.1	798.3
47.5°	835.3	820.1	778.8	739.3	726.2
50°	790.6	774.6	731.5	692.9	678.9
52.5°	745.1	728.2	685.1	645.6	634.3
55°	676.7	658.5	616.5	576.9	566.1
57.5°	608.4	590.4	548.6	511.1	498.3
60°	562.9	545.7	504.8	467.3	454.4
62.5°	516.4	500.2	460.1	423.5	411.5
65°	449.0	432.9	395.3	360.0	349.3
67.5°	382.2	368.5	331.4	299.0	290.4
70°	338.4	325.5	290.2	260.4	251.9
72.5°	296.3	282.6	249.0	223.7	217.7
75°	232.2	219.3	192.7	172.9	169.7
77.5°	173.5	163.0	139.9	128.7	127.0
80°	135.8	126.2	108.4	100.7	100.7
82.5°	100.7	92.8	81.3	78.0	78.0
85°	52.6	48.3	46.0	46.0	46.0
87.5°	15.8	15.8	14.9	14.0	14.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	23.7	21.1	13.2	10.5	10.5
95°	87.1	79.1	70.7	65.8	67.4
97.5°	160.8	153.1	142.7	137.8	139.1
100°	212.1	205.7	194.0	189.1	189.1
102.5°	262.1	258.2	246.6	241.7	243.0
105°	343.6	342.0	330.5	325.5	322.3
107.5°	433.7	430.8	418.0	417.6	414.7
110°	491.6	490.0	478.5	476.8	475.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	550.8	553.1	540.3	538.6	537.0
115°	644.5	647.7	633.0	631.3	629.7
117.5°	740.5	745.0	729.4	727.7	724.8
120°	802.4	812.0	792.5	790.8	789.2
122.5°	865.5	873.9	855.6	852.7	852.4
125°	960.2	971.5	952.0	948.7	950.3
127.5°	1054.9	1066.5	1048.3	1041.8	1045.4
130°	1118.1	1130.9	1111.5	1105.0	1109.8
132.5°	1182.5	1195.4	1175.9	1169.5	1176.9
135°	1279.2	1292.0	1271.0	1261.4	1274.3
137.5°	1373.6	1384.8	1361.7	1355.1	1368.6
140°	1435.4	1446.6	1422.2	1414.4	1430.5
142.5°	1495.9	1508.4	1481.4	1473.6	1491.0
145°	1585.0	1597.9	1571.9	1564.0	1578.4
147.5°	1670.5	1683.7	1657.4	1648.2	1662.9
150°	1723.1	1737.6	1710.0	1702.1	1718.2
152.5°	1774.4	1790.2	1761.3	1752.2	1772.1
155°	1849.7	1865.8	1834.9	1827.1	1846.4
157.5°	1917.5	1932.3	1904.3	1896.5	1913.2
160°	1958.2	1974.3	1945.1	1937.3	1956.6
162.5°	1993.8	2009.8	1983.2	1972.8	1992.1
165°	2042.1	2059.8	2032.2	2021.2	2042.1
167.5°	2082.5	2101.5	2072.3	2062.3	2083.2
170°	2106.2	2123.9	2094.7	2082.0	2102.9
172.5°	2122.0	2139.7	2110.5	2097.7	2112.1
175°	2139.1	2158.4	2129.2	2116.3	2124.3
177.5°	2146.7	2162.1	2138.8	2127.3	2145.4
180°	2144.0	2144.0	2144.0	2144.0	2144.0



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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	16.08	16.85	17.12	17.90	19.31	15.01	15.78	16.05	16.82	18.23
	3H	17.74	18.43	18.79	19.49	20.91	16.41	17.10	17.46	18.16	19.58
	4H	18.37	19.02	19.43	20.08	21.51	16.93	17.58	17.99	18.63	20.07
	6H	18.75	19.35	19.82	20.41	21.86	17.24	17.84	18.31	18.90	20.34
	8H	18.88	19.46	19.96	20.53	21.97	17.36	17.93	18.43	19.01	20.45
	12H	18.95	19.49	20.03	20.56	22.03	17.43	17.97	18.51	19.04	20.51
4H	2H	16.48	17.13	17.55	18.19	19.62	15.62	16.28	16.69	17.33	18.76
	3H	18.36	18.91	19.44	19.99	21.44	17.23	17.78	18.31	18.86	20.31
	4H	19.11	19.61	20.19	20.68	22.15	17.84	18.33	18.92	19.41	20.88
	6H	19.60	20.03	20.69	21.13	22.59	18.24	18.67	19.33	19.77	21.23
	8H	19.79	20.19	20.88	21.28	22.76	18.41	18.81	19.50	19.90	21.38
	12H	19.89	20.25	20.99	21.35	22.83	18.51	18.87	19.62	19.98	21.46
8H	4H	19.23	19.63	20.32	20.72	22.20	18.09	18.49	19.18	19.58	21.06
	6H	19.84	20.17	20.96	21.31	22.78	18.61	18.94	19.73	20.08	21.55
	8H	20.12	20.41	21.24	21.52	23.02	18.87	19.16	19.99	20.27	21.76
	12H	20.28	20.53	21.40	21.64	23.18	19.04	19.29	20.16	20.40	21.93
12H	4H	19.20	19.56	20.31	20.66	22.14	18.09	18.45	19.20	19.55	21.03
	6H	19.86	20.15	20.98	21.26	22.76	18.67	18.96	19.79	20.07	21.57
	8H	20.16	20.41	21.28	21.52	23.05	18.95	19.20	20.07	20.31	21.84