

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: P1439327

Luminaire Tested: CB3-125U-055D-830-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439327
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: CB3-125U-055D-830-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

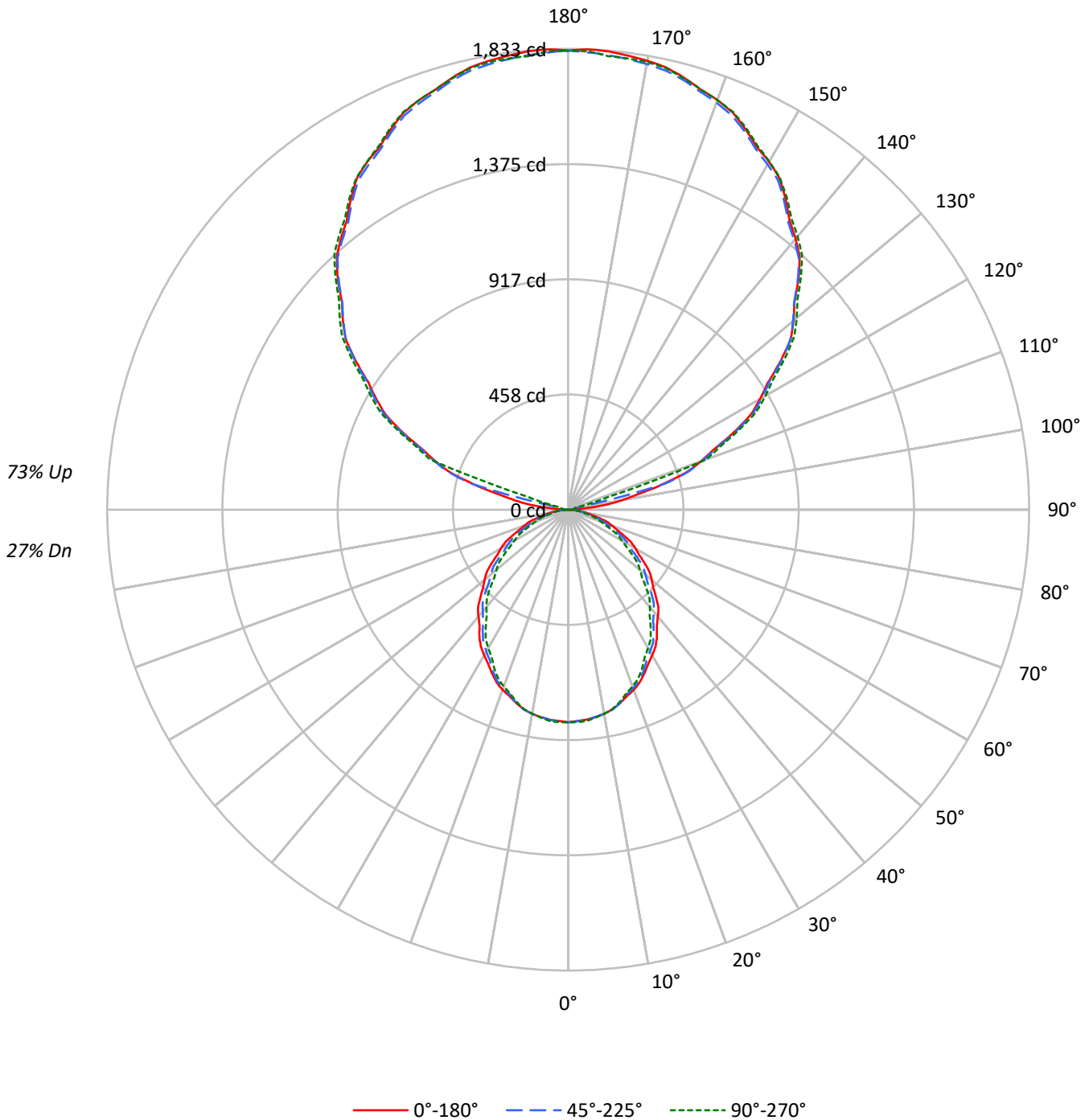
Lumens per Lamp: N/A
Luminaire Lumens: 7413.8 lumens
Efficiency: N/A
Efficacy: 137.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 53.8
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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27																				
1	93	89	85	82	83	79	76	74	62	60	58	46	45	44	31	31	30	23																				
2	85	77	72	67	75	69	65	60	54	51	48	40	38	36	28	26	25	20																				
3	77	68	61	56	69	61	55	50	48	44	41	36	33	31	25	23	22	17																				
4	71	60	53	47	63	54	48	43	43	38	34	32	29	26	22	20	19	14																				
5	65	54	46	40	58	48	42	37	38	33	30	29	25	23	20	18	16	13																				
6	59	48	40	35	53	43	36	32	34	29	26	26	23	20	18	16	14	11																				
7	55	43	36	30	49	39	32	28	31	26	23	23	20	18	16	14	13	10																				
8	51	39	32	27	45	35	29	24	28	23	20	21	18	16	15	13	11	9																				
9	47	36	28	23	42	32	26	22	26	21	18	20	16	14	14	12	10	8																				
10	44	32	26	21	39	29	23	19	24	19	16	18	15	13	13	11	9	7																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9566	9566	9566
5°	9521	9528	9583
10°	9480	9466	9466
15°	9333	9333	9277
20°	9182	9088	9009
25°	8951	8839	8682
30°	8731	8504	8300
35°	8502	8187	7897
40°	8194	7805	7468
45°	7917	7466	7005
50°	7632	7060	6553
55°	7320	6669	6125
60°	6986	6264	5639
65°	6591	5804	5130
70°	6140	5263	4569
75°	5565	4621	4070
80°	4854	3870	3597
85°	3739	3271	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7917 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.8	1.1
10°-20°	224.1	3.0
20°-30°	325.6	4.4
30°-40°	370.2	5.0
40°-50°	359.4	4.8
50°-60°	303.4	4.1
60°-70°	215.9	2.9
70°-80°	115.4	1.6
80°-90°	30.5	0.4
90°-100°	42.2	0.6
100°-110°	305.4	4.1
110°-120°	726.1	9.8
120°-130°	927.7	12.5
130°-140°	1000.6	13.5
140°-150°	943.3	12.7
150°-160°	769.5	10.4
160°-170°	501.4	6.8
170°-180°	173.3	2.3
0°-30°	629.5	8.5
0°-40°	999.7	13.5
0°-60°	1662.5	22.4
0°-90°	2024.3	27.3
90°-120°	1073.7	14.5
90°-150°	3945.3	53.2
90°-180°	5390.0	72.7
0°-180°	7413.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	846	846	846	846	846	
5°	838	849	839	838	844	80
15°	797	804	797	792	792	224
25°	717	719	708	698	695	330
35°	616	610	593	575	572	384
45°	495	487	467	444	438	382
55°	371	361	338	316	310	332
65°	246	237	217	197	192	244
75°	127	120	106	95	93	136
85°	29	26	25	25	25	34
90°	0	0	0	1	0	4
95°	77	14	18	19	19	95
105°	387	392	398	29	30	408
115°	725	731	732	743	747	715
125°	1031	1038	1035	1046	1053	920
135°	1295	1302	1291	1301	1309	997
145°	1507	1516	1497	1507	1515	943
155°	1669	1683	1660	1664	1675	770
165°	1779	1789	1770	1765	1777	502
175°	1830	1840	1815	1806	1811	174
180°	1826	1826	1826	1826	1826	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	845.5	845.5	845.5	845.5	845.5
2.5°	841.2	849.6	842.1	843.1	845.0
5°	838.3	848.8	838.9	837.8	843.7
7.5°	831.8	841.4	831.1	828.7	834.0
10°	825.1	835.6	823.9	820.9	823.9
12.5°	813.1	824.1	814.7	809.9	812.3
15°	796.8	803.9	796.8	792.0	792.0
17.5°	777.0	784.4	771.1	767.8	766.5
20°	762.6	769.1	754.8	750.0	748.2
22.5°	743.4	749.4	737.5	729.3	727.1
25°	717.0	719.3	708.0	698.3	695.4
27.5°	690.4	691.0	675.4	663.7	659.8
30°	668.3	668.9	650.9	638.3	635.3
32.5°	646.2	644.5	627.4	612.3	610.3
35°	615.5	609.6	592.7	575.2	571.7
37.5°	578.4	574.9	554.8	537.3	532.0
40°	554.8	549.0	528.4	510.9	505.6
42.5°	531.3	524.5	503.4	484.0	478.2
45°	494.8	487.2	466.6	444.2	437.8
47.5°	458.1	449.7	427.1	405.4	398.2
50°	433.6	424.7	401.1	379.9	372.3
52.5°	408.6	399.3	375.7	354.0	347.8
55°	371.1	361.1	338.1	316.3	310.5
57.5°	333.6	323.8	300.8	280.3	273.2
60°	308.7	299.3	276.8	256.2	249.2
62.5°	283.2	274.3	252.3	232.2	225.7
65°	246.2	237.4	216.8	197.4	191.6
67.5°	209.6	202.1	181.7	163.9	159.2
70°	185.6	178.5	159.1	142.8	138.1
72.5°	162.5	155.0	136.6	122.7	119.4
75°	127.3	120.3	105.7	94.8	93.1
77.5°	95.1	89.4	76.7	70.6	69.7
80°	74.5	69.2	59.4	55.2	55.2
82.5°	55.2	50.9	44.6	42.8	42.8
85°	28.8	26.5	25.2	25.2	25.2
87.5°	8.6	8.6	8.2	8.0	7.7
90°	0.0	0.0	0.0	1.3	0.0
92.5°	20.9	8.0	6.6	8.0	7.7
95°	77.1	13.8	17.9	19.3	19.3
97.5°	155.2	152.3	20.9	25.1	25.3
100°	214.7	221.4	22.0	26.2	27.5
102.5°	280.7	286.4	40.7	27.3	28.6
105°	386.7	392.1	397.7	28.9	30.3
107.5°	492.1	496.2	499.8	450.0	168.4
110°	561.5	565.5	567.0	580.8	583.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	626.4	631.6	634.2	645.8	650.7
115°	725.3	730.6	732.1	743.2	747.3
117.5°	819.1	824.8	827.4	836.3	842.8
120°	880.8	887.5	889.0	900.2	905.5
122.5°	941.3	949.1	948.5	958.6	966.1
125°	1030.8	1037.5	1034.9	1046.1	1052.8
127.5°	1115.8	1119.9	1114.2	1127.8	1133.4
130°	1169.8	1173.8	1167.0	1179.6	1186.3
132.5°	1219.3	1225.5	1217.7	1229.1	1235.8
135°	1295.0	1301.7	1290.9	1300.7	1308.8
137.5°	1362.4	1370.5	1357.5	1368.9	1375.9
140°	1406.5	1414.6	1398.2	1410.8	1418.9
142.5°	1447.2	1457.4	1437.9	1449.3	1458.5
145°	1506.9	1516.4	1497.3	1507.1	1515.2
147.5°	1563.6	1571.7	1553.5	1560.5	1566.1
150°	1597.8	1605.8	1585.4	1592.4	1599.1
152.5°	1625.3	1636.6	1616.2	1621.1	1631.1
155°	1669.3	1682.8	1659.7	1664.1	1674.8
157.5°	1709.8	1721.9	1698.8	1702.6	1712.0
160°	1734.0	1746.1	1723.0	1724.6	1734.0
162.5°	1752.7	1763.8	1743.9	1741.2	1752.7
165°	1779.4	1788.8	1769.8	1764.6	1776.7
167.5°	1801.7	1812.5	1789.1	1784.7	1798.4
170°	1813.8	1824.6	1800.1	1793.5	1808.3
172.5°	1821.5	1831.2	1807.8	1799.0	1810.5
175°	1830.3	1839.8	1815.2	1805.7	1811.1
177.5°	1832.8	1840.4	1820.7	1812.2	1825.1
180°	1826.2	1826.2	1826.2	1826.2	1826.2



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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	12.40	13.08	13.53	14.20	15.76	11.32	12.00	12.45	13.12	14.69
	3H	14.05	14.66	15.19	15.79	17.37	12.72	13.33	13.86	14.46	16.04
	4H	14.67	15.25	15.82	16.38	17.97	13.23	13.81	14.37	14.94	16.52
	6H	15.05	15.58	16.20	16.71	18.31	13.53	14.07	14.69	15.20	16.80
	8H	15.18	15.69	16.34	16.84	18.42	13.65	14.16	14.81	15.31	16.90
	12H	15.24	15.72	16.40	16.86	18.47	13.72	14.20	14.89	15.35	16.96
4H	2H	12.78	13.36	13.94	14.49	16.08	11.92	12.50	13.08	13.63	15.22
	3H	14.65	15.14	15.82	16.30	17.89	13.52	14.01	14.69	15.17	16.76
	4H	15.40	15.84	16.56	16.99	18.60	14.12	14.57	15.29	15.71	17.33
	6H	15.89	16.27	17.06	17.44	19.04	14.53	14.91	15.70	16.08	17.68
	8H	16.08	16.43	17.24	17.59	19.21	14.69	15.05	15.86	16.21	17.83
	12H	16.16	16.49	17.35	17.66	19.28	14.79	15.11	15.97	16.28	17.91
8H	4H	15.51	15.87	16.68	17.03	18.65	14.37	14.73	15.54	15.89	17.51
	6H	16.12	16.42	17.31	17.62	19.24	14.89	15.19	16.08	16.39	18.01
	8H	16.40	16.65	17.59	17.83	19.47	15.14	15.40	16.34	16.58	18.22
	12H	16.55	16.78	17.75	17.96	19.63	15.31	15.54	16.51	16.71	18.39
12H	4H	15.48	15.80	16.66	16.97	18.60	14.37	14.69	15.55	15.86	17.49
	6H	16.14	16.39	17.33	17.57	19.21	14.95	15.20	16.14	16.38	18.02
	8H	16.43	16.65	17.63	17.83	19.50	15.22	15.45	16.42	16.62	18.30