

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: P1438825

Luminaire Tested: CB2-125U-085D-840-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438825  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-125U-085D-840-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

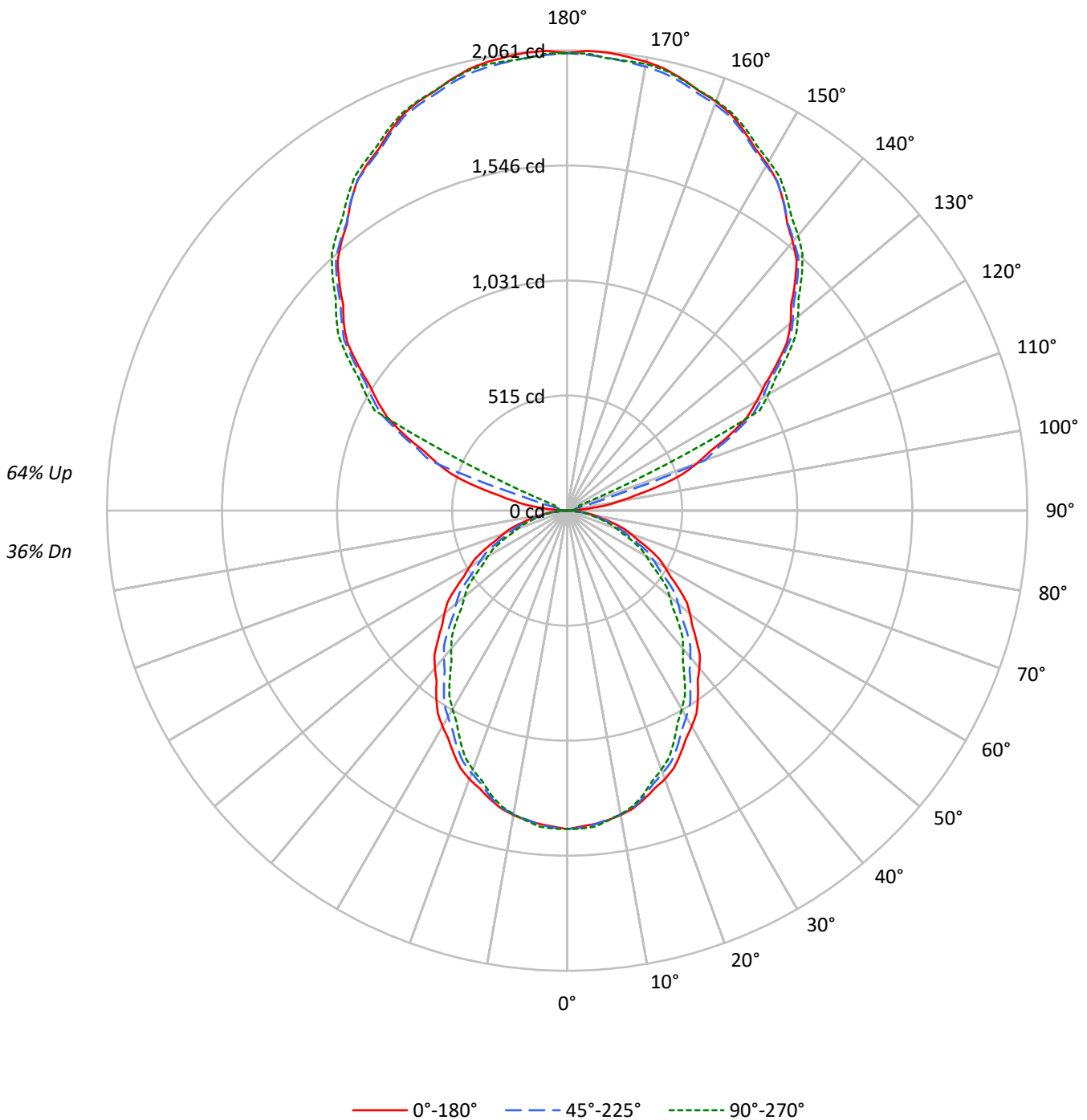
Lumens per Lamp: N/A  
Luminaire Lumens: 9168.4 lumens  
Efficiency: N/A  
Efficacy: 135.2 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 67.8  
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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	36
1	95	91	87	84	86	82	79	76	66	64	62	52	51	49	39	38	37	31
2	86	79	73	68	78	72	67	63	58	55	52	46	43	41	34	33	31	26
3	79	70	63	57	71	63	57	52	52	47	44	41	38	35	30	28	27	22
4	72	62	54	48	65	56	50	45	46	41	37	36	33	30	27	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17
6	61	49	41	36	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	37	31	51	41	34	29	33	28	25	27	23	20	20	18	16	13
8	52	40	33	28	47	37	30	26	30	25	22	24	21	18	19	16	14	12
9	49	37	29	25	44	34	27	23	28	23	20	22	19	16	17	15	13	11
10	45	34	27	22	41	31	25	20	26	21	18	21	17	15	16	14	12	10

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

	0°	45°	90°
0°	24844	24844	24844
5°	24633	24671	24845
10°	24493	24435	24416
15°	24107	23948	23751
20°	23727	23200	22876
25°	23088	22439	21808
30°	22449	21461	20649
35°	21713	20459	19485
40°	20934	19519	18376
45°	20151	18535	17299
50°	19444	17580	16247
55°	18572	16583	15256
60°	17578	15637	14268
65°	16518	14585	13279
70°	15349	13403	12013
75°	13964	12127	10875
80°	12488	10622	9860
85°	9612	8733	7194

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 20151 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.1	1.5
10°-20°	373.9	4.1
20°-30°	537.6	5.9
30°-40°	604.3	6.6
40°-50°	583.7	6.4
50°-60°	493.2	5.4
60°-70°	354.3	3.9
70°-80°	193.6	2.1
80°-90°	51.5	0.6
90°-100°	35.7	0.4
100°-110°	227.2	2.5
110°-120°	722.0	7.9
120°-130°	1047.8	11.4
130°-140°	1126.9	12.3
140°-150°	1061.0	11.6
150°-160°	864.3	9.4
160°-170°	562.6	6.1
170°-180°	194.5	2.1
0°-30°	1045.7	11.4
0°-40°	1650.0	18.0
0°-60°	2726.9	29.7
0°-90°	3326.4	36.3
90°-120°	985.0	10.7
90°-150°	4220.6	46.0
90°-180°	5842.0	63.7
0°-180°	9168.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1426	1426	1426	1426	1426	
5°	1409	1428	1411	1411	1421	134
15°	1337	1349	1328	1315	1317	377
25°	1201	1202	1168	1141	1135	553
35°	1021	1010	962	925	916	638
45°	818	801	752	713	702	632
55°	612	589	546	512	502	547
65°	401	386	354	329	322	397
75°	208	195	180	166	162	222
85°	48	45	44	38	36	57
90°	0	0	0	2	2	5
95°	82	24	25	16	15	103
105°	427	443	44	52	55	449
115°	807	825	833	842	483	794
125°	1147	1167	1167	1187	1203	1025
135°	1443	1460	1458	1467	1486	1113
145°	1689	1702	1690	1692	1714	1056
155°	1876	1887	1867	1863	1889	865
165°	2000	2006	1985	1977	1997	565
175°	2059	2064	2037	2024	2034	196
180°	2049	2049	2049	2049	2049	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1426.4	1426.4	1426.4	1426.4	1426.4
2.5°	1416.8	1433.9	1421.2	1423.0	1425.5
5°	1408.9	1428.2	1411.1	1411.3	1421.0
7.5°	1398.9	1417.1	1395.6	1391.7	1400.6
10°	1384.9	1403.1	1381.6	1374.1	1380.5
12.5°	1366.6	1383.9	1363.3	1351.4	1357.0
15°	1336.9	1348.6	1328.1	1315.1	1317.2
17.5°	1304.5	1311.8	1282.2	1271.3	1269.1
20°	1280.1	1286.5	1251.7	1236.3	1234.2
22.5°	1248.6	1254.2	1217.6	1198.7	1195.7
25°	1201.4	1202.5	1167.6	1141.2	1134.8
27.5°	1152.1	1148.6	1109.9	1078.7	1070.4
30°	1116.2	1112.0	1067.1	1034.1	1026.7
32.5°	1077.8	1070.1	1025.1	989.6	982.1
35°	1021.2	1009.5	962.2	924.9	916.4
37.5°	960.9	947.7	901.3	860.7	851.0
40°	920.7	905.8	858.5	817.8	808.2
42.5°	880.5	863.9	815.7	775.0	764.5
45°	818.1	801.0	752.5	713.0	702.3
47.5°	758.6	736.9	689.8	650.5	639.8
50°	717.6	694.1	648.8	610.3	599.6
52.5°	675.6	651.3	607.7	571.0	560.3
55°	611.6	589.2	546.1	512.0	502.4
57.5°	548.3	526.7	487.3	454.8	445.4
60°	504.6	486.4	448.9	418.1	409.6
62.5°	462.7	446.2	410.5	382.3	373.8
65°	400.8	385.9	353.9	328.6	322.2
67.5°	340.8	325.8	299.9	277.3	270.0
70°	301.4	286.5	263.2	242.3	235.9
72.5°	263.9	248.1	229.1	210.0	205.3
75°	207.5	194.7	180.2	165.9	161.6
77.5°	157.7	145.3	134.8	124.7	123.6
80°	124.5	113.8	105.9	99.4	98.3
82.5°	93.1	84.9	79.7	74.9	74.7
85°	48.1	44.9	43.7	38.2	36.0
87.5°	14.0	14.0	12.2	10.8	10.8
90°	0.0	0.0	0.0	1.5	1.5
92.5°	22.5	8.6	5.9	8.6	8.6
95°	81.5	23.5	25.2	16.3	14.8
97.5°	169.2	37.9	36.4	40.0	41.5
100°	235.6	77.7	40.0	46.0	47.4
102.5°	309.0	292.5	41.2	49.5	52.1
105°	426.7	442.6	44.4	51.9	54.8
107.5°	542.2	558.1	206.8	53.7	56.6
110°	619.2	635.2	654.8	54.9	57.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	691.5	711.0	725.9	122.1	60.1
115°	807.4	824.8	832.6	842.2	483.0
117.5°	909.6	931.1	939.8	956.5	972.7
120°	980.7	1001.0	1007.4	1024.1	1041.5
122.5°	1050.6	1068.6	1072.6	1091.6	1107.8
125°	1146.6	1166.9	1167.4	1187.0	1202.9
127.5°	1242.6	1260.0	1259.2	1273.9	1291.5
130°	1306.6	1318.2	1318.5	1330.8	1349.6
132.5°	1360.0	1376.2	1376.6	1386.5	1405.3
135°	1442.9	1460.3	1457.8	1467.1	1485.9
137.5°	1520.9	1537.7	1533.0	1540.9	1560.3
140°	1571.8	1586.3	1579.2	1587.1	1608.9
142.5°	1619.2	1633.7	1623.1	1629.8	1652.7
145°	1688.9	1701.9	1690.3	1692.3	1714.0
147.5°	1750.8	1763.5	1749.6	1751.5	1771.8
150°	1791.1	1802.7	1785.2	1787.1	1807.4
152.5°	1826.6	1837.1	1818.3	1818.0	1841.7
155°	1875.5	1887.1	1866.6	1862.8	1888.9
157.5°	1920.0	1930.7	1910.2	1907.4	1927.7
160°	1949.6	1956.8	1936.3	1932.3	1952.6
162.5°	1969.7	1978.1	1957.6	1951.2	1971.5
165°	2000.0	2005.8	1985.2	1976.7	1997.0
167.5°	2026.0	2032.7	2006.2	1998.7	2020.4
170°	2041.4	2045.8	2019.2	2009.3	2031.1
172.5°	2050.9	2054.1	2027.5	2016.3	2031.1
175°	2059.2	2063.6	2037.0	2023.9	2034.0
177.5°	2060.7	2063.0	2042.9	2031.5	2048.9
180°	2048.9	2048.9	2048.9	2048.9	2048.9

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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	16.74	17.48	17.81	18.55	20.01	15.64	16.38	16.71	17.45	18.91
	3H	18.37	19.04	19.45	20.12	21.59	17.16	17.82	18.24	18.90	20.37
	4H	19.00	19.63	20.09	20.71	22.19	17.72	18.36	18.81	19.43	20.91
	6H	19.39	19.97	20.49	21.06	22.55	18.09	18.67	19.19	19.75	21.25
	8H	19.54	20.09	20.64	21.19	22.67	18.23	18.78	19.33	19.88	21.36
	12H	19.61	20.13	20.72	21.23	22.73	18.29	18.81	19.39	19.90	21.41
4H	2H	17.13	17.76	18.23	18.84	20.32	16.26	16.89	17.35	17.97	19.45
	3H	18.99	19.52	20.09	20.62	22.12	17.98	18.51	19.09	19.61	21.11
	4H	19.73	20.22	20.84	21.31	22.82	18.65	19.13	19.76	20.23	21.74
	6H	20.25	20.66	21.36	21.78	23.28	19.12	19.53	20.23	20.65	22.16
	8H	20.45	20.83	21.56	21.95	23.47	19.31	19.69	20.42	20.80	22.33
	12H	20.55	20.90	21.68	22.02	23.55	19.39	19.74	20.52	20.86	22.39
8H	4H	19.88	20.27	20.99	21.38	22.90	18.92	19.30	20.03	20.41	21.94
	6H	20.52	20.84	21.65	21.99	23.51	19.52	19.83	20.65	20.99	22.51
	8H	20.81	21.08	21.95	22.22	23.76	19.79	20.07	20.93	21.20	22.74
	12H	20.98	21.22	22.12	22.35	23.93	19.93	20.18	21.08	21.31	22.88
12H	4H	19.85	20.20	20.99	21.33	22.85	18.91	19.26	20.05	20.39	21.91
	6H	20.54	20.82	21.69	21.96	23.50	19.58	19.86	20.72	20.99	22.53
	8H	20.86	21.10	22.00	22.23	23.81	19.88	20.12	21.02	21.25	22.83