

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: P1439347

Luminaire Tested: CB3-125U-085D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439347
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-085D-927-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

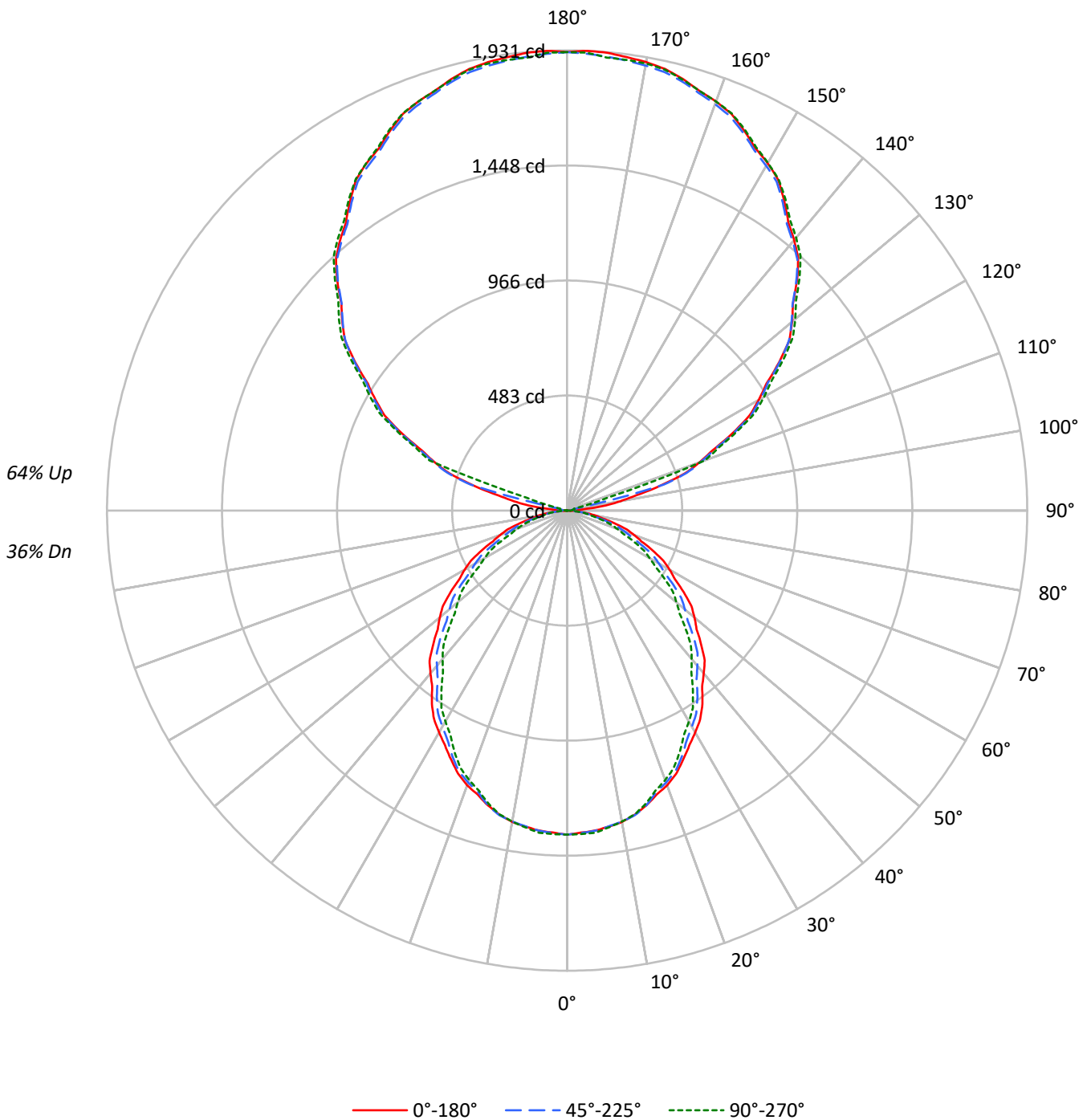
Lumens per Lamp: N/A
Luminaire Lumens: 8933.3 lumens
Efficiency: N/A
Efficacy: 142.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 62.9
Input Voltage (V): 120
Input Current (Ain): 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	67	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	53	52	47	44	41	38	35	30	29	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	19	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°	15383	15383	15383
5°	15310	15322	15409
10°	15244	15222	15222
15°	15010	15010	14920
20°	14767	14615	14487
25°	14394	14213	13960
30°	14042	13676	13347
35°	13672	13165	12698
40°	13179	12552	12010
45°	12732	12006	11265
50°	12272	11354	10539
55°	11773	10725	9847
60°	11231	10074	9067
65°	10599	9333	8246
70°	9872	8466	7347
75°	8949	7432	6544
80°	7799	6229	5786
85°	6024	5271	5271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12732 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.3	1.4
10°-20°	360.4	4.0
20°-30°	523.6	5.9
30°-40°	595.3	6.7
40°-50°	577.9	6.5
50°-60°	487.9	5.5
60°-70°	347.1	3.9
70°-80°	185.5	2.1
80°-90°	49.1	0.5
90°-100°	44.4	0.5
100°-110°	321.8	3.6
110°-120°	765.0	8.6
120°-130°	977.3	10.9
130°-140°	1054.2	11.8
140°-150°	993.8	11.1
150°-160°	810.7	9.1
160°-170°	528.2	5.9
170°-180°	182.6	2.0
0°-30°	1012.3	11.3
0°-40°	1607.6	18.0
0°-60°	2673.5	29.9
0°-90°	3255.2	36.4
90°-120°	1131.2	12.7
90°-150°	4156.6	46.5
90°-180°	5678.0	63.6
0°-180°	8933.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1360	1360	1360	1360	1360	
5°	1348	1365	1349	1347	1357	128
15°	1281	1293	1281	1274	1274	361
25°	1153	1157	1138	1123	1118	531
35°	990	980	953	925	919	617
45°	796	783	750	714	704	614
55°	597	581	544	509	499	534
65°	396	382	349	318	308	392
75°	205	193	170	152	150	218
85°	46	43	41	41	41	55
90°	0	0	0	1	0	5
95°	81	15	19	20	20	100
105°	407	413	419	30	32	430
115°	764	770	771	783	787	754
125°	1086	1093	1090	1102	1109	969
135°	1364	1371	1360	1370	1379	1051
145°	1588	1598	1578	1588	1596	993
155°	1759	1773	1749	1753	1764	811
165°	1875	1885	1864	1859	1872	529
175°	1928	1938	1912	1902	1908	183
180°	1924	1924	1924	1924	1924	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1359.6	1359.6	1359.6	1359.6	1359.6
2.5°	1352.7	1366.3	1354.2	1355.8	1358.8
5°	1348.0	1365.0	1349.0	1347.3	1356.7
7.5°	1337.6	1353.1	1336.4	1332.6	1341.1
10°	1326.8	1343.8	1324.9	1320.1	1324.9
12.5°	1307.5	1325.2	1310.2	1302.4	1306.3
15°	1281.4	1292.7	1281.4	1273.7	1273.7
17.5°	1249.5	1261.4	1240.1	1234.6	1232.5
20°	1226.4	1236.7	1213.8	1206.0	1203.2
22.5°	1195.5	1205.1	1186.0	1172.8	1169.2
25°	1153.0	1156.8	1138.5	1122.9	1118.2
27.5°	1110.3	1111.2	1086.2	1067.3	1061.0
30°	1074.8	1075.7	1046.8	1026.4	1021.6
32.5°	1039.2	1036.4	1008.9	984.7	981.5
35°	989.8	980.3	953.1	925.0	919.3
37.5°	930.1	924.4	892.3	864.1	855.6
40°	892.3	882.8	849.8	821.6	813.1
42.5°	854.4	843.4	809.6	778.3	769.0
45°	795.7	783.4	750.3	714.3	704.0
47.5°	736.6	723.2	686.8	651.9	640.4
50°	697.2	683.0	645.0	611.0	598.7
52.5°	657.0	642.1	604.1	569.3	559.3
55°	596.8	580.7	543.7	508.7	499.2
57.5°	536.5	520.6	483.8	450.7	439.4
60°	496.3	481.2	445.2	412.1	400.7
62.5°	455.4	441.0	405.8	373.5	362.9
65°	395.9	381.7	348.6	317.5	308.0
67.5°	337.0	324.9	292.2	263.6	256.1
70°	298.4	287.1	255.9	229.7	222.1
72.5°	261.3	249.2	219.6	197.3	192.0
75°	204.7	193.4	170.0	152.5	149.7
77.5°	153.0	143.7	123.4	113.5	112.0
80°	119.7	111.2	95.6	88.8	88.8
82.5°	88.8	81.9	71.7	68.8	68.8
85°	46.4	42.6	40.6	40.6	40.6
87.5°	13.9	13.9	13.1	12.6	12.4
90°	0.0	0.0	0.0	1.4	0.0
92.5°	22.0	8.4	7.0	8.4	8.1
95°	81.2	14.6	18.8	20.3	20.3
97.5°	163.5	160.4	22.0	26.4	26.7
100°	226.2	233.3	23.2	27.6	29.0
102.5°	295.8	301.7	42.9	28.7	30.2
105°	407.4	413.1	419.0	30.5	31.9
107.5°	518.5	522.7	526.6	474.0	177.5
110°	591.6	595.8	597.4	611.9	614.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	660.0	665.4	668.1	680.4	685.5
115°	764.1	769.8	771.3	783.0	787.3
117.5°	863.0	868.9	871.7	881.1	887.9
120°	927.9	935.0	936.6	948.4	954.0
122.5°	991.7	999.9	999.3	1009.9	1017.8
125°	1086.0	1093.0	1090.3	1102.1	1109.2
127.5°	1175.6	1179.8	1173.8	1188.2	1194.1
130°	1232.4	1236.7	1229.5	1242.7	1249.8
132.5°	1284.6	1291.1	1282.9	1294.9	1302.0
135°	1364.3	1371.4	1360.0	1370.3	1378.8
137.5°	1435.4	1443.9	1430.2	1442.2	1449.6
140°	1481.8	1490.3	1473.1	1486.3	1494.8
142.5°	1524.7	1535.5	1514.8	1526.9	1536.6
145°	1587.6	1597.5	1577.5	1587.8	1596.3
147.5°	1647.4	1655.9	1636.6	1644.0	1650.0
150°	1683.3	1691.8	1670.3	1677.7	1684.8
152.5°	1712.3	1724.2	1702.7	1707.9	1718.4
155°	1758.7	1772.9	1748.6	1753.2	1764.5
157.5°	1801.3	1814.1	1789.7	1793.7	1803.7
160°	1826.8	1839.6	1815.3	1816.9	1826.8
162.5°	1846.6	1858.2	1837.3	1834.4	1846.6
165°	1874.7	1884.6	1864.5	1859.0	1871.8
167.5°	1898.2	1909.5	1884.8	1880.2	1894.7
170°	1910.9	1922.3	1896.4	1889.5	1905.1
172.5°	1919.1	1929.3	1904.6	1895.3	1907.5
175°	1928.3	1938.3	1912.4	1902.4	1908.0
177.5°	1931.0	1938.9	1918.2	1909.2	1922.8
180°	1924.0	1924.0	1924.0	1924.0	1924.0



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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	15.24	15.98	16.31	17.05	18.50	14.16	14.91	15.23	15.97	17.43
	3H	16.90	17.56	17.97	18.64	20.11	15.57	16.23	16.64	17.31	18.78
	4H	17.52	18.15	18.61	19.23	20.71	16.08	16.71	17.17	17.79	19.27
	6H	17.90	18.48	19.00	19.56	21.05	16.39	16.97	17.49	18.05	19.54
	8H	18.04	18.59	19.14	19.69	21.17	16.51	17.06	17.61	18.16	19.64
	12H	18.10	18.62	19.20	19.72	21.22	16.58	17.11	17.69	18.20	19.71
4H	2H	15.63	16.26	16.73	17.34	18.82	14.78	15.41	15.87	16.49	17.96
	3H	17.51	18.04	18.61	19.14	20.63	16.38	16.91	17.48	18.02	19.51
	4H	18.26	18.74	19.36	19.83	21.35	16.99	17.47	18.09	18.56	20.08
	6H	18.75	19.17	19.87	20.28	21.79	17.39	17.80	18.50	18.92	20.43
	8H	18.94	19.33	20.05	20.44	21.96	17.56	17.94	18.67	19.06	20.58
	12H	19.03	19.38	20.16	20.51	22.03	17.66	18.01	18.79	19.13	20.66
8H	4H	18.38	18.76	19.49	19.87	21.39	17.24	17.62	18.35	18.73	20.25
	6H	18.99	19.31	20.13	20.46	21.98	17.76	18.08	18.90	19.23	20.75
	8H	19.27	19.54	20.41	20.68	22.21	18.01	18.29	19.15	19.42	20.96
	12H	19.42	19.67	20.57	20.80	22.37	18.18	18.43	19.33	19.56	21.13
12H	4H	18.34	18.69	19.47	19.82	21.34	17.23	17.58	18.36	18.71	20.23
	6H	19.01	19.29	20.15	20.42	21.96	17.82	18.10	18.96	19.23	20.77
	8H	19.30	19.55	20.45	20.68	22.25	18.09	18.34	19.24	19.47	21.04