

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: P1439550

Luminaire Tested: CB3-D-055U-085D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439550
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-055U-085D-935-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

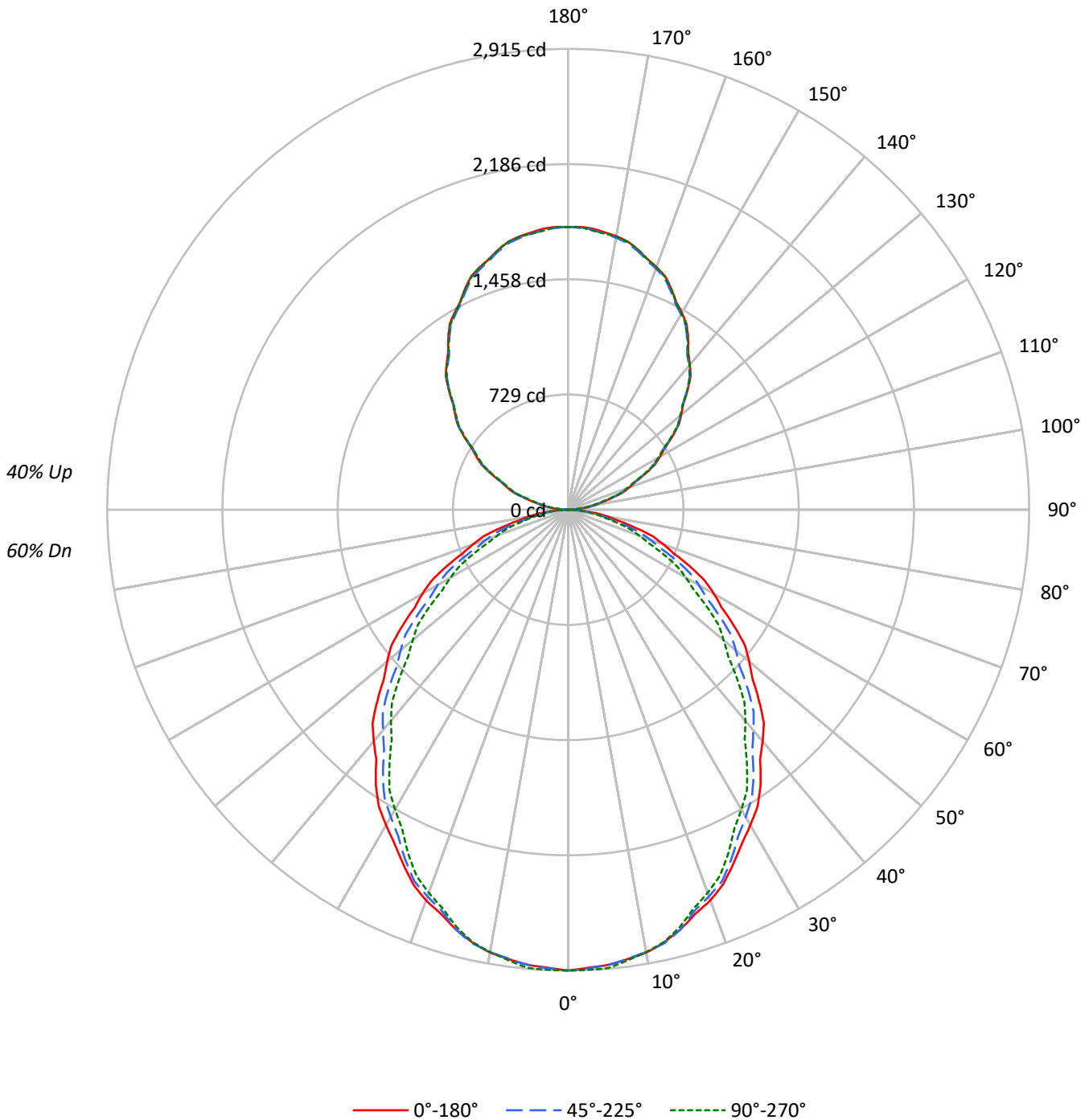
Lumens per Lamp: N/A
Luminaire Lumens: 11586.3 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 88.5
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				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	110	110	110	110	102	102	102	102	89	89	89	77	77	77	66	66	66	60
1	100	96	92	89	94	90	87	83	78	76	74	68	66	64	58	57	56	51
2	92	84	78	73	85	79	73	69	69	65	61	60	57	54	52	49	47	43
3	84	74	67	61	78	70	63	58	61	56	52	53	49	46	46	43	41	37
4	77	66	58	52	71	62	55	49	54	49	44	48	43	40	41	38	35	32
5	70	59	51	45	66	55	48	43	49	43	38	43	38	35	37	34	31	28
6	65	53	45	39	61	50	42	37	44	38	34	39	34	30	34	30	27	24
7	60	48	40	34	56	45	38	33	40	34	30	35	31	27	31	27	24	22
8	56	44	36	30	52	41	34	29	37	31	27	32	28	24	28	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	23	20	18
10	49	37	29	25	46	35	28	24	31	26	22	28	23	20	24	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16492	16492	16492
5°	16414	16425	16527
10°	16342	16318	16318
15°	16092	16092	15994
20°	15831	15669	15523
25°	15424	15230	14959
30°	15046	14654	14302
35°	14649	14106	13606
40°	14121	13449	12868
45°	13643	12864	12070
50°	13150	12167	11292
55°	12614	11492	10553
60°	12035	10794	9717
65°	11358	10001	8836
70°	10576	9071	7873
75°	9589	7961	7012
80°	8360	6675	6203
85°	6446	5641	5641

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13643 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.0	2.4
10°-20°	772.7	6.7
20°-30°	1122.3	9.7
30°-40°	1275.8	11.0
40°-50°	1238.5	10.7
50°-60°	1045.7	9.0
60°-70°	744.0	6.4
70°-80°	397.5	3.4
80°-90°	105.0	0.9
90°-100°	75.6	0.7
100°-110°	295.7	2.6
110°-120°	527.0	4.5
120°-130°	713.2	6.2
130°-140°	820.0	7.1
140°-150°	822.8	7.1
150°-160°	707.6	6.1
160°-170°	479.0	4.1
170°-180°	168.9	1.5
0°-30°	2170.1	18.7
0°-40°	3445.9	29.7
0°-60°	5730.1	49.5
0°-90°	6976.5	60.2
90°-120°	898.3	7.8
90°-150°	3254.3	28.1
90°-180°	4610.0	39.8
0°-180°	11586.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2915	2915	2915	2915	2915	
5°	2890	2927	2892	2889	2910	274
15°	2748	2772	2748	2731	2731	774
25°	2471	2479	2440	2406	2396	1139
35°	2121	2101	2042	1982	1970	1322
45°	1705	1679	1608	1531	1509	1315
55°	1279	1244	1165	1090	1070	1143
65°	848	818	747	680	660	840
75°	439	414	364	327	321	468
85°	99	91	87	87	87	118
90°	0	0	0	0	0	7
95°	73	66	59	55	56	83
105°	287	285	276	272	269	306
115°	538	540	528	527	525	533
125°	801	810	794	791	793	716
135°	1067	1078	1060	1052	1063	823
145°	1322	1333	1311	1304	1317	826
155°	1543	1556	1530	1524	1540	710
165°	1703	1718	1695	1686	1703	480
175°	1784	1800	1776	1765	1772	169
180°	1788	1788	1788	1788	1788	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2915.1	2915.1	2915.1	2915.1	2915.1
2.5°	2900.2	2929.3	2903.5	2907.0	2913.4
5°	2890.3	2926.7	2892.3	2888.7	2910.3
7.5°	2867.9	2901.1	2865.4	2857.2	2875.4
10°	2844.7	2881.2	2840.6	2830.5	2840.6
12.5°	2803.4	2841.4	2809.1	2792.4	2800.9
15°	2747.5	2771.8	2747.5	2730.9	2730.9
17.5°	2679.2	2704.7	2658.9	2647.2	2642.5
20°	2629.5	2651.8	2602.6	2585.9	2578.5
22.5°	2563.3	2583.9	2543.0	2513.6	2505.6
25°	2470.9	2479.0	2439.8	2406.5	2396.4
27.5°	2379.4	2381.4	2327.7	2287.2	2273.9
30°	2303.3	2305.3	2243.2	2199.6	2189.4
32.5°	2227.1	2221.0	2162.1	2110.2	2103.3
35°	2121.1	2100.9	2042.5	1982.2	1970.1
37.5°	1993.3	1981.1	1912.1	1851.7	1833.5
40°	1912.1	1891.9	1821.1	1760.7	1742.4
42.5°	1831.0	1807.5	1735.0	1667.9	1648.1
45°	1705.2	1678.9	1607.9	1530.9	1508.6
47.5°	1578.5	1549.8	1471.8	1397.1	1372.4
50°	1494.1	1463.8	1382.4	1309.3	1283.0
52.5°	1408.0	1376.1	1294.6	1220.1	1198.6
55°	1278.9	1244.5	1165.1	1090.1	1069.9
57.5°	1149.8	1115.8	1036.8	965.9	941.6
60°	1063.7	1031.3	954.0	883.1	858.8
62.5°	975.9	945.2	869.6	800.3	777.7
65°	848.5	818.1	747.1	680.4	660.1
67.5°	722.2	696.3	626.2	565.0	548.8
70°	639.4	615.2	548.4	492.2	476.0
72.5°	560.0	534.1	470.6	422.7	411.4
75°	438.7	414.4	364.2	326.8	320.8
77.5°	327.8	308.0	264.5	243.3	240.1
80°	256.6	238.4	204.9	190.4	190.4
82.5°	190.4	175.4	153.6	147.3	147.3
85°	99.3	91.2	86.9	86.9	86.9
87.5°	29.8	29.8	28.1	26.5	26.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	19.7	17.6	11.0	8.8	8.8
95°	72.7	66.0	59.0	54.9	56.2
97.5°	134.1	127.7	119.0	115.0	116.0
100°	176.9	171.6	161.8	157.7	157.7
102.5°	218.6	215.4	205.7	201.6	202.7
105°	286.6	285.3	275.7	271.5	268.8
107.5°	361.8	359.4	348.6	348.3	345.9
110°	410.1	408.7	399.1	397.7	396.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	459.4	461.3	450.7	449.3	447.9
115°	537.6	540.3	528.0	526.6	525.3
117.5°	617.7	621.5	608.4	606.9	604.5
120°	669.3	677.3	661.0	659.6	658.3
122.5°	721.9	728.9	713.7	711.2	711.0
125°	800.9	810.3	794.1	791.4	792.7
127.5°	879.9	889.6	874.4	869.0	872.0
130°	932.6	943.3	927.1	921.7	925.7
132.5°	986.3	997.1	980.9	975.5	981.7
135°	1067.0	1077.7	1060.1	1052.1	1062.9
137.5°	1145.7	1155.1	1135.8	1130.3	1141.6
140°	1197.3	1206.7	1186.3	1179.7	1193.2
142.5°	1247.7	1258.2	1235.7	1229.1	1243.6
145°	1322.1	1332.8	1311.1	1304.5	1316.6
147.5°	1393.4	1404.4	1382.4	1374.7	1387.1
150°	1437.3	1449.3	1426.3	1419.7	1433.2
152.5°	1480.1	1493.2	1469.1	1461.5	1478.1
155°	1542.9	1556.3	1530.5	1524.0	1540.1
157.5°	1599.4	1611.7	1588.4	1581.9	1595.8
160°	1633.4	1646.8	1622.4	1615.9	1632.0
162.5°	1663.0	1676.4	1654.2	1645.5	1661.6
165°	1703.3	1718.1	1695.1	1685.9	1703.3
167.5°	1737.1	1752.9	1728.6	1720.2	1737.6
170°	1756.8	1771.6	1747.2	1736.6	1754.1
172.5°	1770.0	1784.7	1760.4	1749.7	1761.8
175°	1784.2	1800.3	1776.0	1765.2	1771.9
177.5°	1790.6	1803.4	1784.0	1774.4	1789.5
180°	1788.4	1788.4	1788.4	1788.4	1788.4



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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	17.78	18.73	18.65	19.61	20.73	16.70	17.65	17.57	18.54	19.65
	3H	19.45	20.30	20.33	21.20	22.34	18.12	18.97	19.00	19.87	21.01
	4H	20.09	20.89	20.98	21.79	22.95	18.64	19.45	19.54	20.35	21.50
	6H	20.48	21.22	21.38	22.13	23.29	18.97	19.71	19.87	20.61	21.78
	8H	20.62	21.32	21.53	22.25	23.41	19.09	19.80	20.01	20.72	21.89
	12H	20.69	21.36	21.61	22.28	23.47	19.17	19.84	20.09	20.76	21.95
4H	2H	18.20	19.00	19.10	19.90	21.06	17.34	18.14	18.24	19.04	20.20
	3H	20.10	20.77	21.01	21.70	22.87	18.97	19.64	19.88	20.57	21.74
	4H	20.85	21.46	21.77	22.39	23.58	19.58	20.19	20.50	21.12	22.31
	6H	21.36	21.88	22.29	22.83	24.03	19.99	20.52	20.93	21.47	22.67
	8H	21.55	22.04	22.49	22.99	24.20	20.17	20.66	21.10	21.60	22.81
	12H	21.65	22.09	22.61	23.06	24.27	20.28	20.72	21.23	21.68	22.90
8H	4H	20.98	21.48	21.92	22.42	23.63	19.85	20.34	20.78	21.28	22.49
	6H	21.61	22.01	22.57	23.00	24.21	20.38	20.78	21.34	21.77	22.98
	8H	21.88	22.24	22.86	23.22	24.45	20.63	20.99	21.60	21.97	23.19
	12H	22.05	22.37	23.03	23.34	24.61	20.81	21.13	21.79	22.10	23.37
12H	4H	20.96	21.40	21.92	22.37	23.58	19.85	20.29	20.81	21.26	22.47
	6H	21.62	21.98	22.60	22.96	24.19	20.44	20.79	21.41	21.77	23.00
	8H	21.93	22.24	22.90	23.22	24.49	20.72	21.04	21.70	22.01	23.28