

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: P1439066

Luminaire Tested: CB2-D-085U-120D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439066
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-085U-120D-927-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

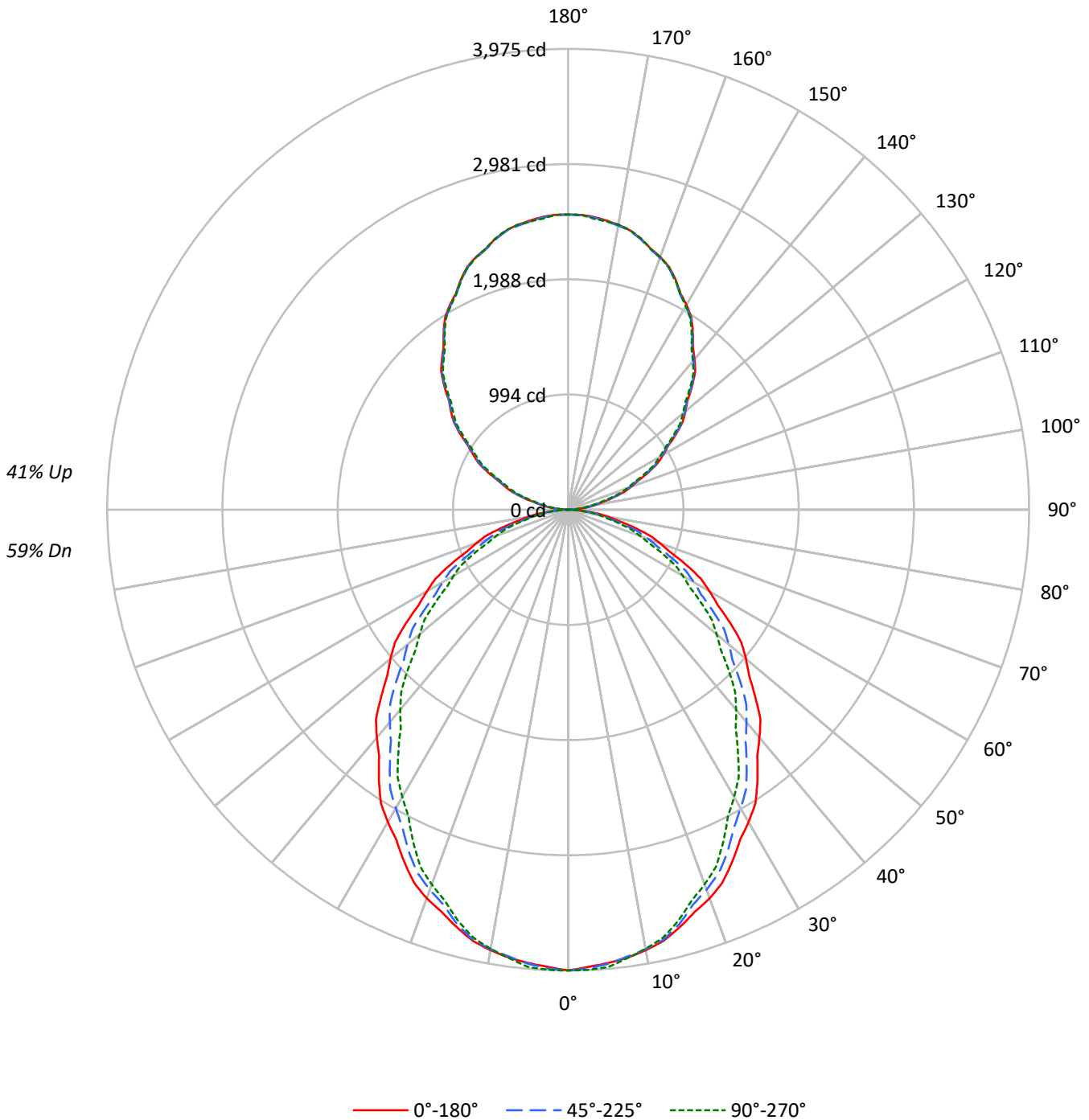
Lumens per Lamp: N/A
Luminaire Lumens: 15760.8 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 146
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	109	109	109	109	102	102	102	102	88	88	88	76	76	76	64	64	64	59
1	100	96	92	88	93	89	86	83	78	75	73	67	65	64	57	56	55	50
2	91	84	78	73	85	78	73	69	68	64	61	59	56	53	51	48	46	42
3	83	74	67	61	78	69	63	58	61	56	51	52	49	45	45	42	40	36
4	76	66	58	52	71	62	54	49	54	48	44	47	43	39	40	37	34	31
5	70	59	50	44	65	55	48	42	48	43	38	42	38	34	36	33	30	27
6	65	53	45	39	60	50	42	37	44	38	33	38	34	30	33	30	27	24
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	30	27	24	21
8	56	43	36	30	52	41	34	29	36	31	26	32	27	24	28	24	21	19
9	52	40	32	27	49	38	31	26	33	28	24	30	25	22	26	22	19	17
10	49	37	29	24	46	35	28	23	31	25	22	27	23	20	24	20	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34613	34613	34613
5°	34320	34373	34613
10°	34125	34044	34017
15°	33585	33365	33091
20°	33056	32323	31871
25°	32168	31261	30384
30°	31277	29899	28767
35°	30251	28505	27146
40°	29166	27194	25603
45°	28074	25825	24101
50°	27090	24491	22636
55°	25877	23104	21255
60°	24489	21786	19878
65°	23015	20318	18500
70°	21388	18674	16739
75°	19455	16898	15155
80°	17397	14805	13736
85°	13379	12160	10032

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 28074 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.8	2.4
10°-20°	1041.9	6.6
20°-30°	1498.1	9.5
30°-40°	1683.8	10.7
40°-50°	1626.6	10.3
50°-60°	1374.3	8.7
60°-70°	987.1	6.3
70°-80°	539.5	3.4
80°-90°	143.4	0.9
90°-100°	98.4	0.6
100°-110°	405.6	2.6
110°-120°	736.3	4.7
120°-130°	1001.9	6.4
130°-140°	1156.6	7.3
140°-150°	1165.5	7.4
150°-160°	1005.8	6.4
160°-170°	681.7	4.3
170°-180°	240.5	1.5
0°-30°	2913.7	18.5
0°-40°	4597.5	29.2
0°-60°	7598.4	48.2
0°-90°	9268.5	58.8
90°-120°	1240.2	7.9
90°-150°	4564.3	29.0
90°-180°	6492.0	41.2
0°-180°	15760.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3975	3975	3975	3975	3975	
5°	3926	3980	3932	3933	3959	373
15°	3725	3758	3701	3664	3670	1050
25°	3348	3351	3253	3180	3162	1541
35°	2846	2813	2681	2577	2553	1778
45°	2280	2232	2097	1987	1957	1761
55°	1704	1642	1522	1427	1400	1524
65°	1117	1075	986	916	898	1108
75°	578	542	502	462	450	619
85°	134	125	122	106	100	159
90°	0	0	2	0	2	9
95°	95	84	79	62	62	111
105°	401	395	385	363	359	426
115°	762	761	747	725	723	752
125°	1134	1146	1122	1098	1100	1012
135°	1511	1529	1503	1476	1485	1164
145°	1872	1894	1865	1843	1857	1170
155°	2190	2212	2180	2167	2184	1007
165°	2421	2446	2415	2401	2423	682
175°	2536	2563	2530	2514	2520	241
180°	2546	2546	2546	2546	2546	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3974.6	3974.6	3974.6	3974.6	3974.6
2.5°	3947.8	3995.4	3960.0	3965.0	3972.2
5°	3925.9	3979.5	3932.0	3932.6	3959.4
7.5°	3897.9	3948.5	3888.8	3877.8	3902.8
10°	3859.0	3909.5	3849.8	3828.9	3846.8
12.5°	3807.8	3856.0	3798.7	3765.6	3781.1
15°	3725.1	3757.8	3700.7	3664.3	3670.3
17.5°	3635.0	3655.2	3572.9	3542.3	3536.4
20°	3566.8	3584.7	3487.7	3444.9	3439.0
22.5°	3479.2	3494.6	3392.7	3340.2	3331.9
25°	3347.7	3350.7	3253.3	3179.9	3162.0
27.5°	3210.1	3200.6	3092.6	3005.7	2982.5
30°	3110.3	3098.4	2973.3	2881.6	2860.7
32.5°	3003.2	2981.7	2856.5	2757.4	2736.6
35°	2845.5	2812.8	2681.2	2577.2	2553.4
37.5°	2677.5	2640.6	2511.4	2398.2	2371.4
40°	2565.5	2523.9	2392.1	2278.9	2252.1
42.5°	2453.5	2407.1	2272.8	2159.5	2130.3
45°	2279.5	2231.9	2096.9	1986.6	1956.9
47.5°	2113.9	2053.2	1922.2	1812.5	1782.8
50°	1999.5	1934.0	1807.7	1700.6	1670.8
52.5°	1882.6	1814.8	1693.3	1591.0	1561.2
55°	1704.3	1641.8	1521.7	1426.7	1399.9
57.5°	1527.8	1467.6	1357.9	1267.3	1241.1
60°	1406.0	1355.4	1250.8	1165.1	1141.3
62.5°	1289.2	1243.3	1143.7	1065.2	1041.4
65°	1116.9	1075.2	986.0	915.6	897.8
67.5°	949.5	907.9	835.7	772.5	752.3
70°	840.0	798.3	733.4	675.2	657.4
72.5°	735.3	691.2	638.5	585.2	572.1
75°	578.2	542.5	502.2	462.3	450.4
77.5°	439.5	404.9	375.5	347.5	344.5
80°	346.9	317.2	295.2	276.9	273.9
82.5°	259.3	236.7	222.2	208.8	208.2
85°	133.9	125.0	121.7	106.4	100.4
87.5°	39.0	39.0	34.5	29.2	29.6
90°	0.0	0.0	2.0	0.0	2.0
92.5°	23.8	20.7	19.5	12.8	14.7
95°	95.3	83.7	79.4	61.6	61.6
97.5°	179.9	168.3	162.0	143.7	139.8
100°	240.3	228.6	222.4	202.5	198.6
102.5°	302.2	296.8	285.9	264.4	260.5
105°	401.1	395.3	385.2	363.3	359.4
107.5°	502.8	503.9	488.9	470.9	465.4
110°	575.9	573.9	562.0	544.0	540.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	650.5	647.0	635.0	617.1	613.2
115°	762.5	760.6	746.6	724.7	722.8
117.5°	868.9	875.2	858.6	835.6	834.8
120°	945.2	953.0	933.3	913.3	909.5
122.5°	1019.9	1029.2	1009.5	986.5	987.3
125°	1133.8	1145.5	1121.9	1098.1	1100.1
127.5°	1243.8	1258.2	1236.3	1212.1	1214.5
130°	1318.5	1336.0	1312.6	1286.8	1290.7
132.5°	1394.8	1412.2	1388.8	1361.6	1368.5
135°	1511.1	1528.6	1503.2	1475.6	1485.3
137.5°	1620.7	1638.2	1610.4	1587.2	1598.9
140°	1693.8	1711.3	1681.9	1660.3	1672.0
142.5°	1765.3	1785.9	1755.0	1731.9	1746.6
145°	1872.5	1893.9	1864.6	1843.0	1856.6
147.5°	1974.2	1995.5	1965.8	1945.1	1959.1
150°	2039.3	2060.7	2029.4	2011.9	2027.4
152.5°	2099.7	2124.1	2091.3	2073.9	2094.1
155°	2190.2	2211.6	2180.3	2166.8	2184.3
157.5°	2268.9	2293.7	2262.5	2250.9	2264.9
160°	2321.3	2344.6	2313.3	2301.8	2317.3
162.5°	2361.0	2385.9	2356.2	2343.2	2361.8
165°	2420.6	2445.8	2414.6	2401.2	2422.6
167.5°	2467.4	2494.2	2462.7	2448.9	2470.6
170°	2496.0	2521.3	2488.1	2472.7	2496.0
172.5°	2515.1	2541.9	2507.2	2491.6	2507.2
175°	2535.7	2562.9	2529.8	2514.0	2519.9
177.5°	2545.7	2567.4	2540.9	2527.0	2545.7
180°	2545.7	2545.7	2545.7	2545.7	2545.7



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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	20.09	21.02	20.97	21.92	23.06	18.99	19.93	19.87	20.82	21.97
	3H	21.74	22.58	22.64	23.49	24.65	20.53	21.36	21.42	22.27	23.44
	4H	22.37	23.16	23.28	24.08	25.25	21.10	21.89	22.01	22.81	23.98
	6H	22.78	23.51	23.70	24.43	25.62	21.48	22.21	22.40	23.13	24.32
	8H	22.93	23.62	23.86	24.56	25.75	21.62	22.31	22.55	23.25	24.44
	12H	23.01	23.67	23.94	24.60	25.81	21.69	22.34	22.62	23.28	24.49
4H	2H	20.51	21.30	21.42	22.21	23.39	19.64	20.43	20.55	21.34	22.52
	3H	22.39	23.04	23.31	23.99	25.18	21.38	22.04	22.30	22.98	24.17
	4H	23.13	23.74	24.07	24.68	25.89	22.05	22.65	22.99	23.59	24.81
	6H	23.66	24.18	24.61	25.14	26.36	22.53	23.05	23.48	24.01	25.23
	8H	23.87	24.35	24.82	25.31	26.54	22.72	23.21	23.67	24.17	25.40
	12H	23.97	24.41	24.94	25.39	26.62	22.82	23.25	23.79	24.23	25.46
8H	4H	23.30	23.78	24.25	24.74	25.97	22.33	22.82	23.28	23.77	25.00
	6H	23.94	24.34	24.92	25.34	26.57	22.94	23.34	23.92	24.34	25.57
	8H	24.23	24.59	25.22	25.58	26.82	23.22	23.57	24.20	24.56	25.81
	12H	24.41	24.72	25.40	25.70	27.00	23.37	23.68	24.36	24.66	25.96
12H	4H	23.28	23.72	24.25	24.69	25.93	22.34	22.78	23.31	23.75	24.99
	6H	23.97	24.32	24.96	25.31	26.56	23.00	23.36	23.99	24.35	25.59
	8H	24.29	24.60	25.28	25.58	26.88	23.31	23.62	24.30	24.61	25.90