

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: P1439266

Luminaire Tested: CB3-085U-120D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439266
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: CB3-085U-120D-927-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

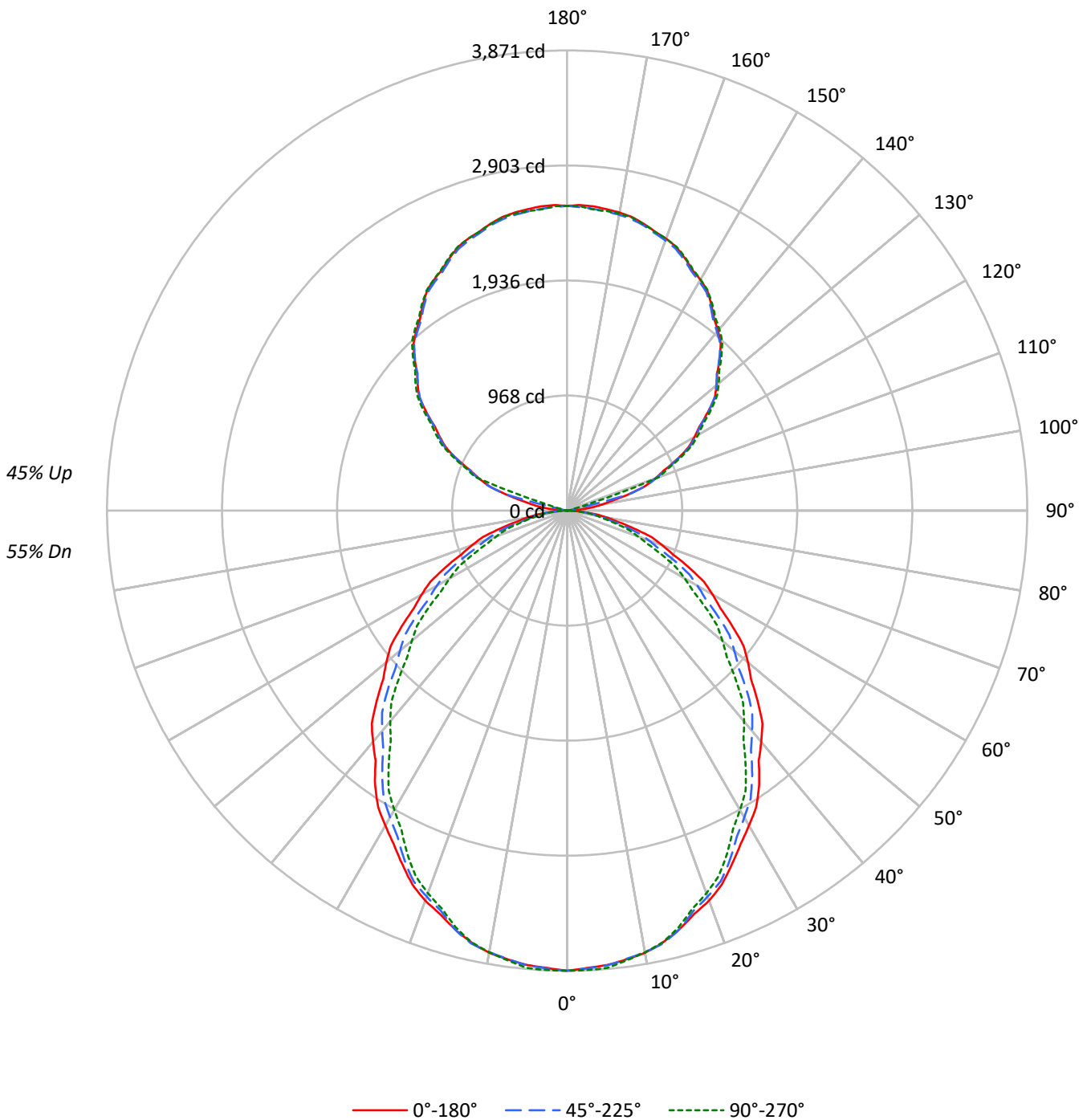
Lumens per Lamp: N/A
Luminaire Lumens: 16831.1 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 133.1
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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	99	95	91	88	92	88	85	82	76	73	71	65	63	61	54	53	52	47
2	90	83	77	72	84	77	72	68	67	63	59	57	54	51	48	46	44	40
3	83	73	66	60	76	68	62	57	59	54	50	50	47	44	43	40	38	34
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	33	29
5	70	58	50	44	64	54	47	42	47	41	37	41	36	33	34	31	28	25
6	64	52	44	38	59	49	42	36	43	37	32	37	32	29	31	28	25	22
7	59	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	22	20
8	55	43	35	30	51	40	33	28	35	30	26	31	26	23	26	23	20	18
9	51	39	32	27	48	37	30	25	32	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21899	21899	21899
5°	21796	21811	21936
10°	21700	21668	21668
15°	21368	21368	21239
20°	21021	20805	20623
25°	20490	20233	19873
30°	19989	19468	19001
35°	19462	18740	18076
40°	18760	17867	17096
45°	18125	17091	16035
50°	17470	16163	15002
55°	16759	15266	14020
60°	15989	14340	12910
65°	15089	13286	11740
70°	14051	12052	10459
75°	12739	10577	9314
80°	11106	8868	8239
85°	8568	7497	7497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18125 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.2	2.2
10°-20°	1026.1	6.1
20°-30°	1490.8	8.9
30°-40°	1694.9	10.1
40°-50°	1645.4	9.8
50°-60°	1389.2	8.3
60°-70°	988.4	5.9
70°-80°	528.1	3.1
80°-90°	139.6	0.8
90°-100°	59.2	0.4
100°-110°	428.6	2.5
110°-120°	1019.0	6.1
120°-130°	1301.8	7.7
130°-140°	1404.2	8.3
140°-150°	1323.8	7.9
150°-160°	1079.9	6.4
160°-170°	703.6	4.2
170°-180°	243.2	1.4
0°-30°	2882.1	17.1
0°-40°	4577.1	27.2
0°-60°	7611.7	45.2
0°-90°	9267.7	55.1
90°-120°	1506.8	9.0
90°-150°	5536.6	32.9
90°-180°	7563.0	44.9
0°-180°	16831.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3871	3871	3871	3871	3871	
5°	3838	3886	3841	3836	3863	364
15°	3648	3680	3648	3626	3626	1028
25°	3283	3293	3241	3197	3184	1512
35°	2818	2791	2714	2633	2617	1756
45°	2265	2230	2136	2034	2004	1747
55°	1699	1653	1548	1448	1421	1519
65°	1127	1087	992	904	877	1116
75°	583	551	484	434	426	621
85°	132	121	116	116	116	156
90°	0	0	0	2	0	9
95°	108	19	25	27	27	134
105°	543	550	558	41	42	572
115°	1018	1025	1027	1043	1049	1004
125°	1446	1456	1452	1468	1477	1291
135°	1817	1827	1812	1825	1837	1400
145°	2115	2128	2101	2115	2126	1323
155°	2343	2362	2329	2335	2350	1080
165°	2497	2510	2484	2476	2493	705
175°	2569	2582	2547	2534	2542	244
180°	2563	2563	2563	2563	2563	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3871.0	3871.0	3871.0	3871.0	3871.0
2.5°	3851.2	3889.9	3855.6	3860.2	3868.8
5°	3838.0	3886.4	3840.7	3835.9	3862.7
7.5°	3808.3	3852.4	3805.0	3794.0	3818.2
10°	3777.5	3825.9	3772.0	3758.6	3772.0
12.5°	3722.5	3773.1	3730.2	3707.9	3719.2
15°	3648.3	3680.5	3648.3	3626.3	3626.3
17.5°	3557.6	3591.4	3530.6	3515.1	3509.2
20°	3491.6	3521.2	3455.8	3433.7	3425.6
22.5°	3403.6	3431.0	3376.7	3339.0	3328.8
25°	3282.6	3293.4	3241.4	3197.1	3183.7
27.5°	3161.1	3163.8	3092.4	3038.6	3020.9
30°	3059.9	3062.6	2980.2	2922.2	2908.7
32.5°	2958.8	2950.7	2872.4	2803.5	2794.4
35°	2818.0	2791.1	2713.5	2633.4	2617.3
37.5°	2648.1	2632.0	2540.3	2460.1	2435.9
40°	2540.3	2513.5	2419.4	2339.1	2314.9
42.5°	2432.6	2401.4	2305.0	2215.9	2189.5
45°	2265.4	2230.5	2136.2	2033.8	2004.2
47.5°	2097.1	2059.0	1955.3	1856.1	1823.3
50°	1985.0	1944.7	1836.5	1739.5	1704.6
52.5°	1870.6	1828.1	1719.9	1620.9	1592.4
55°	1699.1	1653.4	1547.8	1448.3	1421.4
57.5°	1527.5	1482.3	1377.4	1283.2	1250.9
60°	1413.1	1370.1	1267.4	1173.2	1141.0
62.5°	1296.6	1255.7	1155.2	1063.3	1033.2
65°	1127.2	1086.9	992.5	903.9	877.0
67.5°	959.5	925.1	831.9	750.6	729.1
70°	849.5	817.3	728.6	653.8	632.3
72.5°	744.0	709.5	625.2	561.6	546.6
75°	582.8	550.6	483.9	434.2	426.1
77.5°	435.5	409.1	351.4	323.2	318.9
80°	340.9	316.7	272.2	252.9	252.9
82.5°	252.9	233.0	204.0	195.7	195.7
85°	132.0	121.2	115.5	115.5	115.5
87.5°	39.6	39.6	37.4	35.6	35.2
90°	0.0	0.0	0.0	1.9	0.0
92.5°	29.4	11.2	9.3	11.2	10.8
95°	108.2	19.4	25.1	27.0	27.0
97.5°	217.8	213.7	29.4	35.2	35.5
100°	301.3	310.7	30.9	36.7	38.6
102.5°	394.0	401.9	57.2	38.3	40.2
105°	542.7	550.2	558.1	40.6	42.5
107.5°	690.6	696.3	701.4	631.4	236.4
110°	788.0	793.6	795.7	815.1	818.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	879.1	886.3	889.9	906.3	913.1
115°	1017.8	1025.3	1027.4	1043.0	1048.7
117.5°	1149.5	1157.4	1161.1	1173.7	1182.7
120°	1236.0	1245.5	1247.6	1263.2	1270.8
122.5°	1321.0	1331.9	1331.0	1345.2	1355.8
125°	1446.5	1456.0	1452.3	1468.0	1477.4
127.5°	1565.9	1571.5	1563.6	1582.7	1590.6
130°	1641.6	1647.3	1637.7	1655.3	1664.8
132.5°	1711.1	1719.8	1708.8	1724.8	1734.3
135°	1817.3	1826.8	1811.5	1825.3	1836.6
137.5°	1912.0	1923.3	1905.0	1921.1	1930.9
140°	1973.8	1985.1	1962.2	1979.8	1991.2
142.5°	2030.9	2045.3	2017.8	2033.9	2046.8
145°	2114.8	2128.0	2101.2	2115.0	2126.3
147.5°	2194.3	2205.7	2180.0	2189.9	2197.8
150°	2242.2	2253.5	2224.8	2234.7	2244.1
152.5°	2280.8	2296.7	2268.1	2275.0	2289.0
155°	2342.6	2361.5	2329.1	2335.3	2350.4
157.5°	2399.4	2416.4	2384.0	2389.3	2402.5
160°	2433.4	2450.4	2418.0	2420.2	2433.4
162.5°	2459.7	2475.2	2447.3	2443.4	2459.7
165°	2497.1	2510.4	2483.6	2476.3	2493.3
167.5°	2528.4	2543.5	2510.7	2504.5	2523.8
170°	2545.4	2560.5	2526.1	2516.9	2537.7
172.5°	2556.2	2569.8	2536.9	2524.6	2540.8
175°	2568.6	2581.8	2547.4	2534.0	2541.6
177.5°	2572.1	2582.7	2555.1	2543.1	2561.3
180°	2562.8	2562.8	2562.8	2562.8	2562.8



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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	18.33	19.23	19.24	20.16	21.36	17.25	18.15	18.17	19.08	20.28
	3H	20.00	20.80	20.92	21.74	22.97	18.67	19.47	19.59	20.41	21.63
	4H	20.63	21.39	21.57	22.34	23.57	19.19	19.95	20.13	20.89	22.12
	6H	21.02	21.72	21.97	22.67	23.91	19.51	20.21	20.46	21.16	22.40
	8H	21.16	21.82	22.12	22.79	24.03	19.63	20.30	20.59	21.26	22.51
	12H	21.22	21.86	22.19	22.82	24.09	19.71	20.34	20.67	21.30	22.57
4H	2H	18.74	19.50	19.69	20.45	21.68	17.88	18.64	18.83	19.59	20.82
	3H	20.63	21.27	21.59	22.24	23.49	19.50	20.14	20.46	21.11	22.36
	4H	21.38	21.96	22.35	22.93	24.20	20.11	20.69	21.08	21.66	22.93
	6H	21.89	22.39	22.87	23.38	24.65	20.53	21.02	21.51	22.02	23.29
	8H	22.08	22.55	23.06	23.53	24.82	20.70	21.16	21.68	22.15	23.43
	12H	22.18	22.60	23.18	23.60	24.89	20.81	21.22	21.80	22.23	23.52
8H	4H	21.52	21.98	22.50	22.97	24.25	20.38	20.84	21.36	21.83	23.11
	6H	22.14	22.52	23.14	23.55	24.83	20.91	21.29	21.91	22.32	23.60
	8H	22.41	22.75	23.43	23.77	25.07	21.16	21.50	22.17	22.52	23.82
	12H	22.58	22.88	23.60	23.89	25.23	21.34	21.64	22.36	22.65	23.99
12H	4H	21.49	21.91	22.49	22.91	24.20	20.38	20.80	21.38	21.80	23.09
	6H	22.15	22.49	23.17	23.51	24.81	20.96	21.30	21.98	22.32	23.62
	8H	22.46	22.75	23.47	23.76	25.11	21.25	21.55	22.27	22.56	23.90