

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: P1439220

Luminaire Tested: CB3-085U-030D-835-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439220
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-030D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

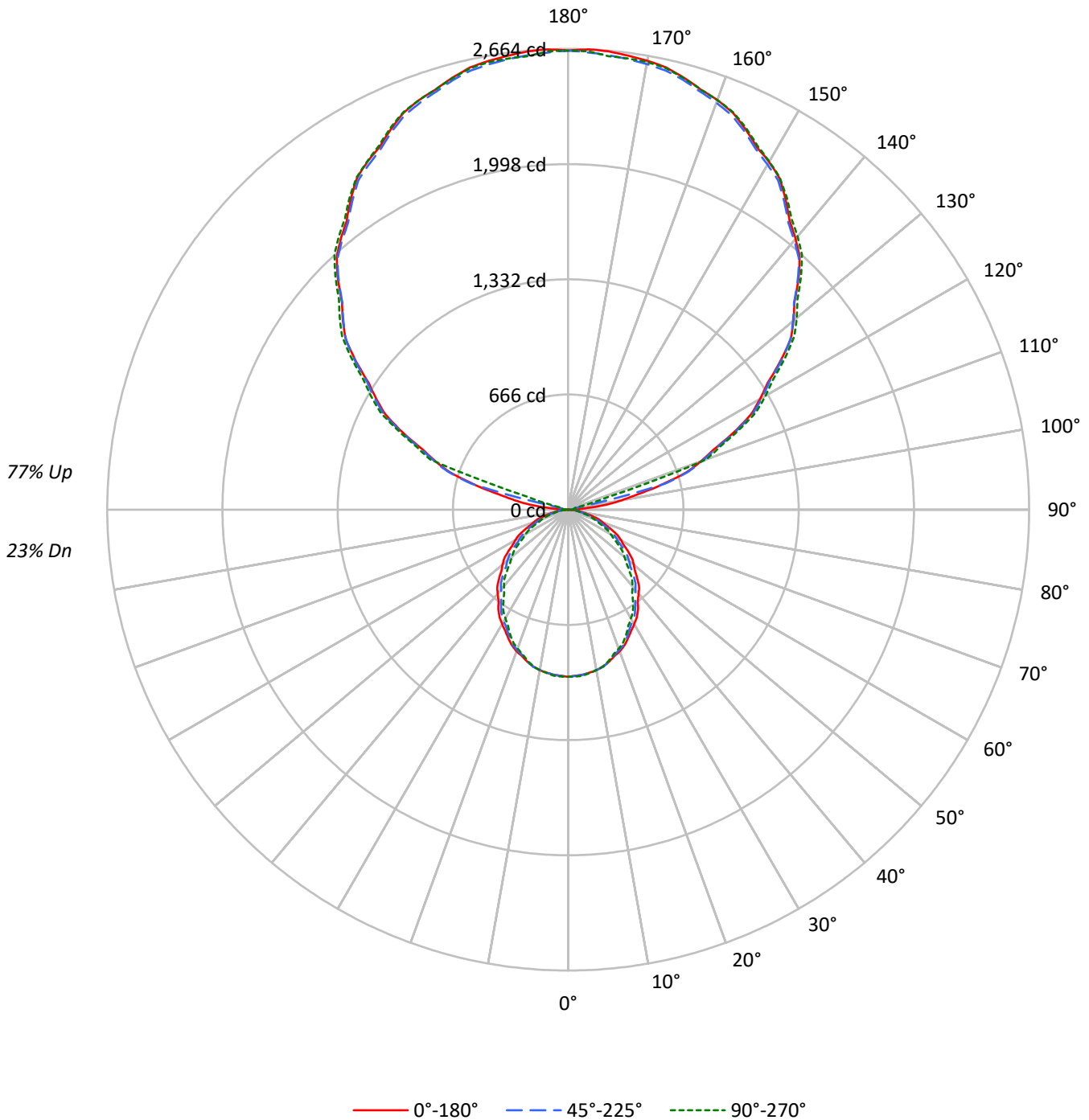
Lumens per Lamp: N/A
Luminaire Lumens: 10144.7 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 73
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	101	101	101	101	89	89	89	89	68	68	68	49	49	49	31	31	31	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	26	19
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	24	23	22	16
3	76	67	60	55	67	60	54	49	46	42	39	33	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	41	36	37	32	28	27	24	21	17	16	14	10
6	59	47	40	34	52	42	36	31	33	28	25	24	21	19	16	14	13	9
7	54	42	35	30	48	38	32	27	30	25	22	22	19	16	14	13	11	8
8	50	38	31	26	44	34	28	24	27	22	19	20	17	15	13	11	10	7
9	47	35	28	23	41	31	25	21	25	20	17	18	15	13	12	10	9	7
10	43	32	25	20	38	29	23	19	23	18	15	17	14	12	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5463	5463	5463
5°	5438	5442	5473
10°	5414	5406	5406
15°	5331	5331	5299
20°	5244	5191	5145
25°	5112	5048	4958
30°	4987	4857	4741
35°	4855	4676	4510
40°	4681	4458	4265
45°	4522	4264	4000
50°	4358	4033	3742
55°	4181	3809	3497
60°	3988	3578	3220
65°	3764	3314	2929
70°	3505	3007	2610
75°	3178	2638	2324
80°	2769	2212	2056
85°	2136	1869	1869

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4522 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	0.9
10°-20°	256.0	2.5
20°-30°	371.9	3.7
30°-40°	422.9	4.2
40°-50°	410.5	4.0
50°-60°	346.6	3.4
60°-70°	246.6	2.4
70°-80°	131.7	1.3
80°-90°	34.9	0.3
90°-100°	61.3	0.6
100°-110°	443.8	4.4
110°-120°	1055.3	10.4
120°-130°	1348.2	13.3
130°-140°	1454.2	14.3
140°-150°	1370.9	13.5
150°-160°	1118.3	11.0
160°-170°	728.7	7.2
170°-180°	251.9	2.5
0°-30°	719.0	7.1
0°-40°	1141.9	11.3
0°-60°	1899.0	18.7
0°-90°	2312.2	22.8
90°-120°	1560.4	15.4
90°-150°	5733.7	56.5
90°-180°	7833.0	77.2
0°-180°	10144.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	966	966	966	966	966	
5°	958	970	958	957	964	91
15°	910	918	910	905	905	256
25°	819	822	809	798	794	377
35°	703	696	677	657	653	438
45°	565	556	533	507	500	436
55°	424	412	386	361	355	379
65°	281	271	248	226	219	279
75°	145	137	121	108	106	155
85°	33	30	29	29	29	39
90°	0	0	0	2	0	6
95°	112	20	26	28	28	138
105°	562	570	578	42	44	593
115°	1054	1062	1064	1080	1086	1040
125°	1498	1508	1504	1520	1530	1337
135°	1882	1892	1876	1890	1902	1449
145°	2190	2204	2176	2190	2202	1370
155°	2426	2446	2412	2418	2434	1119
165°	2586	2600	2572	2564	2582	730
175°	2660	2674	2638	2624	2632	253
180°	2654	2654	2654	2654	2654	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	965.7	965.7	965.7	965.7	965.7
2.5°	960.8	970.4	961.9	963.0	965.2
5°	957.5	969.6	958.2	957.0	963.7
7.5°	950.1	961.1	949.3	946.5	952.6
10°	942.4	954.5	941.0	937.7	941.0
12.5°	928.7	941.3	930.6	925.0	927.9
15°	910.2	918.2	910.2	904.7	904.7
17.5°	887.5	896.0	880.8	876.9	875.5
20°	871.1	878.5	862.2	856.6	854.6
22.5°	849.1	856.0	842.4	833.0	830.5
25°	818.9	821.6	808.7	797.6	794.3
27.5°	788.6	789.3	771.5	758.1	753.7
30°	763.4	764.1	743.5	729.0	725.7
32.5°	738.2	736.1	716.6	699.4	697.1
35°	703.0	696.3	677.0	657.0	653.0
37.5°	660.6	656.6	633.8	613.7	607.7
40°	633.8	627.1	603.6	583.6	577.5
42.5°	606.9	599.1	575.0	552.8	546.2
45°	565.2	556.5	532.9	507.4	500.0
47.5°	523.2	513.7	487.8	463.1	454.9
50°	495.2	485.2	458.2	434.0	425.2
52.5°	466.7	456.1	429.1	404.4	397.3
55°	423.9	412.5	386.2	361.3	354.6
57.5°	381.1	369.8	343.6	320.1	312.1
60°	352.5	341.8	316.2	292.7	284.6
62.5°	323.5	313.3	288.2	265.3	257.8
65°	281.2	271.2	247.6	225.5	218.8
67.5°	239.4	230.8	207.5	187.3	181.9
70°	211.9	203.9	181.8	163.1	157.8
72.5°	185.6	177.0	156.0	140.1	136.4
75°	145.4	137.4	120.7	108.3	106.3
77.5°	108.6	102.1	87.7	80.6	79.6
80°	85.0	79.0	67.9	63.1	63.1
82.5°	63.1	58.1	50.9	48.8	48.8
85°	32.9	30.2	28.8	28.8	28.8
87.5°	9.9	9.9	9.3	9.2	8.8
90°	0.0	0.0	0.0	2.0	0.0
92.5°	30.4	11.6	9.6	11.6	11.2
95°	112.0	20.1	26.0	28.0	28.0
97.5°	225.6	221.3	30.4	36.4	36.8
100°	312.0	321.8	32.0	38.0	40.0
102.5°	408.0	416.2	59.2	39.6	41.6
105°	562.0	569.8	578.0	42.0	44.0
107.5°	715.2	721.1	726.4	653.9	244.8
110°	816.0	821.9	824.0	844.1	848.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	910.4	917.8	921.6	938.6	945.6
115°	1054.0	1061.8	1064.0	1080.1	1086.0
117.5°	1190.4	1198.6	1202.4	1215.4	1224.8
120°	1280.0	1289.8	1292.0	1308.2	1316.0
122.5°	1368.0	1379.3	1378.4	1393.0	1404.0
125°	1498.0	1507.8	1504.0	1520.2	1530.0
127.5°	1621.6	1627.5	1619.2	1639.0	1647.2
130°	1700.0	1705.9	1696.0	1714.2	1724.0
132.5°	1772.0	1781.0	1769.6	1786.2	1796.0
135°	1882.0	1891.8	1876.0	1890.3	1902.0
137.5°	1980.0	1991.7	1972.8	1989.4	1999.6
140°	2044.0	2055.7	2032.0	2050.3	2062.0
142.5°	2103.2	2118.1	2089.6	2106.3	2119.6
145°	2190.0	2203.7	2176.0	2190.3	2202.0
147.5°	2272.4	2284.1	2257.6	2267.8	2276.0
150°	2322.0	2333.7	2304.0	2314.2	2324.0
152.5°	2362.0	2378.4	2348.8	2355.9	2370.4
155°	2426.0	2445.6	2412.0	2418.4	2434.0
157.5°	2484.8	2502.4	2468.8	2474.3	2488.0
160°	2520.0	2537.6	2504.0	2506.3	2520.0
162.5°	2547.2	2563.2	2534.4	2530.4	2547.2
165°	2586.0	2599.7	2572.0	2564.4	2582.0
167.5°	2618.4	2634.0	2600.0	2593.7	2613.6
170°	2636.0	2651.6	2616.0	2606.5	2628.0
172.5°	2647.2	2661.3	2627.2	2614.4	2631.2
175°	2660.0	2673.7	2638.0	2624.2	2632.0
177.5°	2663.6	2674.6	2646.0	2633.6	2652.4
180°	2654.0	2654.0	2654.0	2654.0	2654.0



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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	9.73	10.39	10.89	11.53	13.15	8.65	9.31	9.81	10.45	12.07
	3H	11.38	11.97	12.55	13.12	14.75	10.05	10.64	11.22	11.79	13.42
	4H	12.00	12.56	13.18	13.71	15.35	10.56	11.12	11.73	12.27	13.90
	6H	12.38	12.89	13.56	14.05	15.69	10.86	11.38	12.05	12.53	14.18
	8H	12.51	12.99	13.69	14.17	15.80	10.98	11.47	12.17	12.64	14.28
	12H	12.57	13.03	13.76	14.20	15.85	11.05	11.51	12.24	12.68	14.34
4H	2H	10.11	10.67	11.30	11.83	13.46	9.25	9.81	10.44	10.97	12.60
	3H	11.98	12.45	13.17	13.63	15.27	10.85	11.32	12.04	12.50	14.14
	4H	12.72	13.15	13.91	14.32	15.98	11.45	11.88	12.64	13.05	14.71
	6H	13.21	13.58	14.41	14.77	16.42	11.85	12.22	13.05	13.41	15.06
	8H	13.40	13.74	14.59	14.92	16.59	12.02	12.36	13.21	13.54	15.21
	12H	13.49	13.80	14.70	14.99	16.66	12.11	12.42	13.32	13.62	15.29
8H	4H	12.84	13.18	14.03	14.36	16.03	11.70	12.04	12.89	13.22	14.89
	6H	13.45	13.73	14.66	14.95	16.62	12.22	12.50	13.43	13.72	15.39
	8H	13.72	13.97	14.94	15.17	16.85	12.47	12.71	13.69	13.91	15.60
	12H	13.88	14.09	15.10	15.29	17.01	12.63	12.85	13.86	14.05	15.77
12H	4H	12.80	13.11	14.01	14.30	15.98	11.69	12.00	12.90	13.19	14.87
	6H	13.46	13.71	14.68	14.91	16.59	12.27	12.52	13.49	13.72	15.41
	8H	13.75	13.97	14.97	15.17	16.88	12.55	12.76	13.77	13.96	15.68