

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: P1439262

Luminaire Tested: CB3-085U-120D-835-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439262  
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-835-1D-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: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

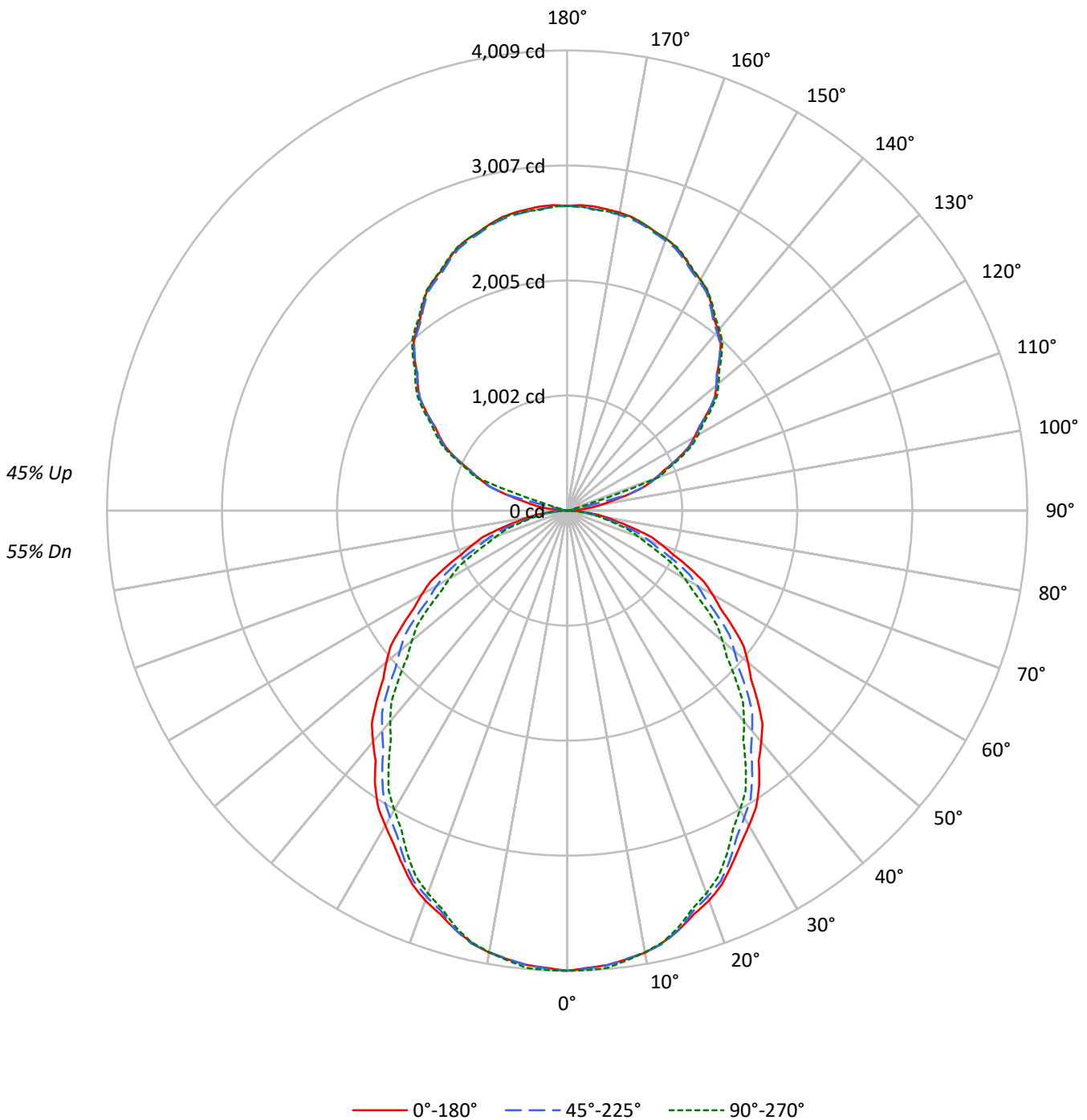
Lumens per Lamp: N/A  
Luminaire Lumens: 17430.0 lumens  
Efficiency: N/A  
Efficacy: 131.0 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 133.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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										
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	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°	22678	22678	22678
5°	22571	22587	22717
10°	22472	22439	22439
15°	22128	22128	21994
20°	21768	21546	21357
25°	21219	20953	20580
30°	20700	20161	19677
35°	20155	19407	18719
40°	19428	18503	17704
45°	18769	17699	16605
50°	18092	16739	15536
55°	17354	15810	14519
60°	16558	14850	13368
65°	15626	13758	12157
70°	14553	12480	10831
75°	13194	10953	9646
80°	11500	9184	8532
85°	8873	7763	7763

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 18769 cd/sqm



TEST NUMBER: P1439262

CATALOG NUMBER: CB3-085U-120D-835-1D-UNV-STD-W-8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	378.2	2.2
10°-20°	1062.6	6.1
20°-30°	1543.8	8.9
30°-40°	1755.3	10.1
40°-50°	1704.0	9.8
50°-60°	1438.6	8.3
60°-70°	1023.5	5.9
70°-80°	546.9	3.1
80°-90°	144.6	0.8
90°-100°	61.3	0.4
100°-110°	443.8	2.5
110°-120°	1055.3	6.1
120°-130°	1348.2	7.7
130°-140°	1454.2	8.3
140°-150°	1370.9	7.9
150°-160°	1118.3	6.4
160°-170°	728.7	4.2
170°-180°	251.9	1.4
0°-30°	2984.7	17.1
0°-40°	4739.9	27.2
0°-60°	7882.5	45.2
0°-90°	9597.5	55.1
90°-120°	1560.4	9.0
90°-150°	5733.7	32.9
90°-180°	7833.0	44.9
0°-180°	17430.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4009	4009	4009	4009	4009	
5°	3975	4025	3977	3972	4000	377
15°	3778	3812	3778	3755	3755	1064
25°	3399	3411	3357	3311	3297	1566
35°	2918	2890	2810	2727	2710	1819
45°	2346	2310	2212	2106	2076	1810
55°	1760	1712	1603	1500	1472	1573
65°	1167	1126	1028	936	908	1156
75°	604	570	501	450	441	643
85°	137	126	120	120	120	162
90°	0	0	0	2	0	10
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	

TEST NUMBER: P1439262

CATALOG NUMBER: CB3-085U-120D-835-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4008.7	4008.7	4008.7	4008.7	4008.7
2.5°	3988.2	4028.3	3992.8	3997.5	4006.4
5°	3974.6	4024.7	3977.4	3972.3	4000.2
7.5°	3943.8	3989.5	3940.4	3929.0	3954.1
10°	3911.9	3962.0	3906.2	3892.3	3906.2
12.5°	3855.0	3907.3	3862.9	3839.9	3851.6
15°	3778.1	3811.5	3778.1	3755.3	3755.3
17.5°	3684.2	3719.2	3656.2	3640.2	3634.0
20°	3615.8	3646.4	3578.8	3555.8	3547.5
22.5°	3524.7	3553.1	3496.8	3457.9	3447.3
25°	3399.4	3410.6	3356.7	3310.9	3296.9
27.5°	3273.6	3276.4	3202.4	3146.8	3128.4
30°	3168.8	3171.6	3086.3	3026.2	3012.2
32.5°	3064.1	3055.7	2974.7	2903.3	2893.8
35°	2918.3	2890.4	2810.1	2727.1	2710.4
37.5°	2742.3	2725.6	2630.7	2547.6	2522.5
40°	2630.7	2602.9	2505.5	2422.3	2397.3
42.5°	2519.1	2486.8	2387.0	2294.7	2267.4
45°	2346.0	2309.8	2212.2	2106.2	2075.5
47.5°	2171.8	2132.2	2024.9	1922.2	1888.2
50°	2055.6	2013.9	1901.9	1801.4	1765.2
52.5°	1937.2	1893.2	1781.1	1678.6	1649.0
55°	1759.5	1712.2	1602.9	1499.8	1472.0
57.5°	1581.9	1535.1	1426.4	1328.8	1295.4
60°	1463.4	1418.9	1312.5	1215.0	1181.5
62.5°	1342.7	1300.4	1196.4	1101.1	1069.9
65°	1167.3	1125.6	1027.8	936.1	908.2
67.5°	993.6	958.0	861.5	777.3	755.1
70°	879.8	846.3	754.5	677.1	654.8
72.5°	770.4	734.8	647.4	581.6	566.0
75°	603.6	570.2	501.1	449.7	441.3
77.5°	451.0	423.7	363.9	334.7	330.3
80°	353.0	328.0	281.9	261.9	261.9
82.5°	261.9	241.3	211.3	202.7	202.7
85°	136.7	125.5	119.6	119.6	119.6
87.5°	41.0	41.0	38.7	36.8	36.4
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

TEST NUMBER: P1439262

CATALOG NUMBER: CB3-085U-120D-835-1D-UNV-STD-W-8

**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	18.45	19.35	19.37	20.28	21.48	17.37	18.27	18.29	19.20	20.40
	3H	20.12	20.92	21.05	21.86	23.09	18.79	19.59	19.72	20.53	21.76
	4H	20.75	21.51	21.69	22.46	23.69	19.31	20.07	20.25	21.01	22.24
	6H	21.14	21.84	22.09	22.79	24.03	19.63	20.33	20.58	21.28	22.52
	8H	21.28	21.94	22.24	22.91	24.15	19.75	20.42	20.71	21.39	22.63
	12H	21.35	21.98	22.31	22.94	24.21	19.83	20.46	20.79	21.42	22.69
4H	2H	18.86	19.62	19.81	20.57	21.80	18.00	18.76	18.95	19.71	20.94
	3H	20.76	21.39	21.71	22.36	23.61	19.63	20.26	20.58	21.24	22.48
	4H	21.51	22.08	22.47	23.05	24.32	20.23	20.81	21.20	21.78	23.05
	6H	22.01	22.51	22.99	23.50	24.77	20.65	21.15	21.63	22.14	23.41
	8H	22.20	22.67	23.18	23.65	24.94	20.82	21.28	21.80	22.27	23.56
	12H	22.30	22.72	23.30	23.72	25.01	20.93	21.35	21.93	22.35	23.64
8H	4H	21.64	22.10	22.62	23.09	24.37	20.50	20.96	21.48	21.95	23.23
	6H	22.26	22.64	23.26	23.67	24.95	21.03	21.41	22.03	22.44	23.72
	8H	22.53	22.87	23.55	23.89	25.19	21.28	21.62	22.30	22.64	23.94
	12H	22.70	23.00	23.72	24.01	25.35	21.46	21.76	22.48	22.77	24.11
12H	4H	21.61	22.03	22.61	23.04	24.32	20.50	20.92	21.50	21.93	23.21
	6H	22.28	22.61	23.29	23.63	24.93	21.09	21.43	22.10	22.44	23.74
	8H	22.58	22.87	23.59	23.89	25.23	21.37	21.67	22.39	22.68	24.02