

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: P1439048

Luminaire Tested: CB2-D-085U-030D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439048  
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-030D-940-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

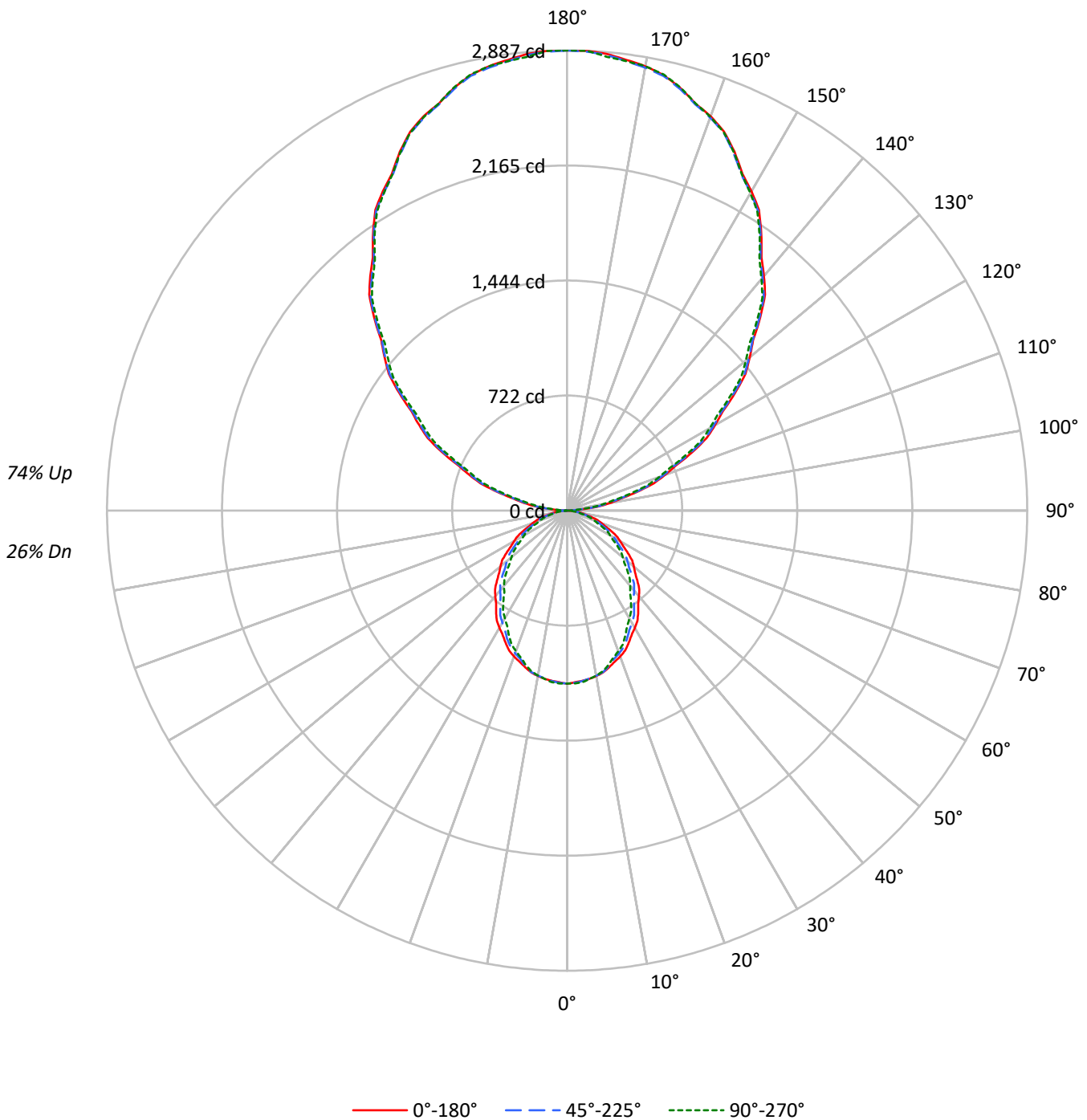
Lumens per Lamp: N/A  
Luminaire Lumens: 9894.7 lumens  
Efficiency: N/A  
Efficacy: 130.2 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 76  
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									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	50	30	10	50	30	10	0																
RCR																																														
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26																												
1	92	88	85	81	82	79	76	73	61	59	57	45	44	42	30	29	29	22																												
2	84	77	71	66	75	69	64	60	54	50	47	39	37	36	26	25	24	18																												
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	23	22	21	16																												
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	19	18	14																												
5	64	53	46	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12																												
6	59	48	40	34	53	43	36	31	34	29	25	25	22	20	17	15	14	10																												
7	55	43	35	30	49	39	32	27	30	26	22	23	20	17	16	14	12	9																												
8	51	39	31	26	45	35	29	24	28	23	20	21	18	15	14	12	11	8																												
9	47	35	28	23	42	32	26	21	25	21	17	19	16	14	13	11	10	8																												
10	44	32	25	21	39	29	23	19	23	19	16	18	14	12	12	10	9	7																												

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	9456	9456	9456
5°	9376	9391	9456
10°	9322	9301	9293
15°	9175	9115	9040
20°	9030	8830	8707
25°	8788	8540	8300
30°	8545	8168	7859
35°	8265	7787	7416
40°	7968	7429	6995
45°	7669	7056	6584
50°	7400	6691	6185
55°	7069	6312	5808
60°	6690	5952	5431
65°	6287	5551	5055
70°	5844	5103	4573
75°	5316	4616	4142
80°	4754	4042	3751
85°	3657	3327	2738

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 7669 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.1	1.0
10°-20°	284.6	2.9
20°-30°	409.3	4.1
30°-40°	460.0	4.6
40°-50°	444.4	4.5
50°-60°	375.5	3.8
60°-70°	269.7	2.7
70°-80°	147.4	1.5
80°-90°	39.3	0.4
90°-100°	111.5	1.1
100°-110°	460.0	4.6
110°-120°	835.0	8.4
120°-130°	1136.2	11.5
130°-140°	1311.6	13.3
140°-150°	1321.7	13.4
150°-160°	1140.6	11.5
160°-170°	773.1	7.8
170°-180°	272.7	2.8
0°-30°	796.0	8.0
0°-40°	1256.0	12.7
0°-60°	2075.8	21.0
0°-90°	2532.2	25.6
90°-120°	1406.5	14.2
90°-150°	5176.0	52.3
90°-180°	7362.0	74.4
0°-180°	9894.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1086	1086	1086	1086	1086	
5°	1072	1087	1074	1074	1082	102
15°	1018	1027	1011	1001	1003	287
25°	915	915	889	869	864	421
35°	777	768	732	704	698	486
45°	623	610	573	543	535	481
55°	466	448	416	390	382	416
65°	305	294	269	250	245	303
75°	158	148	137	126	123	169
85°	37	34	33	29	27	44
90°	0	0	2	0	2	5
95°	108	95	90	70	70	126
105°	455	448	437	412	408	483
115°	865	862	847	822	820	853
125°	1286	1299	1272	1245	1248	1148
135°	1714	1734	1705	1673	1684	1320
145°	2124	2148	2114	2090	2106	1327
155°	2484	2508	2472	2457	2477	1142
165°	2745	2774	2738	2723	2747	773
175°	2876	2906	2869	2851	2858	273
180°	2887	2887	2887	2887	2887	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1085.8	1085.8	1085.8	1085.8	1085.8
2.5°	1078.5	1091.5	1081.8	1083.2	1085.2
5°	1072.5	1087.2	1074.2	1074.4	1081.7
7.5°	1064.9	1078.7	1062.4	1059.4	1066.2
10°	1054.2	1068.1	1051.8	1046.0	1050.9
12.5°	1040.3	1053.4	1037.8	1028.7	1033.0
15°	1017.7	1026.6	1011.0	1001.1	1002.7
17.5°	993.1	998.6	976.1	967.7	966.1
20°	974.4	979.3	952.8	941.1	939.5
22.5°	950.5	954.7	926.9	912.5	910.2
25°	914.6	915.4	888.8	868.7	863.8
27.5°	877.0	874.4	844.9	821.1	814.8
30°	849.7	846.5	812.3	787.2	781.5
32.5°	820.4	814.6	780.4	753.3	747.6
35°	777.4	768.4	732.5	704.1	697.6
37.5°	731.5	721.4	686.1	655.2	647.8
40°	700.9	689.5	653.5	622.6	615.3
42.5°	670.3	657.6	620.9	590.0	582.0
45°	622.7	609.7	572.9	542.7	534.6
47.5°	577.5	560.9	525.1	495.2	487.0
50°	546.2	528.4	493.9	464.6	456.5
52.5°	514.3	495.8	462.6	434.6	426.5
55°	465.6	448.5	415.7	389.8	382.5
57.5°	417.4	401.0	371.0	346.2	339.1
60°	384.1	370.3	341.7	318.3	311.8
62.5°	352.2	339.7	312.4	291.0	284.5
65°	305.1	293.8	269.4	250.1	245.3
67.5°	259.4	248.0	228.3	211.1	205.5
70°	229.5	218.1	200.4	184.5	179.6
72.5°	200.9	188.8	174.4	159.9	156.3
75°	158.0	148.2	137.2	126.3	123.1
77.5°	120.1	110.6	102.6	94.9	94.1
80°	94.8	86.7	80.6	75.6	74.8
82.5°	70.8	64.7	60.7	57.0	56.9
85°	36.6	34.1	33.3	29.1	27.4
87.5°	10.6	10.6	9.8	8.0	8.4
90°	0.0	0.0	2.3	0.1	2.3
92.5°	27.0	23.5	22.1	14.5	16.7
95°	108.1	94.9	90.1	69.8	69.8
97.5°	204.0	190.8	183.8	162.9	158.5
100°	272.5	259.3	252.2	229.6	225.2
102.5°	342.7	336.6	324.3	299.8	295.4
105°	454.9	448.3	436.9	412.0	407.6
107.5°	570.2	571.5	554.4	534.0	527.8
110°	653.0	650.8	637.3	616.9	612.5

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	737.7	733.7	720.1	699.8	695.4
115°	864.7	862.5	846.7	821.9	819.7
117.5°	985.4	992.5	973.7	947.6	946.7
120°	1071.9	1080.7	1058.4	1035.7	1031.3
122.5°	1156.5	1167.1	1144.8	1118.7	1119.6
125°	1285.8	1299.0	1272.3	1245.3	1247.5
127.5°	1410.6	1426.8	1402.0	1374.6	1377.2
130°	1495.2	1515.0	1488.5	1459.3	1463.7
132.5°	1581.7	1601.5	1574.9	1544.0	1552.0
135°	1713.6	1733.5	1704.6	1673.4	1684.4
137.5°	1838.0	1857.8	1826.2	1800.0	1813.2
140°	1920.8	1940.6	1907.3	1882.8	1896.0
142.5°	2001.9	2025.2	1990.2	1964.0	1980.7
145°	2123.5	2147.7	2114.5	2090.1	2105.5
147.5°	2238.8	2263.0	2229.3	2205.8	2221.7
150°	2312.6	2336.9	2301.4	2281.5	2299.1
152.5°	2381.1	2408.8	2371.6	2351.9	2374.8
155°	2483.8	2508.0	2472.5	2457.2	2477.0
157.5°	2573.0	2601.1	2565.7	2552.6	2568.4
160°	2632.4	2658.8	2623.4	2610.3	2627.9
162.5°	2677.4	2705.6	2672.0	2657.2	2678.3
165°	2745.0	2773.6	2738.2	2723.0	2747.2
167.5°	2798.1	2828.5	2792.7	2777.1	2801.7
170°	2830.6	2859.2	2821.6	2804.1	2830.6
172.5°	2852.2	2882.6	2843.2	2825.6	2843.2
175°	2875.6	2906.4	2868.8	2851.0	2857.6
177.5°	2886.9	2911.5	2881.5	2865.7	2886.9
180°	2886.9	2886.9	2886.9	2886.9	2886.9



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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	11.95	12.62	13.09	13.75	15.33	10.85	11.52	11.99	12.65	14.23
	3H	13.58	14.18	14.73	15.32	16.92	12.36	12.96	13.51	14.10	15.70
	4H	14.20	14.77	15.36	15.91	17.51	12.92	13.50	14.08	14.64	16.24
	6H	14.59	15.12	15.76	16.26	17.87	13.29	13.81	14.45	14.95	16.57
	8H	14.73	15.23	15.90	16.39	18.00	13.42	13.92	14.59	15.08	16.68
	12H	14.80	15.27	15.97	16.43	18.05	13.48	13.95	14.65	15.10	16.73
4H	2H	12.33	12.90	13.50	14.04	15.65	11.46	12.03	12.63	13.17	14.77
	3H	14.18	14.66	15.36	15.83	17.44	13.18	13.65	14.35	14.82	16.43
	4H	14.92	15.36	16.10	16.52	18.15	13.84	14.28	15.02	15.43	17.07
	6H	15.43	15.81	16.61	16.98	18.61	14.31	14.68	15.49	15.86	17.48
	8H	15.63	15.98	16.81	17.15	18.79	14.49	14.84	15.67	16.01	17.65
	12H	15.73	16.05	16.92	17.23	18.87	14.57	14.89	15.76	16.07	17.71
8H	4H	15.06	15.41	16.24	16.58	18.22	14.10	14.45	15.28	15.62	17.26
	6H	15.70	15.99	16.90	17.20	18.83	14.70	14.99	15.89	16.20	17.83
	8H	15.99	16.24	17.19	17.43	19.08	14.97	15.22	16.17	16.41	18.07
	12H	16.15	16.37	17.36	17.56	19.25	15.11	15.33	16.32	16.52	18.21
12H	4H	15.03	15.35	16.23	16.53	18.18	14.09	14.41	15.29	15.59	17.24
	6H	15.73	15.98	16.93	17.17	18.82	14.76	15.01	15.96	16.20	17.85
	8H	16.03	16.25	17.24	17.44	19.13	15.06	15.28	16.26	16.46	18.15