

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: P1439566

Luminaire Tested: CB3-D-085U-030D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439566  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-D-085U-030D-935-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

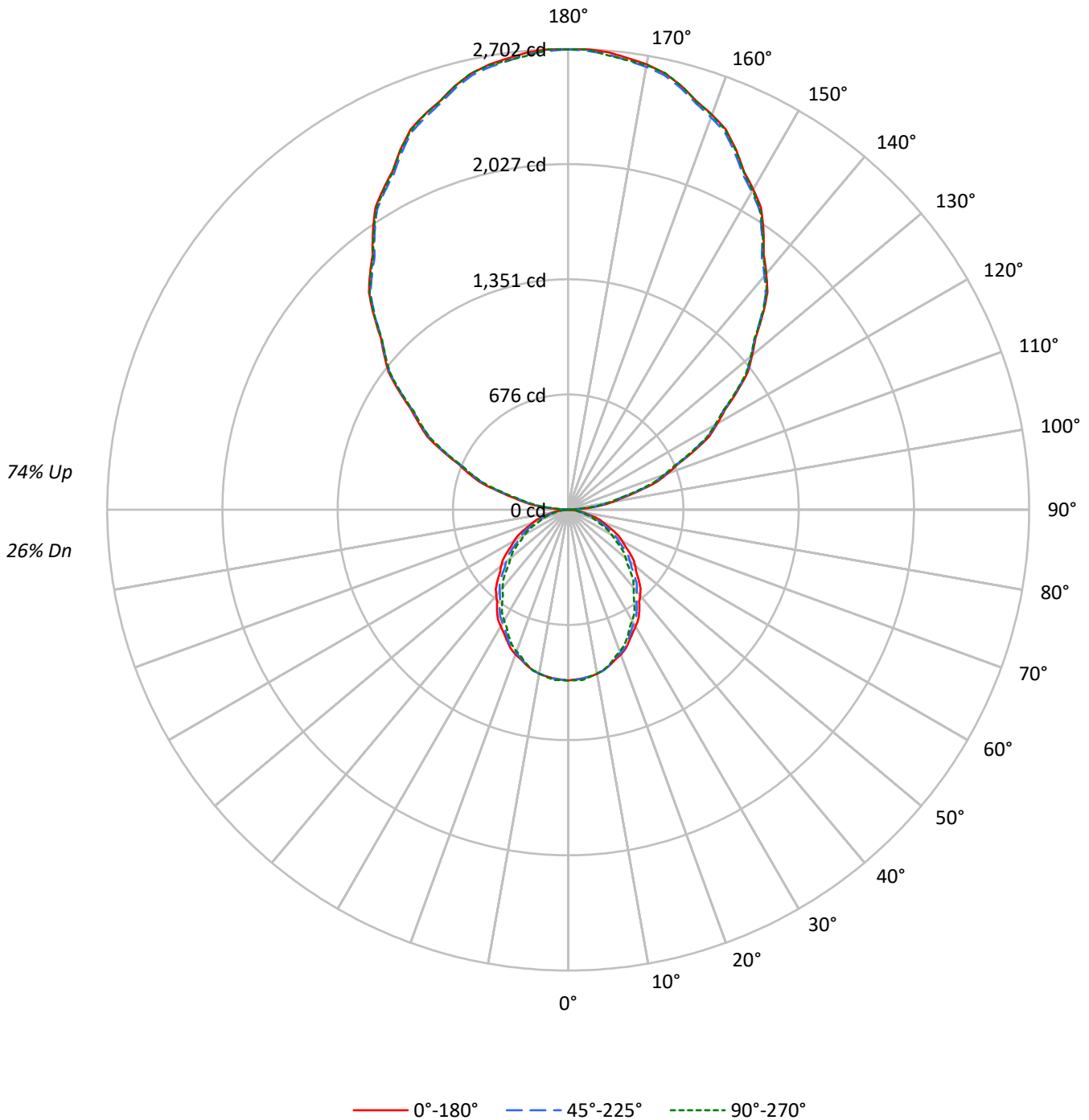
Lumens per Lamp: N/A  
Luminaire Lumens: 9349.2 lumens  
Efficiency: N/A  
Efficacy: 128.1 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 73  
Input Voltage (V): 120  
Input Current (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	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	19	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°	5665	5665	5665
5°	5638	5642	5686
10°	5614	5606	5606
15°	5528	5528	5495
20°	5439	5383	5324
25°	5290	5223	5130
30°	5160	5025	4905
35°	5024	4838	4666
40°	4843	4612	4413
45°	4679	4412	4140
50°	4510	4173	3873
55°	4326	3941	3619
60°	4128	3702	3332
65°	3895	3430	3031
70°	3627	3111	2699
75°	3290	2730	2404
80°	2867	2290	2127
85°	2213	1934	1934

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4679 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.5	1.0
10°-20°	265.4	2.8
20°-30°	385.1	4.1
30°-40°	437.5	4.7
40°-50°	424.7	4.5
50°-60°	358.6	3.8
60°-70°	255.1	2.7
70°-80°	136.3	1.5
80°-90°	36.0	0.4
90°-100°	114.0	1.2
100°-110°	446.2	4.8
110°-120°	795.3	8.5
120°-130°	1076.2	11.5
130°-140°	1237.3	13.2
140°-150°	1241.5	13.3
150°-160°	1067.7	11.4
160°-170°	722.7	7.7
170°-180°	254.9	2.7
0°-30°	745.0	8.0
0°-40°	1182.5	12.6
0°-60°	1965.9	21.0
0°-90°	2393.4	25.6
90°-120°	1355.5	14.5
90°-150°	4910.5	52.5
90°-180°	6956.0	74.4
0°-180°	9349.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1001	1001	1001	1001	1001	
5°	993	1005	994	992	1001	94
15°	944	952	944	938	938	266
25°	847	850	837	825	822	391
35°	727	720	700	680	676	453
45°	585	576	551	525	517	451
55°	439	427	400	374	367	392
65°	291	281	256	233	226	288
75°	150	142	125	112	110	160
85°	34	31	30	30	30	40
90°	0	0	0	0	0	5
95°	110	100	89	83	85	125
105°	432	430	416	410	406	462
115°	811	815	797	795	793	804
125°	1208	1223	1198	1194	1196	1081
135°	1610	1626	1600	1588	1604	1241
145°	1995	2011	1978	1968	1987	1247
155°	2328	2348	2310	2300	2324	1071
165°	2570	2592	2558	2544	2570	724
175°	2692	2717	2680	2664	2674	255
180°	2698	2698	2698	2698	2698	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1001.3	1001.3	1001.3	1001.3	1001.3
2.5°	996.2	1006.2	997.3	998.5	1000.7
5°	992.8	1005.3	993.5	992.3	1001.3
7.5°	985.1	996.5	984.3	981.4	987.7
10°	977.2	989.7	975.8	972.3	975.8
12.5°	963.0	976.0	965.0	959.2	962.1
15°	943.8	952.2	943.8	938.2	938.2
17.5°	920.4	929.2	913.5	909.4	907.5
20°	903.4	911.0	894.1	888.4	884.3
22.5°	880.7	887.7	873.7	862.3	859.3
25°	847.4	850.1	836.7	825.3	821.8
27.5°	816.0	816.7	798.3	784.4	779.8
30°	789.9	790.6	769.3	754.3	750.9
32.5°	763.8	761.7	741.5	723.7	721.3
35°	727.4	720.5	700.5	679.8	675.6
37.5°	683.6	679.4	655.8	635.0	628.8
40°	655.8	648.8	624.5	603.8	597.6
42.5°	627.9	619.9	595.0	572.0	565.2
45°	584.8	575.8	551.4	525.0	517.4
47.5°	541.4	531.5	504.7	479.1	470.7
50°	512.4	502.0	474.1	449.0	440.0
52.5°	482.9	471.9	444.0	418.4	411.1
55°	438.6	426.8	399.6	373.8	366.9
57.5°	394.3	382.6	355.6	331.2	322.9
60°	364.8	353.7	327.2	302.8	294.5
62.5°	334.7	324.1	298.2	274.5	266.7
65°	291.0	280.6	256.2	233.3	226.4
67.5°	247.7	238.8	214.8	193.8	188.2
70°	219.3	211.0	188.1	168.8	163.2
72.5°	192.0	183.2	161.4	145.0	141.1
75°	150.5	142.1	124.9	112.1	110.0
77.5°	112.4	105.6	90.7	83.4	82.3
80°	88.0	81.8	70.3	65.3	65.3
82.5°	65.3	60.2	52.7	50.5	50.5
85°	34.1	31.3	29.8	29.8	29.8
87.5°	10.2	10.2	9.7	9.1	9.1
90°	0.0	0.0	0.0	0.0	0.0
92.5°	29.8	26.6	16.6	13.2	13.2
95°	109.7	99.6	89.0	82.8	84.8
97.5°	202.4	192.7	179.6	173.5	175.1
100°	267.0	258.9	244.2	238.0	238.0
102.5°	329.9	325.0	310.4	304.2	305.9
105°	432.5	430.5	416.0	409.7	405.6
107.5°	545.9	542.3	526.0	525.5	521.9
110°	618.8	616.7	602.2	600.1	598.1

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	693.3	696.1	680.0	677.9	675.9
115°	811.2	815.3	796.7	794.6	792.6
117.5°	932.1	937.7	918.0	915.8	912.2
120°	1009.9	1022.0	997.5	995.3	993.3
122.5°	1089.3	1099.9	1076.9	1073.2	1072.8
125°	1208.5	1222.7	1198.2	1194.1	1196.1
127.5°	1327.7	1342.3	1319.5	1311.3	1315.7
130°	1407.2	1423.4	1398.9	1390.8	1396.9
132.5°	1488.3	1504.5	1480.0	1472.0	1481.3
135°	1610.0	1626.2	1599.7	1587.6	1603.8
137.5°	1728.8	1742.9	1713.9	1705.6	1722.6
140°	1806.6	1820.8	1790.0	1780.2	1800.4
142.5°	1882.7	1898.5	1864.5	1854.7	1876.5
145°	1994.9	2011.1	1978.4	1968.4	1986.6
147.5°	2102.5	2119.1	2086.0	2074.4	2093.0
150°	2168.7	2187.0	2152.2	2142.3	2162.5
152.5°	2233.3	2253.1	2216.8	2205.3	2230.4
155°	2328.1	2348.3	2309.5	2299.7	2323.9
157.5°	2413.3	2432.0	2396.8	2386.9	2408.0
160°	2464.7	2484.9	2448.1	2438.3	2462.6
162.5°	2509.4	2529.6	2496.1	2483.0	2507.3
165°	2570.2	2592.5	2557.8	2543.9	2570.2
167.5°	2621.1	2645.0	2608.3	2595.6	2621.9
170°	2650.9	2673.2	2636.4	2620.5	2646.8
172.5°	2670.8	2693.0	2656.3	2640.2	2658.4
175°	2692.3	2716.6	2679.9	2663.6	2673.7
177.5°	2701.8	2721.2	2691.9	2677.5	2700.2
180°	2698.5	2698.5	2698.5	2698.5	2698.5



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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	10.31	10.98	11.45	12.11	13.69	9.23	9.90	10.37	11.03	12.62
	3H	11.96	12.56	13.11	13.70	15.30	10.63	11.23	11.78	12.37	13.97
	4H	12.58	13.15	13.74	14.29	15.90	11.14	11.71	12.30	12.85	14.45
	6H	12.96	13.48	14.12	14.62	16.24	11.44	11.97	12.61	13.11	14.73
	8H	13.09	13.59	14.26	14.75	16.35	11.56	12.06	12.73	13.22	14.83
	12H	13.15	13.62	14.32	14.77	16.40	11.63	12.11	12.80	13.26	14.88
4H	2H	10.69	11.26	11.86	12.40	14.01	9.83	10.40	11.00	11.54	13.15
	3H	12.56	13.04	13.74	14.21	15.82	11.43	11.91	12.61	13.08	14.69
	4H	13.31	13.74	14.48	14.90	16.53	12.03	12.47	13.21	13.63	15.26
	6H	13.80	14.17	14.98	15.35	16.97	12.44	12.81	13.61	13.99	15.61
	8H	13.98	14.33	15.16	15.50	17.14	12.60	12.95	13.78	14.12	15.76
	12H	14.07	14.39	15.27	15.57	17.21	12.70	13.01	13.89	14.19	15.84
8H	4H	13.42	13.77	14.60	14.94	16.58	12.28	12.63	13.46	13.80	15.44
	6H	14.03	14.32	15.23	15.53	17.17	12.80	13.09	14.00	14.30	15.94
	8H	14.31	14.56	15.51	15.74	17.40	13.05	13.30	14.25	14.49	16.15
	12H	14.46	14.68	15.67	15.87	17.56	13.22	13.44	14.43	14.63	16.31
12H	4H	13.38	13.70	14.58	14.88	16.53	12.27	12.59	13.47	13.77	15.42
	6H	14.05	14.30	15.25	15.49	17.14	12.86	13.11	14.06	14.30	15.95
	8H	14.34	14.56	15.54	15.74	17.43	13.13	13.35	14.34	14.54	16.23