

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: P1439228

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

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439228  
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-935-1D-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, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

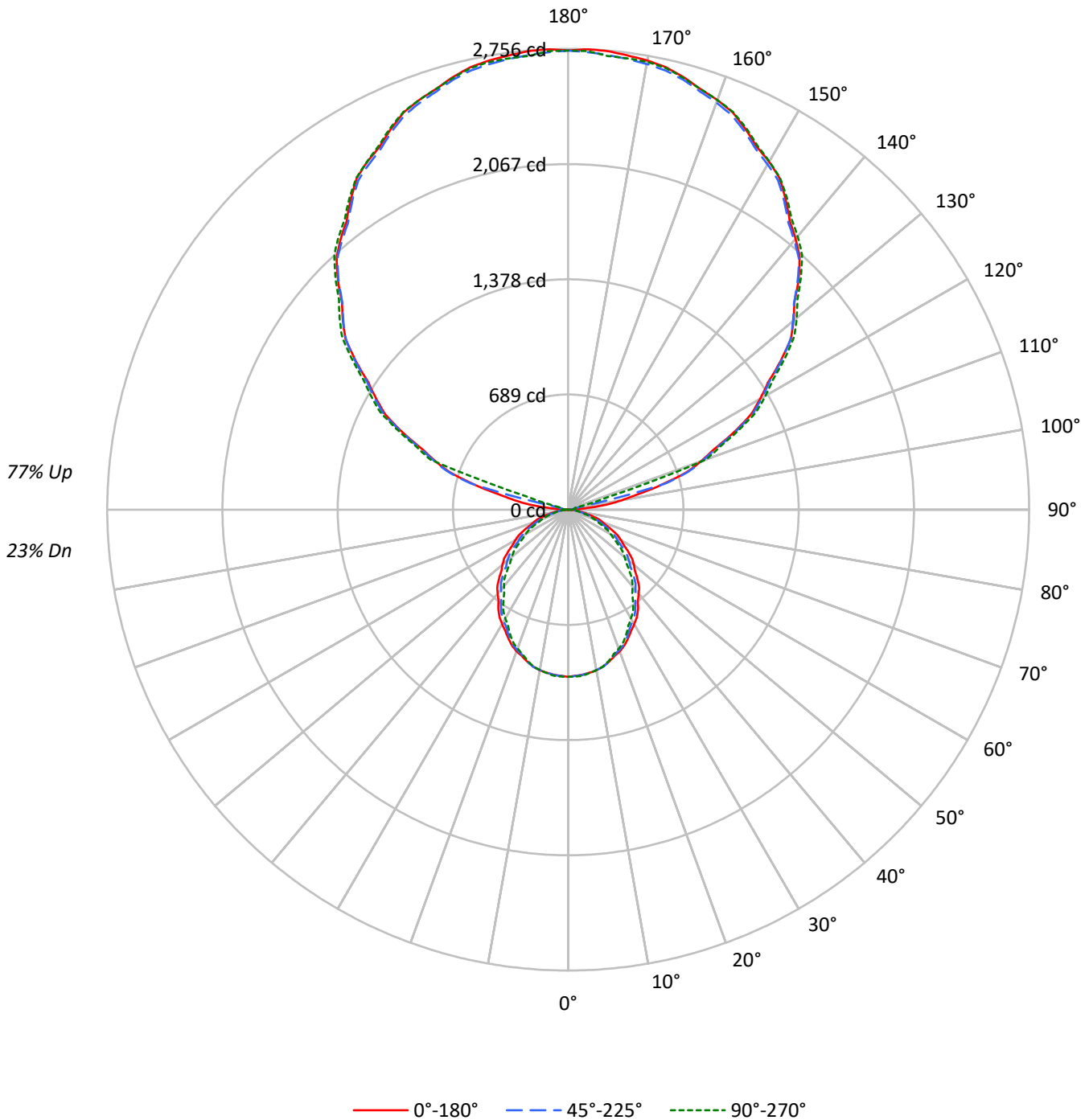
Lumens per Lamp: N/A  
Luminaire Lumens: 10496.8 lumens  
Efficiency: N/A  
Efficacy: 143.8 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

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	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°	5653	5653	5653
5°	5626	5630	5662
10°	5602	5593	5593
15°	5516	5516	5483
20°	5426	5371	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°	94.3	0.9
10°-20°	264.9	2.5
20°-30°	384.8	3.7
30°-40°	437.5	4.2
40°-50°	424.7	4.0
50°-60°	358.6	3.4
60°-70°	255.1	2.4
70°-80°	136.3	1.3
80°-90°	36.1	0.3
90°-100°	63.4	0.6
100°-110°	459.3	4.4
110°-120°	1091.9	10.4
120°-130°	1395.0	13.3
130°-140°	1504.7	14.3
140°-150°	1418.5	13.5
150°-160°	1157.1	11.0
160°-170°	754.0	7.2
170°-180°	260.6	2.5
0°-30°	744.0	7.1
0°-40°	1181.5	11.3
0°-60°	1964.9	18.7
0°-90°	2392.4	22.8
90°-120°	1614.6	15.4
90°-150°	5932.7	56.5
90°-180°	8104.0	77.2
0°-180°	10496.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	999	999	999	999	999	
5°	991	1003	991	990	997	94
15°	942	950	942	936	936	265
25°	847	850	837	825	822	390
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	2	0	6
95°	116	21	27	29	29	143
105°	582	590	598	44	46	613
115°	1091	1099	1101	1118	1124	1076
125°	1550	1560	1556	1573	1583	1383
135°	1947	1957	1941	1956	1968	1500
145°	2266	2280	2252	2266	2278	1418
155°	2510	2530	2496	2502	2518	1158
165°	2676	2690	2661	2653	2672	756
175°	2752	2766	2730	2715	2723	262
180°	2746	2746	2746	2746	2746	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	999.2	999.2	999.2	999.2	999.2
2.5°	994.1	1004.1	995.3	996.5	998.7
5°	990.7	1003.2	991.4	990.2	997.1
7.5°	983.1	994.4	982.2	979.4	985.6
10°	975.1	987.6	973.7	970.2	973.7
12.5°	960.9	974.0	962.9	957.2	960.1
15°	941.8	950.1	941.8	936.1	936.1
17.5°	918.3	927.1	911.4	907.4	905.8
20°	901.3	908.9	892.1	886.4	884.3
22.5°	878.6	885.7	871.6	861.9	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	9.5	9.1
90°	0.0	0.0	0.0	2.0	0.0
92.5°	31.5	12.0	9.9	12.0	11.6
95°	115.9	20.8	26.9	29.0	29.0
97.5°	233.4	229.0	31.5	37.7	38.1
100°	322.8	332.9	33.1	39.4	41.4
102.5°	422.2	430.7	61.3	41.0	43.0
105°	581.5	589.6	598.1	43.5	45.5
107.5°	740.0	746.1	751.6	676.6	253.3
110°	844.3	850.4	852.6	873.4	877.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	942.0	949.7	953.6	971.1	978.4
115°	1090.6	1098.7	1100.9	1117.6	1123.7
117.5°	1231.7	1240.2	1244.1	1257.6	1267.3
120°	1324.4	1334.5	1336.8	1353.6	1361.7
122.5°	1415.5	1427.2	1426.2	1441.4	1452.7
125°	1550.0	1560.1	1556.2	1573.0	1583.1
127.5°	1677.9	1683.9	1675.4	1695.9	1704.4
130°	1759.0	1765.1	1754.9	1773.7	1783.8
132.5°	1833.5	1842.8	1831.0	1848.2	1858.3
135°	1947.3	1957.4	1941.1	1955.9	1968.0
137.5°	2048.7	2060.9	2041.3	2058.5	2069.0
140°	2114.9	2127.1	2102.5	2121.4	2133.6
142.5°	2176.2	2191.6	2162.1	2179.4	2193.2
145°	2266.0	2280.2	2251.5	2266.3	2278.4
147.5°	2351.3	2363.4	2336.0	2346.5	2355.0
150°	2402.6	2414.7	2384.0	2394.5	2404.7
152.5°	2444.0	2461.0	2430.3	2437.7	2452.7
155°	2510.2	2530.4	2495.7	2502.3	2518.5
157.5°	2571.0	2589.2	2554.5	2560.2	2574.3
160°	2607.5	2625.7	2590.9	2593.3	2607.5
162.5°	2635.6	2652.2	2622.4	2618.2	2635.6
165°	2675.7	2689.9	2661.3	2653.4	2671.6
167.5°	2709.3	2725.5	2690.2	2683.7	2704.3
170°	2727.5	2743.7	2706.8	2696.9	2719.2
172.5°	2739.1	2753.6	2718.4	2705.1	2722.5
175°	2752.3	2766.5	2729.6	2715.3	2723.3
177.5°	2756.0	2767.4	2737.8	2725.0	2744.5
180°	2746.1	2746.1	2746.1	2746.1	2746.1



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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	9.85	10.50	11.01	11.65	13.26	8.77	9.43	9.93	10.57	12.19
	3H	11.50	12.09	12.67	13.24	14.87	10.17	10.75	11.34	11.91	13.54
	4H	12.12	12.68	13.30	13.83	15.47	10.68	11.23	11.85	12.39	14.02
	6H	12.49	13.01	13.68	14.16	15.81	10.98	11.50	12.17	12.65	14.30
	8H	12.63	13.11	13.81	14.29	15.92	11.10	11.59	12.29	12.76	14.39
	12H	12.69	13.15	13.88	14.31	15.97	11.17	11.63	12.36	12.80	14.45
4H	2H	10.23	10.79	11.42	11.94	13.58	9.37	9.93	10.56	11.08	12.72
	3H	12.10	12.57	13.29	13.75	15.39	10.97	11.44	12.16	12.62	14.26
	4H	12.84	13.27	14.03	14.44	16.10	11.57	12.00	12.76	13.17	14.83
	6H	13.33	13.70	14.53	14.89	16.54	11.97	12.34	13.17	13.53	15.18
	8H	13.52	13.86	14.71	15.04	16.71	12.14	12.48	13.33	13.66	15.33
	12H	13.61	13.92	14.82	15.11	16.78	12.23	12.54	13.44	13.73	15.41
8H	4H	12.95	13.30	14.15	14.48	16.15	11.82	12.16	13.01	13.34	15.01
	6H	13.57	13.85	14.78	15.07	16.74	12.34	12.62	13.55	13.84	15.51
	8H	13.84	14.08	15.06	15.29	16.97	12.59	12.83	13.80	14.03	15.72
	12H	14.00	14.21	15.22	15.41	17.13	12.75	12.97	13.97	14.17	15.88
12H	4H	12.92	13.23	14.13	14.42	16.09	11.81	12.12	13.02	13.31	14.98
	6H	13.58	13.83	14.80	15.03	16.71	12.39	12.64	13.61	13.84	15.52
	8H	13.87	14.09	15.09	15.29	17.00	12.66	12.88	13.89	14.08	15.79