

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: P1439230

Luminaire Tested: CB3-085U-030D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439230  
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-940-1D-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: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

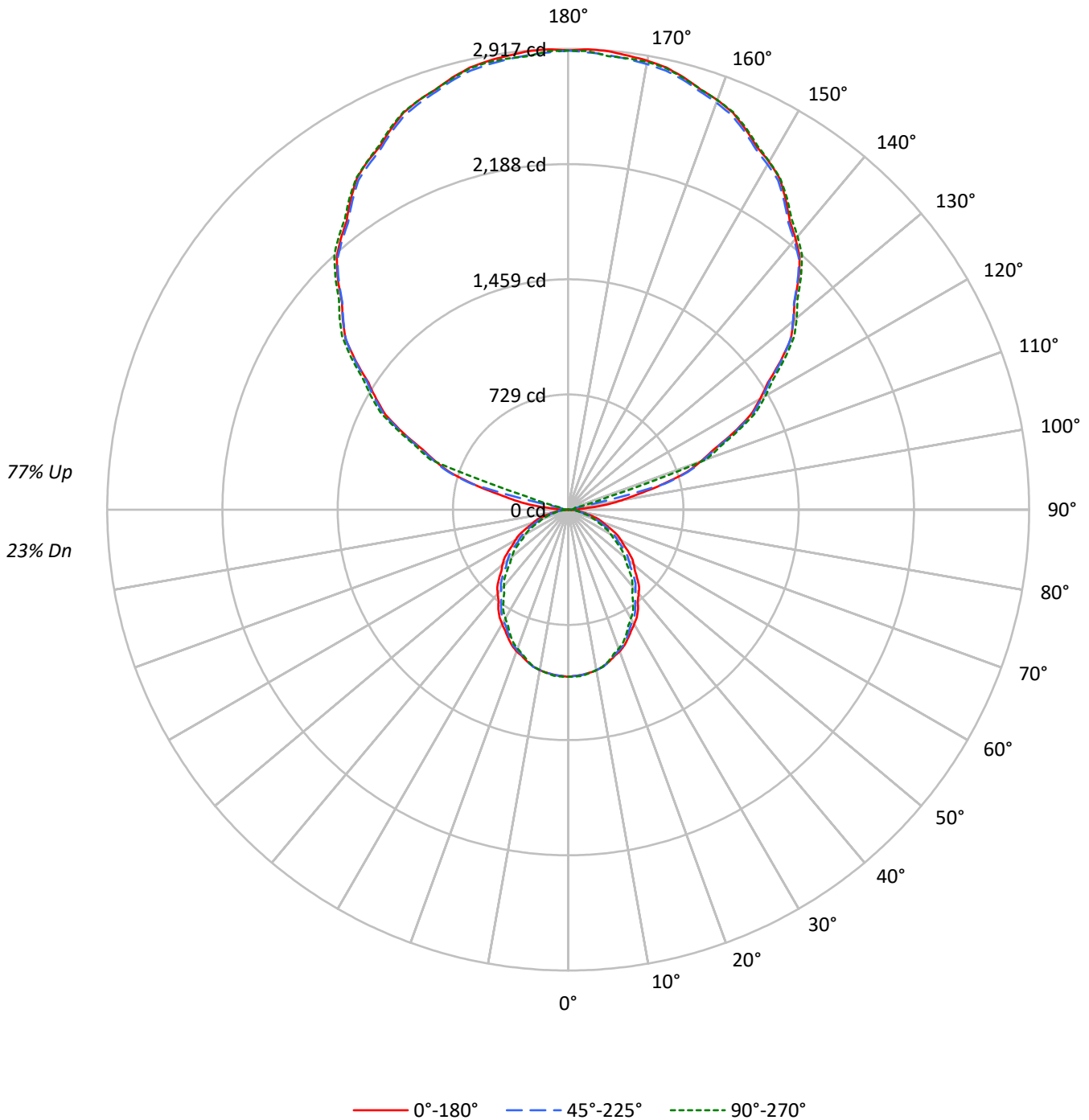
Lumens per Lamp: N/A  
Luminaire Lumens: 11109.0 lumens  
Efficiency: N/A  
Efficacy: 152.2 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

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°	5983	5983	5983
5°	5954	5959	5993
10°	5928	5920	5920
15°	5838	5838	5802
20°	5743	5684	5634
25°	5598	5527	5429
30°	5461	5319	5191
35°	5317	5120	4938
40°	5125	4882	4670
45°	4952	4669	4380
50°	4773	4416	4099
55°	4578	4171	3830
60°	4369	3918	3527
65°	4122	3629	3207
70°	3839	3292	2857
75°	3480	2890	2544
80°	3033	2424	2251
85°	2343	2045	2045

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4952 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.8	0.9
10°-20°	280.3	2.5
20°-30°	407.3	3.7
30°-40°	463.0	4.2
40°-50°	449.5	4.0
50°-60°	379.5	3.4
60°-70°	270.0	2.4
70°-80°	144.3	1.3
80°-90°	38.2	0.3
90°-100°	67.1	0.6
100°-110°	486.0	4.4
110°-120°	1155.6	10.4
120°-130°	1476.3	13.3
130°-140°	1592.4	14.3
140°-150°	1501.2	13.5
150°-160°	1224.6	11.0
160°-170°	797.9	7.2
170°-180°	275.8	2.5
0°-30°	787.4	7.1
0°-40°	1250.4	11.3
0°-60°	2079.5	18.7
0°-90°	2531.9	22.8
90°-120°	1708.7	15.4
90°-150°	6278.7	56.5
90°-180°	8577.0	77.2
0°-180°	11109.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1058	1058	1058	1058	1058	
5°	1048	1062	1049	1048	1055	100
15°	997	1006	997	991	991	281
25°	897	900	886	873	870	413
35°	770	762	741	719	715	480
45°	619	609	584	556	548	477
55°	464	452	423	396	388	415
65°	308	297	271	247	240	305
75°	159	150	132	119	116	170
85°	36	33	32	32	32	43
90°	0	0	0	2	0	6
95°	123	22	28	31	31	151
105°	615	624	633	46	48	649
115°	1154	1163	1165	1183	1189	1139
125°	1640	1651	1647	1665	1675	1464
135°	2061	2072	2054	2070	2083	1587
145°	2398	2413	2383	2398	2411	1501
155°	2657	2678	2641	2648	2665	1225
165°	2832	2847	2816	2808	2827	800
175°	2913	2928	2889	2874	2882	277
180°	2906	2906	2906	2906	2906	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1057.5	1057.5	1057.5	1057.5	1057.5
2.5°	1052.1	1062.7	1053.3	1054.6	1056.9
5°	1048.5	1061.7	1049.3	1047.9	1055.3
7.5°	1040.4	1052.4	1039.5	1036.5	1043.1
10°	1032.0	1045.2	1030.5	1026.8	1030.5
12.5°	1017.0	1030.8	1019.1	1013.0	1016.1
15°	996.7	1005.5	996.7	990.7	990.7
17.5°	971.9	981.2	964.5	960.3	958.7
20°	953.9	962.0	944.1	938.1	935.9
22.5°	929.8	937.3	922.5	912.2	909.4
25°	896.8	899.7	885.5	873.4	869.8
27.5°	863.6	864.3	844.8	830.1	825.3
30°	836.0	836.7	814.2	798.3	794.6
32.5°	808.3	806.1	784.7	765.9	763.4
35°	769.9	762.5	741.3	719.4	715.0
37.5°	723.4	719.0	694.0	672.1	665.5
40°	694.0	686.7	661.0	639.0	632.4
42.5°	664.6	656.0	629.7	605.4	598.2
45°	618.9	609.3	583.6	555.6	547.5
47.5°	572.9	562.5	534.2	507.1	498.1
50°	542.3	531.3	501.7	475.2	465.7
52.5°	511.0	499.4	469.9	442.8	435.0
55°	464.2	451.7	422.9	395.7	388.3
57.5°	417.3	405.0	376.3	350.6	341.7
60°	386.1	374.3	346.3	320.5	311.7
62.5°	354.2	343.0	315.6	290.5	282.3
65°	307.9	296.9	271.1	246.9	239.6
67.5°	262.1	252.7	227.3	205.1	199.2
70°	232.1	223.3	199.0	178.6	172.7
72.5°	203.2	193.8	170.8	153.4	149.3
75°	159.2	150.4	132.2	118.6	116.4
77.5°	119.0	111.8	96.0	88.3	87.1
80°	93.1	86.5	74.4	69.1	69.1
82.5°	69.1	63.7	55.7	53.5	53.5
85°	36.1	33.1	31.5	31.5	31.5
87.5°	10.8	10.8	10.2	10.0	9.6
90°	0.0	0.0	0.0	2.1	0.0
92.5°	33.3	12.7	10.5	12.7	12.3
95°	122.6	22.0	28.5	30.7	30.7
97.5°	247.0	242.3	33.3	39.9	40.3
100°	341.7	352.4	35.0	41.7	43.8
102.5°	446.8	455.8	64.8	43.4	45.6
105°	615.4	624.0	632.9	46.0	48.2
107.5°	783.2	789.6	795.5	716.1	268.1
110°	893.6	900.0	902.3	924.3	928.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	996.9	1005.1	1009.2	1027.8	1035.5
115°	1154.2	1162.8	1165.1	1182.8	1189.2
117.5°	1303.6	1312.6	1316.7	1330.9	1341.2
120°	1401.7	1412.4	1414.8	1432.5	1441.1
122.5°	1498.0	1510.5	1509.4	1525.5	1537.5
125°	1640.4	1651.1	1647.0	1664.7	1675.4
127.5°	1775.7	1782.2	1773.1	1794.8	1803.8
130°	1861.6	1868.0	1857.2	1877.2	1887.9
132.5°	1940.4	1950.3	1937.8	1956.0	1966.7
135°	2060.9	2071.6	2054.3	2070.0	2082.8
137.5°	2168.2	2181.1	2160.3	2178.5	2189.7
140°	2238.3	2251.2	2225.2	2245.2	2258.0
142.5°	2303.1	2319.4	2288.2	2306.5	2321.1
145°	2398.2	2413.2	2382.8	2398.5	2411.3
147.5°	2488.4	2501.3	2472.2	2483.4	2492.4
150°	2542.7	2555.6	2523.0	2534.2	2544.9
152.5°	2586.5	2604.5	2572.1	2579.9	2595.7
155°	2656.6	2678.0	2641.3	2648.2	2665.4
157.5°	2721.0	2740.3	2703.5	2709.5	2724.5
160°	2759.5	2778.8	2742.0	2744.6	2759.5
162.5°	2789.3	2806.9	2775.3	2770.9	2789.3
165°	2831.8	2846.8	2816.5	2808.2	2827.4
167.5°	2867.3	2884.4	2847.2	2840.2	2862.0
170°	2886.6	2903.7	2864.7	2854.3	2877.8
172.5°	2898.8	2914.3	2876.9	2862.9	2881.3
175°	2912.9	2927.8	2888.8	2873.6	2882.2
177.5°	2916.8	2928.8	2897.5	2884.0	2904.5
180°	2906.3	2906.3	2906.3	2906.3	2906.3



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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	10.05	10.70	11.21	11.85	13.46	8.97	9.62	10.13	10.77	12.38
	3H	11.70	12.28	12.87	13.44	15.07	10.37	10.95	11.53	12.11	13.74
	4H	12.32	12.88	13.49	14.03	15.66	10.87	11.43	12.05	12.59	14.22
	6H	12.69	13.20	13.88	14.36	16.01	11.18	11.69	12.36	12.85	14.49
	8H	12.82	13.31	14.01	14.48	16.12	11.30	11.78	12.48	12.96	14.59
	12H	12.88	13.35	14.07	14.51	16.17	11.37	11.83	12.56	12.99	14.65
4H	2H	10.43	10.99	11.61	12.14	13.77	9.57	10.13	10.76	11.28	12.92
	3H	12.30	12.76	13.49	13.94	15.59	11.17	11.63	12.36	12.81	14.46
	4H	13.04	13.47	14.23	14.64	16.30	11.77	12.20	12.96	13.36	15.03
	6H	13.53	13.90	14.72	15.09	16.74	12.17	12.53	13.36	13.72	15.38
	8H	13.72	14.06	14.91	15.24	16.91	12.33	12.68	13.53	13.86	15.53
	12H	13.80	14.11	15.01	15.31	16.98	12.43	12.74	13.64	13.93	15.61
8H	4H	13.15	13.49	14.35	14.68	16.34	12.01	12.35	13.21	13.54	15.21
	6H	13.76	14.04	14.98	15.27	16.93	12.53	12.81	13.75	14.04	15.70
	8H	14.04	14.28	15.25	15.48	17.17	12.78	13.03	14.00	14.23	15.92
	12H	14.19	14.41	15.41	15.61	17.32	12.95	13.17	14.17	14.36	16.08
12H	4H	13.11	13.43	14.32	14.62	16.29	12.00	12.32	13.21	13.51	15.18
	6H	13.78	14.02	15.00	15.22	16.91	12.59	12.83	13.81	14.03	15.72
	8H	14.07	14.28	15.29	15.48	17.20	12.86	13.08	14.08	14.27	15.99