

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: P1439146

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

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439146  
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: CB3-030U-085D-940-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

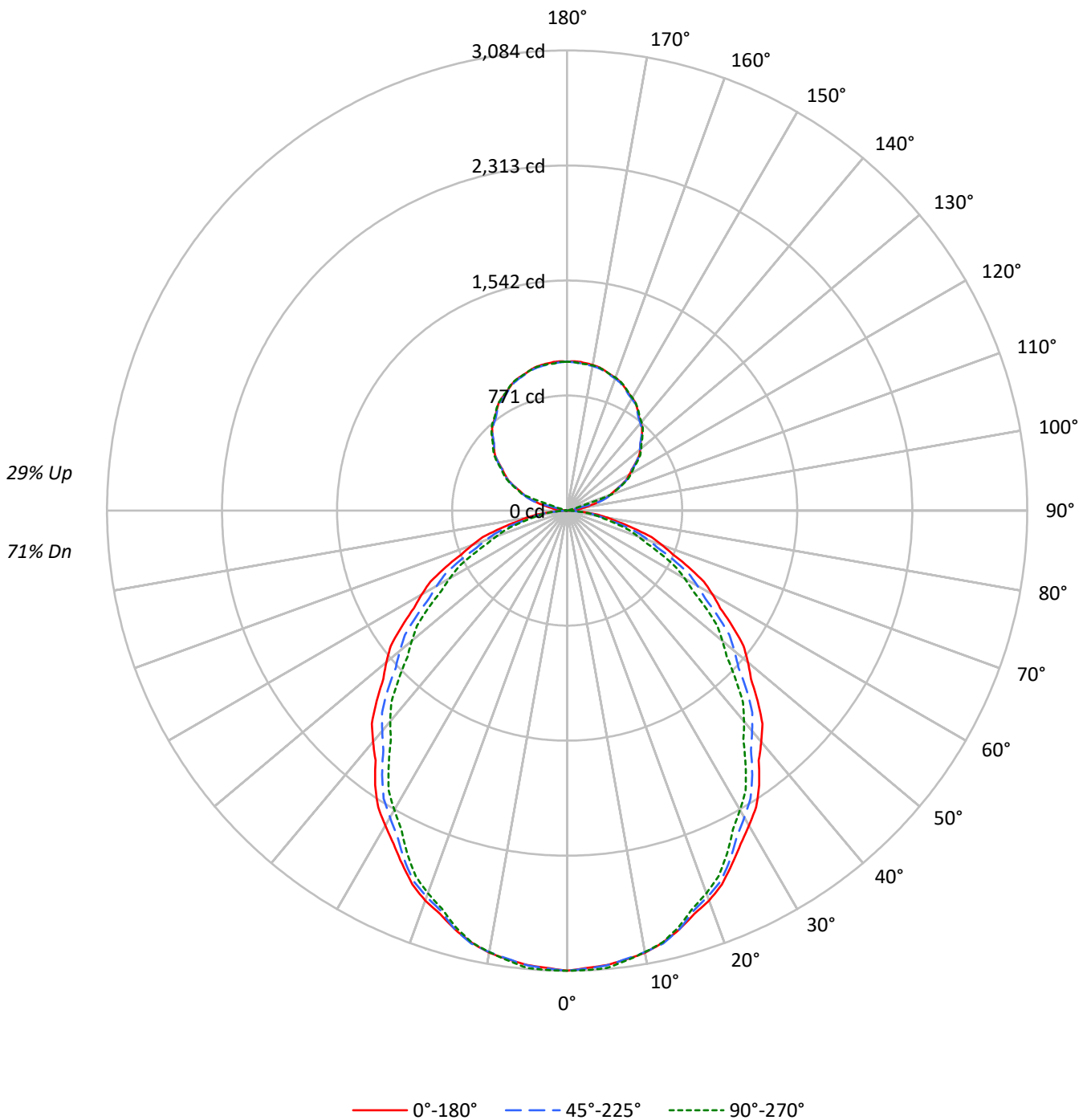
Lumens per Lamp: N/A  
Luminaire Lumens: 10327.2 lumens  
Efficiency: N/A  
Efficacy: 147.7 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 69.9  
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

TEST NUMBER: P1439146

CATALOG NUMBER: CB3-030U-085D-940-1D-UNV-STD-W-8

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									70									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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	76	76	76	76	76	76	71													
1	103	98	95	91	97	93	90	87	84	81	79	75	73	72	68	66	65	65	65	65	65	65	65	61													
2	94	86	80	75	89	82	76	72	74	70	66	67	63	60	60	57	55	55	55	55	55	55	55	51													
3	86	76	69	63	81	72	66	60	66	60	56	59	55	51	53	50	47	47	47	47	47	47	47	44													
4	79	68	60	53	74	64	57	52	58	53	48	53	48	44	48	44	41	41	41	41	41	41	41	38													
5	72	61	52	46	68	58	50	45	53	46	42	48	43	39	43	39	36	36	36	36	36	36	36	33													
6	67	55	46	40	63	52	45	39	48	41	36	43	38	34	39	35	32	32	32	32	32	32	32	29													
7	62	49	41	36	59	47	40	34	43	37	32	39	34	30	36	31	28	28	28	28	28	28	28	26													
8	58	45	37	32	55	43	36	31	40	33	29	36	31	27	33	29	25	25	25	25	25	25	25	23													
9	54	41	34	28	51	40	33	28	36	30	26	33	28	25	31	26	23	23	23	23	23	23	23	21													
10	50	38	31	26	48	37	30	25	34	28	24	31	26	22	28	24	21	21	21	21	21	21	21	19													

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

	0°	45°	90°
0°	17445	17445	17445
5°	17363	17375	17475
10°	17287	17261	17261
15°	17022	17022	16919
20°	16746	16574	16429
25°	16323	16118	15831
30°	15924	15509	15136
35°	15504	14929	14400
40°	14945	14233	13619
45°	14439	13615	12774
50°	13917	12876	11951
55°	13350	12161	11168
60°	12737	11423	10284
65°	12020	10583	9352
70°	11193	9600	8332
75°	10149	8426	7421
80°	8848	7063	6565
85°	6822	5972	5972

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 14439 cd/sqm



TEST NUMBER: P1439146

CATALOG NUMBER: CB3-030U-085D-940-1D-UNV-STD-W-8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	290.9	2.8
10°-20°	817.4	7.9
20°-30°	1187.6	11.5
30°-40°	1350.2	13.1
40°-50°	1310.8	12.7
50°-60°	1106.6	10.7
60°-70°	787.3	7.6
70°-80°	420.7	4.1
80°-90°	111.2	1.1
90°-100°	23.0	0.2
100°-110°	166.9	1.6
110°-120°	396.7	3.8
120°-130°	506.8	4.9
130°-140°	546.7	5.3
140°-150°	515.3	5.0
150°-160°	420.4	4.1
160°-170°	273.9	2.7
170°-180°	94.7	0.9
0°-30°	2295.9	22.2
0°-40°	3646.2	35.3
0°-60°	6063.6	58.7
0°-90°	7382.8	71.5
90°-120°	586.6	5.7
90°-150°	2155.4	20.9
90°-180°	2944.0	28.5
0°-180°	10327.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3084	3084	3084	3084	3084	
5°	3057	3096	3060	3056	3077	290
15°	2906	2932	2906	2889	2889	819
25°	2615	2624	2582	2547	2536	1205
35°	2245	2224	2162	2098	2085	1399
45°	1805	1777	1702	1620	1597	1392
55°	1354	1317	1233	1154	1132	1210
65°	898	866	791	720	699	889
75°	464	439	386	346	340	495
85°	105	97	92	92	92	125
90°	0	0	0	1	0	6
95°	42	8	10	10	10	52
105°	211	214	217	16	16	223
115°	396	399	400	406	408	391
125°	563	567	565	572	575	503
135°	708	711	705	711	715	545
145°	823	828	818	823	828	515
155°	912	919	907	909	915	421
165°	972	977	967	964	971	274
175°	1000	1005	992	986	989	95
180°	998	998	998	998	998	

TEST NUMBER: P1439146

CATALOG NUMBER: CB3-030U-085D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3083.7	3083.7	3083.7	3083.7	3083.7
2.5°	3067.9	3098.8	3071.4	3075.1	3081.9
5°	3057.4	3096.0	3059.6	3055.7	3077.1
7.5°	3033.8	3068.9	3031.1	3022.4	3041.6
10°	3009.2	3047.8	3004.8	2994.1	3004.8
12.5°	2965.4	3005.7	2971.6	2953.8	2962.8
15°	2906.3	2932.0	2906.3	2888.8	2888.8
17.5°	2834.0	2861.0	2812.6	2800.2	2795.5
20°	2781.5	2805.0	2753.0	2735.3	2728.9
22.5°	2711.4	2733.2	2689.9	2659.9	2651.8
25°	2615.0	2623.6	2582.1	2546.9	2536.2
27.5°	2518.2	2520.3	2463.4	2420.6	2406.5
30°	2437.6	2439.7	2374.1	2327.9	2317.1
32.5°	2357.0	2350.6	2288.2	2233.3	2226.0
35°	2244.9	2223.5	2161.6	2097.8	2085.0
37.5°	2109.5	2096.7	2023.7	1959.7	1940.4
40°	2023.7	2002.3	1927.3	1863.4	1844.1
42.5°	1937.8	1913.0	1836.2	1765.2	1744.2
45°	1804.7	1776.8	1701.7	1620.2	1596.6
47.5°	1670.6	1640.2	1557.6	1478.6	1452.5
50°	1581.3	1549.1	1463.0	1385.7	1357.9
52.5°	1490.2	1456.3	1370.1	1291.2	1268.5
55°	1353.5	1317.1	1233.0	1153.7	1132.3
57.5°	1216.8	1180.9	1097.2	1022.2	996.5
60°	1125.7	1091.5	1009.6	934.6	908.9
62.5°	1032.9	1000.3	920.3	847.0	823.0
65°	897.9	865.8	790.6	720.1	698.6
67.5°	764.4	736.9	662.7	598.0	580.8
70°	676.7	651.0	580.4	520.9	503.7
72.5°	592.6	565.2	498.0	447.4	435.4
75°	464.3	438.6	385.5	345.9	339.5
77.5°	346.9	325.9	279.9	257.5	254.1
80°	271.6	252.3	216.8	201.5	201.5
82.5°	201.5	185.6	162.5	155.9	155.9
85°	105.1	96.6	92.0	92.0	92.0
87.5°	31.5	31.5	29.8	28.2	28.0
90°	0.0	0.0	0.0	0.7	0.0
92.5°	11.4	4.4	3.6	4.4	4.2
95°	42.1	7.6	9.8	10.5	10.5
97.5°	84.8	83.2	11.4	13.7	13.8
100°	117.3	121.0	12.0	14.3	15.0
102.5°	153.4	156.5	22.3	14.9	15.6
105°	211.3	214.2	217.3	15.8	16.5
107.5°	268.9	271.1	273.1	245.8	92.0
110°	306.8	309.0	309.8	317.3	318.8

TEST NUMBER: P1439146

CATALOG NUMBER: CB3-030U-085D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	342.2	345.0	346.4	352.8	355.5
115°	396.2	399.2	400.0	406.0	408.2
117.5°	447.5	450.6	452.0	456.9	460.4
120°	481.2	484.9	485.7	491.8	494.7
122.5°	514.3	518.5	518.2	523.7	527.8
125°	563.1	566.8	565.4	571.5	575.2
127.5°	609.6	611.8	608.7	616.1	619.2
130°	639.1	641.3	637.6	644.4	648.1
132.5°	666.1	669.5	665.2	671.5	675.2
135°	707.5	711.2	705.2	710.6	715.0
137.5°	744.3	748.7	741.6	747.9	751.7
140°	768.4	772.8	763.9	770.7	775.1
142.5°	790.6	796.2	785.5	791.8	796.8
145°	823.3	828.4	818.0	823.4	827.8
147.5°	854.2	858.6	848.7	852.5	855.6
150°	872.9	877.3	866.1	870.0	873.6
152.5°	887.9	894.1	883.0	885.6	891.1
155°	912.0	919.3	906.7	909.1	915.0
157.5°	934.1	940.7	928.1	930.1	935.3
160°	947.3	953.9	941.3	942.2	947.3
162.5°	957.5	963.6	952.7	951.2	957.5
165°	972.1	977.3	966.9	964.0	970.6
167.5°	984.3	990.2	977.4	975.0	982.5
170°	990.9	996.8	983.4	979.8	987.9
172.5°	995.1	1000.4	987.6	982.8	989.1
175°	999.9	1005.1	991.7	986.5	989.4
177.5°	1001.3	1005.4	994.7	990.0	997.1
180°	997.7	997.7	997.7	997.7	997.7



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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	18.87	19.95	19.62	20.72	21.65	17.79	18.87	18.54	19.64	20.57
	3H	20.55	21.52	21.32	22.30	23.26	19.22	20.19	19.99	20.97	21.93
	4H	21.20	22.11	21.98	22.90	23.87	19.75	20.66	20.53	21.45	22.42
	6H	21.59	22.43	22.39	23.23	24.21	20.08	20.92	20.87	21.72	22.70
	8H	21.73	22.53	22.54	23.35	24.34	20.21	21.01	21.01	21.83	22.81
	12H	21.81	22.57	22.62	23.38	24.39	20.29	21.05	21.10	21.86	22.88
4H	2H	19.31	20.22	20.09	21.01	21.98	18.45	19.36	19.23	20.15	21.12
	3H	21.21	21.97	22.01	22.80	23.79	20.09	20.84	20.88	21.67	22.66
	4H	21.97	22.66	22.78	23.49	24.50	20.70	21.39	21.51	22.21	23.23
	6H	22.49	23.08	23.32	23.93	24.95	21.13	21.72	21.95	22.57	23.59
	8H	22.68	23.24	23.52	24.08	25.12	21.30	21.86	22.13	22.70	23.73
	12H	22.79	23.29	23.64	24.16	25.19	21.42	21.92	22.27	22.78	23.82
8H	4H	22.12	22.68	22.95	23.52	24.55	20.98	21.54	21.81	22.38	23.41
	6H	22.75	23.21	23.61	24.09	25.13	21.52	21.98	22.38	22.86	23.90
	8H	23.02	23.43	23.90	24.31	25.36	21.77	22.18	22.64	23.06	24.11
	12H	23.20	23.56	24.07	24.43	25.54	21.96	22.32	22.83	23.19	24.29
12H	4H	22.10	22.60	22.95	23.47	24.51	20.99	21.49	21.84	22.36	23.40
	6H	22.76	23.17	23.64	24.05	25.11	21.57	21.99	22.45	22.87	23.92
	8H	23.07	23.43	23.95	24.31	25.41	21.87	22.23	22.74	23.10	24.21