

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: P1439258

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439258
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-085D-940-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

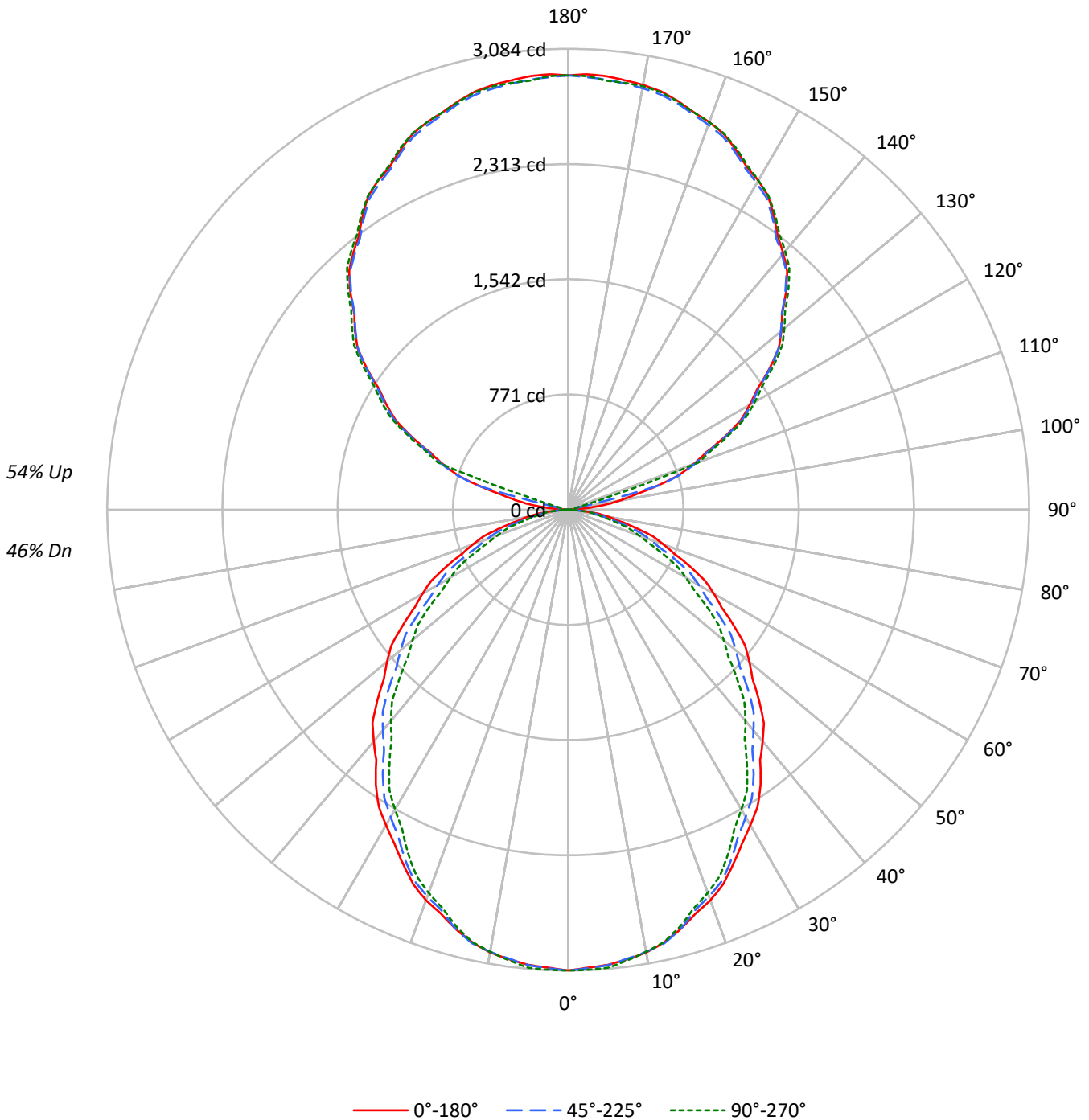
Lumens per Lamp: N/A
Luminaire Lumens: 15959.9 lumens
Efficiency: N/A
Efficacy: 147.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 108.3
Input Voltage (V): 120
Input Current (A_{in}): 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	106	106	106	106	98	98	98	98	81	81	81	66	66	66	53	53	53	46				
1	97	93	89	86	89	85	82	79	71	69	67	59	57	56	47	46	45	39				
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	41	40	38	33				
3	81	72	64	59	74	66	60	55	56	51	47	46	42	40	37	35	33	28				
4	74	63	56	50	68	59	52	46	49	44	40	41	37	34	33	30	28	24				
5	68	57	49	43	62	52	45	40	44	39	35	37	33	30	30	27	25	21				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19				
7	58	46	38	32	53	43	36	31	36	31	27	30	26	23	25	22	19	17				
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	26	21	19	21	18	16	14				
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	20	17	14	12				

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.9	1.8
10°-20°	817.4	5.1
20°-30°	1187.6	7.4
30°-40°	1350.2	8.5
40°-50°	1310.8	8.2
50°-60°	1106.6	6.9
60°-70°	787.3	4.9
70°-80°	420.7	2.6
80°-90°	111.2	0.7
90°-100°	67.1	0.4
100°-110°	486.0	3.0
110°-120°	1155.6	7.2
120°-130°	1476.3	9.3
130°-140°	1592.4	10.0
140°-150°	1501.2	9.4
150°-160°	1224.6	7.7
160°-170°	797.9	5.0
170°-180°	275.8	1.7
0°-30°	2295.9	14.4
0°-40°	3646.2	22.8
0°-60°	6063.6	38.0
0°-90°	7382.8	46.3
90°-120°	1708.7	10.7
90°-150°	6278.7	39.3
90°-180°	8577.0	53.7
0°-180°	15959.9	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	2	0	9
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°	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	28.5	28.0
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	16.72	17.54	17.72	18.55	19.87	15.65	16.47	16.64	17.47	18.79
	3H	18.39	19.12	19.39	20.13	21.48	17.06	17.79	18.06	18.80	20.15
	4H	19.02	19.71	20.03	20.72	22.08	17.57	18.27	18.59	19.28	20.63
	6H	19.40	20.04	20.42	21.06	22.42	17.89	18.53	18.91	19.55	20.91
	8H	19.54	20.14	20.57	21.18	22.54	18.01	18.62	19.04	19.65	21.01
	12H	19.60	20.18	20.64	21.21	22.59	18.08	18.66	19.12	19.69	21.08
4H	2H	17.13	17.82	18.15	18.84	20.19	16.27	16.96	17.29	17.98	19.33
	3H	19.01	19.59	20.04	20.63	22.00	17.88	18.46	18.91	19.50	20.87
	4H	19.76	20.29	20.80	21.32	22.71	18.49	19.02	19.53	20.05	21.44
	6H	20.26	20.72	21.31	21.77	23.16	18.90	19.35	19.95	20.41	21.80
	8H	20.45	20.88	21.50	21.93	23.33	19.07	19.49	20.12	20.54	21.94
	12H	20.55	20.93	21.61	21.99	23.40	19.17	19.56	20.24	20.62	22.03
8H	4H	19.89	20.31	20.93	21.36	22.76	18.75	19.17	19.80	20.22	21.62
	6H	20.50	20.85	21.57	21.95	23.34	19.27	19.63	20.35	20.72	22.12
	8H	20.78	21.09	21.86	22.16	23.58	19.53	19.83	20.60	20.91	22.33
	12H	20.94	21.21	22.02	22.28	23.74	19.70	19.97	20.78	21.04	22.50
12H	4H	19.86	20.24	20.92	21.31	22.71	18.75	19.13	19.81	20.20	21.60
	6H	20.52	20.83	21.60	21.90	23.32	19.33	19.64	20.41	20.72	22.13
	8H	20.82	21.09	21.90	22.16	23.62	19.61	19.88	20.69	20.95	22.41