

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: P1439578

Luminaire Tested: CB3-D-085U-085D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439578
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-085D-927-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

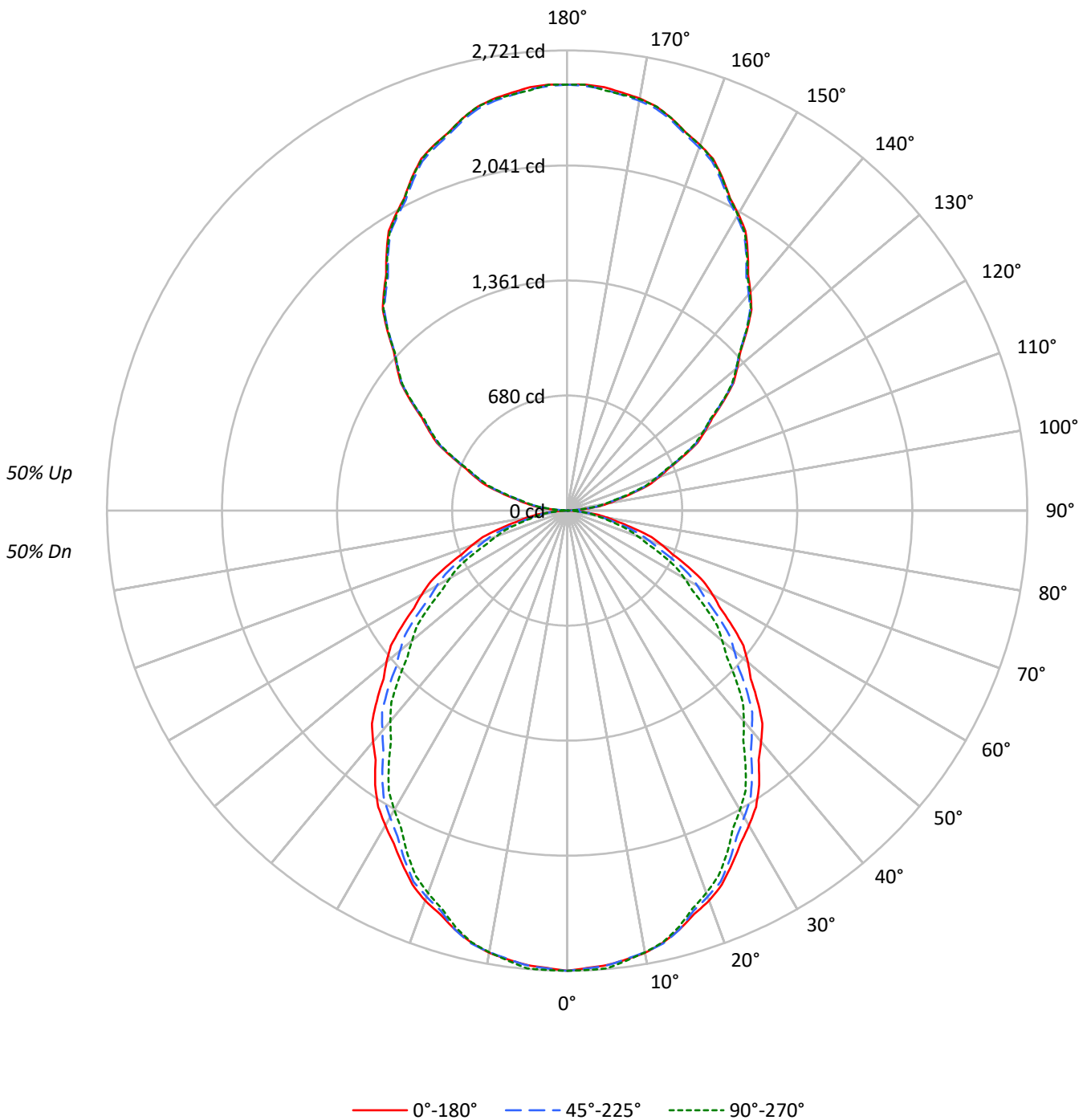
Lumens per Lamp: N/A
Luminaire Lumens: 13002.6 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

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										
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	50	30	10	0														
RCR																																						
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50																				
1	98	94	90	86	90	87	83	80	73	71	69	61	60	58	50	49	48	43																				
2	89	82	76	71	82	76	71	66	65	61	57	54	51	49	44	42	41	36																				
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35	31																				
4	75	64	56	50	69	59	53	47	51	46	41	43	39	36	35	32	30	26																				
5	69	57	49	43	63	53	46	41	46	40	36	38	34	31	32	29	26	23																				
6	63	51	43	38	58	48	41	35	41	35	31	35	30	27	29	26	23	20																				
7	59	46	39	33	54	43	36	31	37	32	28	32	27	24	26	23	21	18																				
8	54	42	34	29	50	39	32	28	34	29	25	29	25	22	24	21	19	16																				
9	51	39	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17	15																				
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	13																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15395	15395	15395
5°	15322	15332	15431
10°	15255	15232	15232
15°	15021	15021	14931
20°	14778	14627	14487
25°	14394	14213	13960
30°	14042	13676	13348
35°	13672	13165	12698
40°	13179	12551	12009
45°	12732	12006	11264
50°	12272	11354	10539
55°	11772	10724	9848
60°	11232	10073	9069
65°	10599	9333	8247
70°	9872	8466	7347
75°	8949	7430	6542
80°	7803	6229	5789
85°	6017	5264	5264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12732 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.8	2.0
10°-20°	721.3	5.5
20°-30°	1047.5	8.1
30°-40°	1190.6	9.2
40°-50°	1155.8	8.9
50°-60°	975.9	7.5
60°-70°	694.3	5.3
70°-80°	371.0	2.9
80°-90°	98.0	0.8
90°-100°	106.4	0.8
100°-110°	416.4	3.2
110°-120°	742.2	5.7
120°-130°	1004.4	7.7
130°-140°	1154.7	8.9
140°-150°	1158.7	8.9
150°-160°	996.4	7.7
160°-170°	674.5	5.2
170°-180°	237.9	1.8
0°-30°	2025.5	15.6
0°-40°	3216.2	24.7
0°-60°	5347.9	41.1
0°-90°	6511.2	50.1
90°-120°	1265.0	9.7
90°-150°	4582.7	35.2
90°-180°	6491.0	49.9
0°-180°	13002.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2721	2721	2721	2721	2721	
5°	2698	2732	2700	2696	2717	256
15°	2565	2587	2565	2549	2549	722
25°	2306	2314	2277	2246	2236	1063
35°	1980	1961	1906	1850	1839	1234
45°	1591	1567	1501	1429	1408	1227
55°	1194	1161	1087	1017	998	1067
65°	792	764	697	635	616	784
75°	409	387	340	305	299	436
85°	93	85	81	81	81	110
90°	0	0	0	0	0	8
95°	102	93	83	77	79	117
105°	404	402	388	382	378	431
115°	757	761	744	742	740	750
125°	1128	1141	1118	1114	1116	1008
135°	1502	1518	1493	1482	1497	1158
145°	1862	1877	1846	1837	1854	1163
155°	2173	2192	2155	2146	2169	999
165°	2399	2419	2387	2374	2399	676
175°	2513	2535	2501	2486	2495	238
180°	2518	2518	2518	2518	2518	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2721.2	2721.2	2721.2	2721.2	2721.2
2.5°	2707.3	2734.5	2710.4	2713.6	2719.6
5°	2698.0	2732.0	2699.9	2696.5	2717.3
7.5°	2677.1	2708.1	2674.8	2667.1	2684.1
10°	2655.5	2689.5	2651.6	2642.2	2651.6
12.5°	2616.9	2652.4	2622.3	2606.6	2614.6
15°	2564.7	2587.4	2564.7	2549.3	2549.3
17.5°	2501.0	2524.8	2482.1	2471.2	2466.6
20°	2454.7	2475.4	2429.6	2413.9	2406.4
22.5°	2392.9	2412.1	2373.9	2345.9	2338.4
25°	2305.9	2313.5	2277.0	2245.9	2236.4
27.5°	2220.6	2222.5	2172.3	2134.6	2122.1
30°	2149.5	2151.4	2093.5	2052.7	2043.3
32.5°	2078.4	2072.8	2017.8	1969.4	1963.0
35°	1979.6	1960.7	1906.2	1849.9	1838.6
37.5°	1860.2	1848.9	1784.5	1728.1	1711.1
40°	1784.5	1765.6	1699.5	1643.1	1626.1
42.5°	1708.8	1686.9	1619.2	1556.6	1538.1
45°	1591.4	1566.8	1500.6	1428.7	1407.9
47.5°	1473.2	1446.4	1373.5	1303.9	1280.8
50°	1394.4	1366.1	1290.1	1221.9	1197.4
52.5°	1314.0	1284.2	1208.2	1138.6	1118.6
55°	1193.5	1161.4	1087.3	1017.4	998.5
57.5°	1073.0	1041.3	967.6	901.4	878.7
60°	992.7	962.5	890.3	824.1	801.5
62.5°	910.8	882.1	811.5	746.9	725.8
65°	791.8	763.5	697.2	635.0	616.1
67.5°	674.0	649.8	584.4	527.3	512.2
70°	596.8	574.1	511.8	459.3	444.2
72.5°	522.6	498.4	439.2	394.5	383.9
75°	409.4	386.8	339.9	305.0	299.3
77.5°	305.9	287.4	246.8	227.0	224.0
80°	239.5	222.5	191.2	177.7	177.7
82.5°	177.7	163.7	143.3	137.5	137.5
85°	92.7	85.1	81.1	81.1	81.1
87.5°	27.8	27.8	26.3	24.7	24.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	27.8	24.8	15.5	12.4	12.4
95°	102.4	92.9	83.0	77.3	79.2
97.5°	188.9	179.8	167.6	161.9	163.4
100°	249.1	241.6	227.9	222.1	222.1
102.5°	307.8	303.3	289.7	283.9	285.4
105°	403.6	401.7	388.2	382.3	378.5
107.5°	509.5	506.1	490.9	490.5	487.1
110°	577.5	575.6	562.0	560.0	558.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	647.0	649.6	634.6	632.6	630.8
115°	757.1	760.8	743.5	741.6	739.7
117.5°	869.8	875.1	856.7	854.7	851.3
120°	942.5	953.8	930.9	928.9	927.0
122.5°	1016.6	1026.4	1005.0	1001.6	1001.2
125°	1127.9	1141.1	1118.2	1114.4	1116.3
127.5°	1239.1	1252.7	1231.4	1223.8	1227.9
130°	1313.3	1328.4	1305.5	1297.9	1303.6
132.5°	1389.0	1404.1	1381.3	1373.7	1382.4
135°	1502.5	1517.6	1492.9	1481.6	1496.7
137.5°	1613.4	1626.6	1599.5	1591.7	1607.6
140°	1686.0	1699.2	1670.6	1661.3	1680.2
142.5°	1757.1	1771.8	1740.1	1730.9	1751.3
145°	1861.8	1876.9	1846.3	1837.0	1854.0
147.5°	1962.2	1977.7	1946.7	1935.9	1953.3
150°	2024.0	2041.0	2008.5	1999.3	2018.2
152.5°	2084.2	2102.7	2068.8	2058.1	2081.5
155°	2172.7	2191.6	2155.3	2146.2	2168.8
157.5°	2252.3	2269.6	2236.8	2227.6	2247.2
160°	2300.2	2319.0	2284.7	2275.6	2298.2
162.5°	2341.9	2360.8	2329.5	2317.3	2339.9
165°	2398.6	2419.4	2387.1	2374.1	2398.6
167.5°	2446.2	2468.4	2434.2	2422.4	2446.9
170°	2474.0	2494.7	2460.4	2445.6	2470.1
172.5°	2492.5	2513.3	2479.0	2463.9	2480.9
175°	2512.6	2535.3	2501.0	2485.8	2495.2
177.5°	2521.5	2539.6	2512.2	2498.8	2519.9
180°	2518.4	2518.4	2518.4	2518.4	2518.4



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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	16.65	17.50	17.61	18.48	19.75	15.57	16.42	16.53	17.40	18.67
	3H	18.32	19.08	19.29	20.06	21.36	16.99	17.75	17.96	18.73	20.02
	4H	18.95	19.67	19.93	20.65	21.96	17.50	18.22	18.49	19.21	20.51
	6H	19.33	20.00	20.33	20.99	22.30	17.82	18.49	18.82	19.48	20.79
	8H	19.47	20.10	20.47	21.11	22.42	17.94	18.58	18.94	19.58	20.89
	12H	19.54	20.14	20.54	21.14	22.47	18.02	18.62	19.02	19.62	20.96
4H	2H	17.06	17.78	18.05	18.77	20.07	16.20	16.92	17.19	17.91	19.21
	3H	18.95	19.55	19.95	20.56	21.88	17.82	18.42	18.82	19.43	20.75
	4H	19.70	20.25	20.70	21.25	22.59	18.42	18.97	19.43	19.98	21.32
	6H	20.20	20.67	21.22	21.70	23.04	18.84	19.31	19.85	20.34	21.68
	8H	20.39	20.83	21.41	21.85	23.21	19.01	19.45	20.03	20.47	21.82
	12H	20.49	20.88	21.52	21.92	23.28	19.11	19.51	20.15	20.55	21.90
8H	4H	19.82	20.27	20.84	21.29	22.64	18.69	19.13	19.70	20.15	21.50
	6H	20.44	20.81	21.49	21.87	23.22	19.21	19.58	20.26	20.64	21.99
	8H	20.72	21.04	21.77	22.09	23.46	19.47	19.79	20.52	20.84	22.21
	12H	20.88	21.16	21.94	22.21	23.62	19.64	19.92	20.70	20.97	22.38
12H	4H	19.80	20.20	20.83	21.23	22.59	18.69	19.09	19.72	20.12	21.48
	6H	20.46	20.78	21.51	21.83	23.20	19.27	19.59	20.32	20.64	22.01
	8H	20.76	21.04	21.81	22.09	23.50	19.55	19.83	20.61	20.88	22.29