

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: P1439592

Luminaire Tested: CB3-D-085U-120D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439592
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-120D-940-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

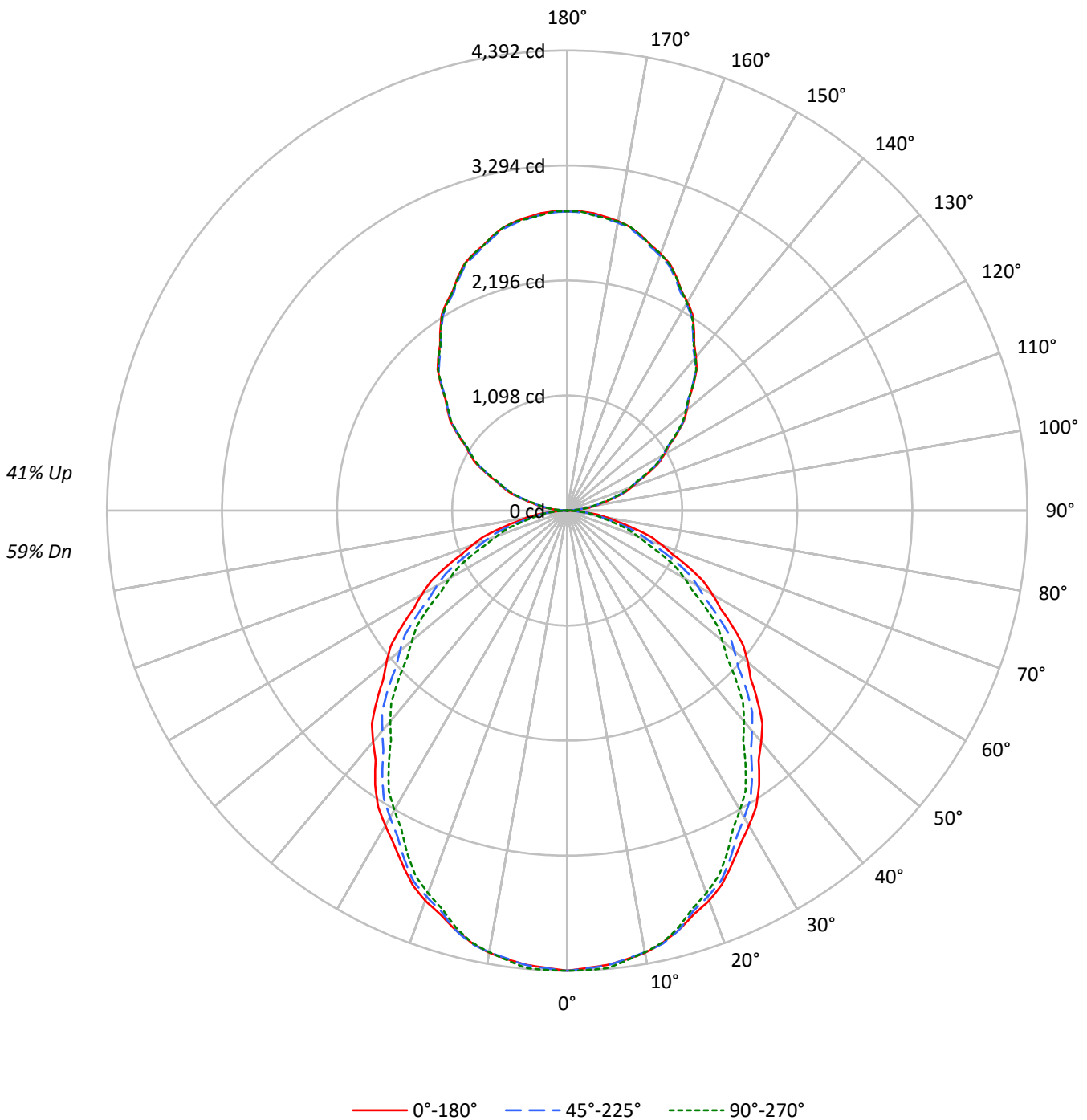
Lumens per Lamp: N/A
Luminaire Lumens: 17872.3 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 133.1
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									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	109	109	109	109	102	102	102	102	88	88	88	76	76	76	64	64	64	59																			
1	100	96	92	88	93	89	86	83	78	75	73	67	65	64	57	56	55	50																			
2	91	84	78	73	85	78	73	69	68	64	61	59	56	53	51	48	46	42																			
3	83	74	67	61	78	69	63	58	61	55	51	52	49	45	45	42	40	36																			
4	76	66	58	52	71	62	54	49	54	48	44	47	43	39	40	37	34	31																			
5	70	59	50	44	65	55	48	42	48	43	38	42	38	34	36	33	30	27																			
6	65	53	45	39	60	50	42	37	44	38	33	38	34	30	33	29	27	24																			
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	30	27	24	21																			
8	56	43	36	30	52	41	34	29	36	31	26	32	27	24	28	24	21	19																			
9	52	40	32	27	49	38	31	26	33	28	24	29	25	21	26	22	19	17																			
10	49	36	29	24	45	35	28	23	31	25	21	27	23	20	24	20	18	16																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24847	24847	24847
5°	24729	24747	24901
10°	24621	24585	24585
15°	24244	24244	24098
20°	23851	23607	23387
25°	23237	22945	22537
30°	22668	22077	21548
35°	22070	21252	20499
40°	21275	20262	19387
45°	20554	19381	18184
50°	19811	18330	17013
55°	19004	17313	15898
60°	18132	16262	14640
65°	17112	15066	13314
70°	15935	13666	11861
75°	14448	11994	10564
80°	12595	10057	9344
85°	9717	8497	8497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20554 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.4	2.3
10°-20°	1164.2	6.5
20°-30°	1690.9	9.5
30°-40°	1922.1	10.8
40°-50°	1865.9	10.4
50°-60°	1575.4	8.8
60°-70°	1120.8	6.3
70°-80°	598.9	3.4
80°-90°	158.2	0.9
90°-100°	120.7	0.7
100°-110°	472.2	2.6
110°-120°	841.7	4.7
120°-130°	1139.0	6.4
130°-140°	1309.4	7.3
140°-150°	1314.0	7.4
150°-160°	1130.0	6.3
160°-170°	764.9	4.3
170°-180°	269.8	1.5
0°-30°	3269.5	18.3
0°-40°	5191.6	29.0
0°-60°	8632.9	48.3
0°-90°	10510.8	58.8
90°-120°	1434.5	8.0
90°-150°	5196.9	29.1
90°-180°	7362.0	41.2
0°-180°	17872.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4392	4392	4392	4392	4392	
5°	4355	4409	4358	4352	4385	413
15°	4139	4176	4139	4114	4114	1166
25°	3723	3735	3676	3626	3610	1715
35°	3196	3165	3077	2986	2968	1991
45°	2569	2529	2422	2306	2273	1982
55°	1927	1875	1755	1642	1612	1723
65°	1278	1232	1126	1025	995	1266
75°	661	624	549	492	483	705
85°	150	138	131	131	131	177
90°	0	0	0	0	0	10
95°	116	105	94	88	90	132
105°	458	456	440	434	429	489
115°	858	863	843	841	839	851
125°	1279	1294	1268	1264	1266	1144
135°	1704	1721	1693	1680	1697	1314
145°	2111	2128	2094	2083	2102	1319
155°	2464	2485	2444	2434	2460	1133
165°	2720	2744	2707	2692	2720	766
175°	2849	2875	2836	2819	2830	270
180°	2856	2856	2856	2856	2856	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4392.0	4392.0	4392.0	4392.0	4392.0
2.5°	4369.5	4413.4	4374.5	4379.7	4389.5
5°	4354.6	4409.4	4357.7	4352.2	4384.8
7.5°	4320.9	4370.9	4317.2	4304.7	4332.1
10°	4286.0	4340.8	4279.7	4264.5	4279.7
12.5°	4223.6	4280.9	4232.3	4207.1	4219.9
15°	4139.4	4176.0	4139.4	4114.5	4114.5
17.5°	4036.6	4075.0	4006.0	3988.4	3981.2
20°	3961.7	3995.3	3921.2	3896.0	3884.7
22.5°	3862.0	3893.1	3831.4	3787.0	3775.0
25°	3722.6	3734.8	3675.8	3625.6	3610.4
27.5°	3584.8	3587.8	3506.8	3445.9	3425.8
30°	3470.1	3473.1	3379.6	3313.8	3298.6
32.5°	3355.3	3346.2	3257.4	3179.2	3168.9
35°	3195.7	3165.2	3077.2	2986.4	2968.1
37.5°	3003.0	2984.7	2880.8	2789.8	2762.3
40°	2880.8	2850.3	2743.6	2652.6	2625.1
42.5°	2758.6	2723.2	2613.9	2512.8	2483.0
45°	2569.0	2529.4	2422.5	2306.4	2272.8
47.5°	2378.2	2334.9	2217.3	2104.9	2067.7
50°	2251.0	2205.3	2082.7	1972.6	1933.0
52.5°	2121.3	2073.1	1950.5	1838.1	1805.8
55°	1926.8	1874.9	1755.3	1642.4	1611.9
57.5°	1732.2	1681.0	1562.0	1455.2	1418.6
60°	1602.5	1553.7	1437.3	1330.4	1293.9
62.5°	1470.3	1424.0	1310.1	1205.8	1171.6
65°	1278.3	1232.5	1125.5	1025.0	994.6
67.5°	1088.1	1049.1	943.4	851.2	826.8
70°	963.4	926.8	826.2	741.5	717.1
72.5°	843.7	804.6	709.0	636.9	619.8
75°	661.0	624.4	548.7	492.4	483.3
77.5°	493.9	464.0	398.4	366.5	361.7
80°	386.6	359.2	308.7	286.8	286.8
82.5°	286.8	264.3	231.3	222.0	222.0
85°	149.7	137.5	130.9	130.9	130.9
87.5°	44.9	44.9	42.4	39.9	39.9
90°	0.0	0.0	0.0	0.0	0.0
92.5°	31.5	28.1	17.5	14.0	14.0
95°	116.1	105.4	94.2	87.7	89.8
97.5°	214.2	203.9	190.1	183.6	185.3
100°	282.5	274.0	258.4	251.9	251.9
102.5°	349.1	344.0	328.5	322.0	323.7
105°	457.7	455.6	440.2	433.5	429.3
107.5°	577.8	573.9	556.7	556.2	552.3
110°	654.8	652.7	637.3	635.1	632.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	733.7	736.7	719.7	717.4	715.3
115°	858.5	862.8	843.2	841.0	838.8
117.5°	986.4	992.4	971.5	969.3	965.4
120°	1068.8	1081.6	1055.6	1053.4	1051.3
122.5°	1152.9	1164.0	1139.7	1135.8	1135.4
125°	1279.0	1294.0	1268.1	1263.7	1265.9
127.5°	1405.2	1420.6	1396.4	1387.8	1392.5
130°	1489.3	1506.4	1480.5	1471.9	1478.3
132.5°	1575.1	1592.3	1566.4	1557.8	1567.7
135°	1703.9	1721.0	1693.0	1680.2	1697.3
137.5°	1829.6	1844.6	1813.9	1805.1	1823.1
140°	1912.0	1927.0	1894.5	1884.0	1905.4
142.5°	1992.6	2009.3	1973.3	1962.9	1986.0
145°	2111.3	2128.4	2093.8	2083.2	2102.5
147.5°	2225.2	2242.7	2207.6	2195.4	2215.1
150°	2295.2	2314.5	2277.7	2267.3	2288.7
152.5°	2363.6	2384.6	2346.1	2334.0	2360.5
155°	2463.9	2485.3	2444.2	2433.8	2459.5
157.5°	2554.1	2573.8	2536.6	2526.1	2548.4
160°	2608.4	2629.8	2590.9	2580.5	2606.2
162.5°	2655.7	2677.2	2641.7	2627.8	2653.5
165°	2720.1	2743.7	2707.0	2692.3	2720.1
167.5°	2774.0	2799.3	2760.4	2747.0	2774.9
170°	2805.5	2829.1	2790.2	2773.3	2801.2
172.5°	2826.6	2850.1	2811.2	2794.2	2813.4
175°	2849.3	2875.0	2836.2	2818.9	2829.6
177.5°	2859.4	2880.0	2848.9	2833.7	2857.7
180°	2855.9	2855.9	2855.9	2855.9	2855.9



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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	19.09	20.02	19.97	20.92	22.06	18.01	18.94	18.89	19.84	20.98
	3H	20.76	21.60	21.65	22.50	23.67	19.43	20.26	20.32	21.17	22.34
	4H	21.39	22.18	22.30	23.10	24.27	19.95	20.74	20.86	21.65	22.83
	6H	21.78	22.51	22.70	23.43	24.62	20.27	21.00	21.19	21.92	23.11
	8H	21.92	22.61	22.85	23.55	24.74	20.40	21.09	21.32	22.03	23.21
	12H	21.99	22.65	22.92	23.58	24.80	20.47	21.13	21.41	22.06	23.28
4H	2H	19.50	20.29	20.42	21.21	22.38	18.65	19.44	19.56	20.35	21.53
	3H	21.40	22.06	22.32	23.00	24.19	20.27	20.93	21.19	21.87	23.07
	4H	22.15	22.75	23.09	23.69	24.91	20.88	21.48	21.81	22.42	23.64
	6H	22.66	23.18	23.61	24.14	25.36	21.30	21.81	22.24	22.78	23.99
	8H	22.85	23.33	23.80	24.29	25.52	21.47	21.95	22.42	22.91	24.14
	12H	22.95	23.39	23.92	24.36	25.60	21.58	22.01	22.55	22.99	24.22
8H	4H	22.29	22.77	23.24	23.73	24.96	21.15	21.63	22.10	22.59	23.82
	6H	22.91	23.31	23.88	24.31	25.54	21.68	22.08	22.66	23.08	24.31
	8H	23.19	23.54	24.17	24.53	25.77	21.93	22.28	22.92	23.27	24.52
	12H	23.35	23.66	24.34	24.65	25.94	22.11	22.42	23.10	23.40	24.70
12H	4H	22.26	22.70	23.23	23.67	24.91	21.15	21.59	22.12	22.56	23.80
	6H	22.93	23.28	23.91	24.27	25.52	21.74	22.09	22.72	23.08	24.33
	8H	23.23	23.54	24.22	24.52	25.82	22.02	22.33	23.01	23.31	24.61