

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: P1439342

Luminaire Tested: CB3-125U-085D-830-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439342
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: CB3-125U-085D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

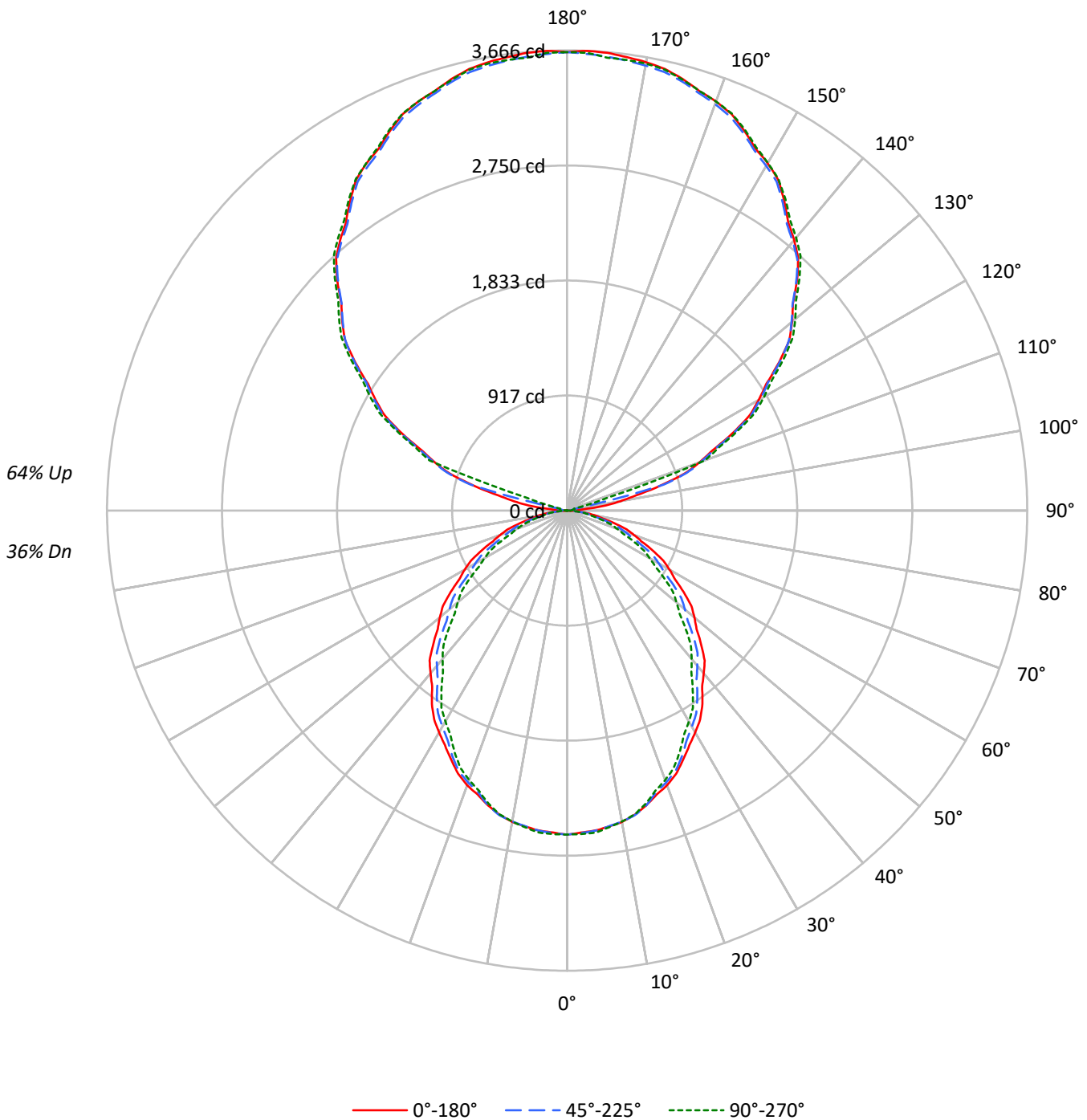
Lumens per Lamp: N/A
Luminaire Lumens: 16958.7 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 144.6
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

TEST NUMBER: P1439342

CATALOG NUMBER: CB3-125U-085D-830-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P1439342

CATALOG NUMBER: CB3-125U-085D-830-1D-UNV-STD-W-8

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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	36
1	95	91	87	84	86	82	79	76	67	64	62	52	51	49	39	38	37	31
2	86	79	73	68	78	72	67	63	58	55	52	46	43	41	34	33	31	26
3	79	70	63	57	71	63	57	53	52	47	44	41	38	35	30	29	27	22
4	72	62	54	48	65	56	50	45	46	41	37	36	33	30	27	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17
6	61	49	41	36	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	37	31	51	41	34	29	33	28	25	27	23	20	20	18	16	13
8	52	40	33	28	47	37	30	26	30	25	22	24	21	18	19	16	14	12
9	49	37	29	25	44	34	27	23	28	23	19	22	19	16	17	15	13	11
10	45	34	27	22	41	31	25	20	26	21	18	21	17	15	16	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14602	14602	14602
5°	14533	14543	14627
10°	14469	14448	14448
15°	14247	14247	14161
20°	14016	13873	13751
25°	13663	13491	13251
30°	13328	12981	12670
35°	12977	12496	12052
40°	12509	11914	11399
45°	12085	11395	10692
50°	11648	10777	10003
55°	11174	10180	9347
60°	10661	9562	8608
65°	10061	8859	7828
70°	9369	8036	6974
75°	8494	7051	6210
80°	7405	5913	5493
85°	5712	4998	4998

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12085 cd/sqm



TEST NUMBER: P1439342

CATALOG NUMBER: CB3-125U-085D-830-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.5	1.4
10°-20°	684.2	4.0
20°-30°	994.0	5.9
30°-40°	1130.1	6.7
40°-50°	1097.1	6.5
50°-60°	926.3	5.5
60°-70°	659.0	3.9
70°-80°	352.1	2.1
80°-90°	93.1	0.5
90°-100°	84.3	0.5
100°-110°	610.8	3.6
110°-120°	1452.2	8.6
120°-130°	1855.3	10.9
130°-140°	2001.3	11.8
140°-150°	1886.6	11.1
150°-160°	1539.1	9.1
160°-170°	1002.8	5.9
170°-180°	346.7	2.0
0°-30°	1921.7	11.3
0°-40°	3051.9	18.0
0°-60°	5075.2	29.9
0°-90°	6179.5	36.4
90°-120°	2147.4	12.7
90°-150°	7890.7	46.5
90°-180°	10779.0	63.6
0°-180°	16958.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2581	2581	2581	2581	2581	
5°	2559	2591	2561	2558	2576	243
15°	2433	2454	2433	2418	2418	685
25°	2189	2196	2161	2132	2123	1008
35°	1879	1861	1809	1756	1745	1171
45°	1510	1487	1424	1356	1336	1165
55°	1133	1102	1032	966	948	1013
65°	752	725	662	603	585	744
75°	389	367	323	290	284	414
85°	88	81	77	77	77	104
90°	0	0	0	3	0	9
95°	154	28	36	38	38	190
105°	773	784	795	58	61	816
115°	1450	1461	1464	1486	1495	1431
125°	2062	2075	2070	2092	2106	1840
135°	2590	2604	2582	2601	2618	1995
145°	3014	3033	2995	3014	3030	1886
155°	3339	3366	3319	3328	3350	1540
165°	3559	3578	3540	3529	3553	1005
175°	3661	3680	3630	3611	3622	348
180°	3652	3652	3652	3652	3652	

TEST NUMBER: P1439342

CATALOG NUMBER: CB3-125U-085D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2581.1	2581.1	2581.1	2581.1	2581.1
2.5°	2567.9	2593.7	2570.8	2573.9	2579.6
5°	2559.1	2591.3	2560.9	2557.6	2575.6
7.5°	2539.3	2568.7	2537.1	2529.7	2545.9
10°	2518.7	2551.0	2515.1	2506.1	2515.1
12.5°	2482.1	2515.8	2487.2	2472.3	2479.9
15°	2432.6	2454.1	2432.6	2417.9	2417.9
17.5°	2372.1	2394.7	2354.1	2343.8	2339.8
20°	2328.1	2347.8	2304.3	2289.5	2284.1
22.5°	2269.4	2287.7	2251.5	2226.4	2219.6
25°	2188.8	2195.9	2161.3	2131.7	2122.8
27.5°	2107.7	2109.5	2061.9	2026.1	2014.3
30°	2040.3	2042.1	1987.1	1948.4	1939.5
32.5°	1972.8	1967.4	1915.3	1869.3	1863.2
35°	1879.0	1861.0	1809.3	1755.9	1745.1
37.5°	1765.7	1754.9	1693.8	1640.3	1624.2
40°	1693.8	1675.9	1613.2	1559.6	1543.5
42.5°	1622.0	1601.2	1536.9	1477.5	1459.9
45°	1510.5	1487.2	1424.3	1356.1	1336.4
47.5°	1398.3	1372.9	1303.7	1237.6	1215.7
50°	1323.5	1296.6	1224.5	1159.8	1136.5
52.5°	1247.3	1218.9	1146.8	1080.8	1061.8
55°	1132.9	1102.4	1032.1	965.7	947.7
57.5°	1018.5	988.4	918.4	855.6	834.1
60°	942.2	913.6	845.1	782.3	760.8
62.5°	864.5	837.3	770.3	709.0	688.9
65°	751.6	724.7	661.8	602.7	584.8
67.5°	639.8	616.8	554.7	500.5	486.1
70°	566.4	544.9	485.8	436.0	421.6
72.5°	496.0	473.1	416.9	374.5	364.4
75°	388.6	367.1	322.6	289.5	284.1
77.5°	290.4	272.8	234.3	215.5	212.6
80°	227.3	211.2	181.5	168.6	168.6
82.5°	168.6	155.4	136.0	130.5	130.5
85°	88.0	80.8	77.0	77.0	77.0
87.5°	26.4	26.4	24.9	24.0	23.5
90°	0.0	0.0	0.0	2.7	0.0
92.5°	41.8	16.0	13.2	16.0	15.4
95°	154.1	27.6	35.8	38.5	38.5
97.5°	310.5	304.6	41.8	50.1	50.6
100°	429.4	442.8	44.0	52.4	55.0
102.5°	561.5	572.8	81.5	54.6	57.3
105°	773.4	784.2	795.4	57.9	60.6
107.5°	984.3	992.3	999.7	899.9	336.9
110°	1123.0	1131.1	1134.0	1161.6	1167.0



TEST NUMBER: P1439342

CATALOG NUMBER: CB3-125U-085D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1252.9	1263.1	1268.3	1291.6	1301.3
115°	1450.5	1461.3	1464.3	1486.5	1494.6
117.5°	1638.2	1649.5	1654.7	1672.7	1685.6
120°	1761.5	1775.0	1778.1	1800.3	1811.1
122.5°	1882.6	1898.3	1897.0	1917.1	1932.2
125°	2061.6	2075.0	2069.8	2092.1	2105.6
127.5°	2231.6	2239.7	2228.3	2255.6	2266.9
130°	2339.5	2347.6	2334.0	2359.1	2372.6
132.5°	2438.6	2451.0	2435.3	2458.2	2471.7
135°	2590.0	2603.5	2581.8	2601.4	2617.5
137.5°	2724.9	2741.0	2715.0	2737.9	2751.9
140°	2813.0	2829.1	2796.4	2821.6	2837.7
142.5°	2894.4	2914.9	2875.7	2898.7	2917.0
145°	3013.9	3032.7	2994.6	3014.2	3030.4
147.5°	3127.3	3143.4	3106.9	3120.9	3132.2
150°	3195.5	3211.7	3170.8	3184.8	3198.3
152.5°	3250.6	3273.2	3232.4	3242.2	3262.1
155°	3338.7	3365.6	3319.4	3328.1	3349.7
157.5°	3419.6	3443.8	3397.6	3405.2	3424.0
160°	3468.0	3492.3	3446.0	3449.2	3468.0
162.5°	3505.5	3527.5	3487.8	3482.3	3505.5
165°	3558.9	3577.7	3539.6	3529.1	3553.4
167.5°	3603.4	3625.0	3578.1	3569.4	3596.8
170°	3627.7	3649.2	3600.1	3587.1	3616.7
172.5°	3643.1	3662.5	3615.6	3597.9	3621.1
175°	3660.7	3679.5	3630.4	3611.4	3622.2
177.5°	3665.7	3680.7	3641.4	3624.4	3650.2
180°	3652.4	3652.4	3652.4	3652.4	3652.4

TEST NUMBER: P1439342

CATALOG NUMBER: CB3-125U-085D-830-1D-UNV-STD-W-8

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	15.06	15.80	16.13	16.87	18.32	13.98	14.72	15.05	15.79	17.25
	3H	16.72	17.38	17.79	18.46	19.93	15.39	16.05	16.46	17.13	18.60
	4H	17.34	17.97	18.43	19.05	20.53	15.90	16.53	16.98	17.61	19.09
	6H	17.72	18.30	18.82	19.38	20.87	16.21	16.79	17.31	17.87	19.36
	8H	17.85	18.41	18.96	19.50	20.99	16.33	16.88	17.43	17.98	19.46
	12H	17.92	18.44	19.02	19.53	21.04	16.40	16.92	17.51	18.02	19.52
4H	2H	15.45	16.08	16.55	17.16	18.64	14.59	15.23	15.69	16.30	17.78
	3H	17.33	17.86	18.43	18.96	20.45	16.20	16.73	17.30	17.83	19.32
	4H	18.08	18.56	19.18	19.65	21.17	16.80	17.29	17.91	18.38	19.89
	6H	18.57	18.98	19.68	20.10	21.61	17.21	17.62	18.32	18.74	20.25
	8H	18.76	19.15	19.87	20.26	21.78	17.38	17.76	18.49	18.87	20.39
	12H	18.85	19.20	19.98	20.32	21.85	17.48	17.83	18.61	18.95	20.47
8H	4H	18.20	18.58	19.31	19.69	21.21	17.06	17.44	18.17	18.55	20.07
	6H	18.81	19.13	19.94	20.28	21.80	17.58	17.90	18.72	19.05	20.57
	8H	19.08	19.36	20.23	20.50	22.03	17.83	18.11	18.97	19.24	20.78
	12H	19.24	19.49	20.39	20.62	22.19	18.00	18.25	19.15	19.38	20.95
12H	4H	18.16	18.51	19.29	19.64	21.16	17.05	17.40	18.18	18.53	20.05
	6H	18.83	19.10	19.97	20.24	21.77	17.64	17.92	18.78	19.05	20.59
	8H	19.12	19.36	20.26	20.49	22.07	17.91	18.16	19.06	19.29	20.86