

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: P1438838

Luminaire Tested: CB2-125U-120D-835-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438838
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-125U-120D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

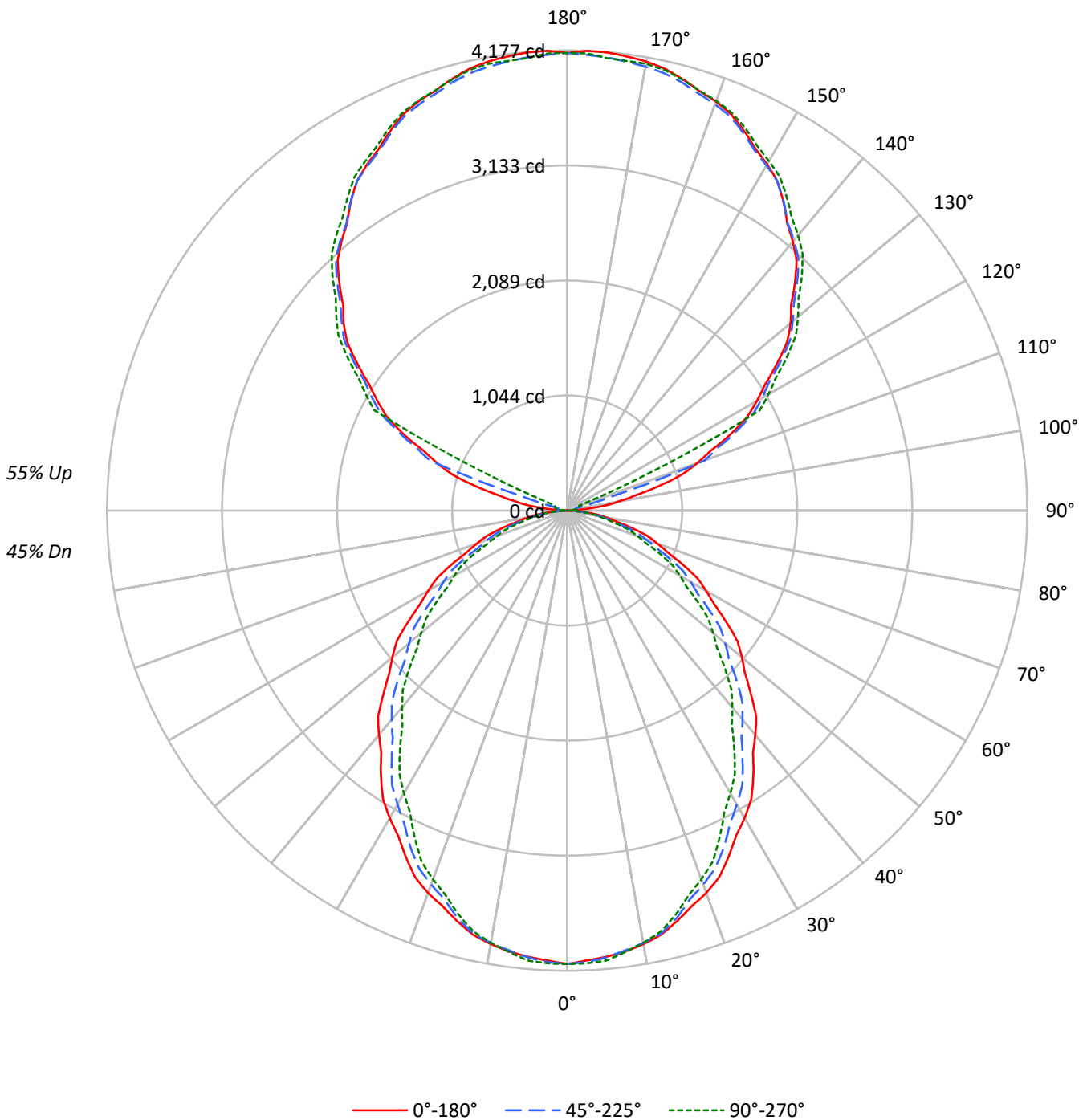
Lumens per Lamp: N/A
Luminaire Lumens: 21440.2 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 184.3
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

TEST NUMBER: P1438838

CATALOG NUMBER: CB2-125U-120D-835-1D-UNV-STD-W-8

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	97	97	97	97	80	80	80	65	65	65	51	51	51	45				
1	97	93	89	85	89	85	82	79	71	68	66	58	56	55	46	45	44	38				
2	88	81	75	70	81	74	69	65	62	58	55	51	48	46	40	39	37	32				
3	81	71	64	58	74	66	59	54	55	50	47	45	42	39	36	34	32	27				
4	74	63	55	50	67	58	51	46	49	44	40	40	37	34	32	30	27	24				
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24	21				
6	62	51	43	37	57	47	40	35	40	34	30	33	29	26	26	23	21	18				
7	58	46	38	32	53	42	35	30	36	30	27	30	26	23	24	21	19	16				
8	54	41	34	29	49	38	32	27	33	27	24	27	23	20	22	19	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	21	18	15	13				
10	47	35	28	23	43	32	26	22	28	23	19	23	19	17	19	16	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35845	35845	35845
5°	35541	35596	35845
10°	35339	35255	35228
15°	34780	34552	34268
20°	34232	33473	33005
25°	33312	32374	31465
30°	32390	30963	29791
35°	31328	29519	28111
40°	30203	28162	26513
45°	29073	26744	24958
50°	28053	25364	23441
55°	26797	23926	22012
60°	25361	22561	20586
65°	23833	21041	19158
70°	22150	19339	17335
75°	20148	17497	15693
80°	18019	15331	14223
85°	13859	12600	10392

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29073 cd/sqm



TEST NUMBER: P1438838

CATALOG NUMBER: CB2-125U-120D-835-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.1	1.8
10°-20°	1079.0	5.0
20°-30°	1551.4	7.2
30°-40°	1743.7	8.1
40°-50°	1684.4	7.9
50°-60°	1423.2	6.6
60°-70°	1022.3	4.8
70°-80°	558.7	2.6
80°-90°	148.6	0.7
90°-100°	72.4	0.3
100°-110°	460.6	2.1
110°-120°	1463.6	6.8
120°-130°	2123.9	9.9
130°-140°	2284.2	10.7
140°-150°	2150.6	10.0
150°-160°	1752.0	8.2
160°-170°	1140.4	5.3
170°-180°	394.2	1.8
0°-30°	3017.4	14.1
0°-40°	4761.1	22.2
0°-60°	7868.8	36.7
0°-90°	9598.4	44.8
90°-120°	1996.6	9.3
90°-150°	8555.3	39.9
90°-180°	11842.0	55.2
0°-180°	21440.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4116	4116	4116	4116	4116	
5°	4066	4121	4072	4072	4100	386
15°	3858	3892	3832	3795	3801	1087
25°	3467	3470	3369	3293	3274	1596
35°	2947	2913	2777	2669	2644	1841
45°	2361	2311	2172	2057	2026	1824
55°	1765	1700	1576	1478	1450	1578
65°	1157	1114	1021	948	930	1147
75°	599	562	520	479	466	641
85°	139	129	126	110	104	165
90°	0	0	0	3	3	12
95°	165	48	51	33	30	209
105°	865	897	90	105	111	911
115°	1637	1672	1688	1707	979	1609
125°	2324	2365	2366	2406	2438	2078
135°	2925	2960	2955	2974	3012	2256
145°	3423	3450	3426	3430	3474	2140
155°	3802	3825	3784	3776	3829	1753
165°	4054	4066	4024	4007	4048	1145
175°	4174	4183	4129	4102	4123	397
180°	4153	4153	4153	4153	4153	



TEST NUMBER: P1438838

CATALOG NUMBER: CB2-125U-120D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4116.0	4116.0	4116.0	4116.0	4116.0
2.5°	4088.3	4137.6	4100.9	4106.1	4113.5
5°	4065.6	4121.1	4071.9	4072.5	4100.3
7.5°	4036.6	4089.0	4027.2	4015.8	4041.7
10°	3996.3	4048.7	3986.8	3965.2	3983.7
12.5°	3943.3	3993.2	3933.9	3899.6	3915.6
15°	3857.6	3891.5	3832.4	3794.7	3800.9
17.5°	3764.3	3785.3	3700.0	3668.4	3662.2
20°	3693.7	3712.2	3611.8	3567.5	3561.3
22.5°	3602.9	3619.0	3513.4	3459.0	3450.4
25°	3466.8	3469.9	3369.1	3293.0	3274.5
27.5°	3324.3	3314.5	3202.7	3112.6	3088.6
30°	3221.0	3208.6	3079.1	2984.1	2962.5
32.5°	3110.0	3087.8	2958.1	2855.5	2833.9
35°	2946.8	2912.9	2776.6	2668.9	2644.2
37.5°	2772.8	2734.6	2600.7	2483.5	2455.8
40°	2656.8	2613.7	2477.2	2359.9	2332.2
42.5°	2540.8	2492.8	2353.6	2236.3	2206.1
45°	2360.6	2311.3	2171.5	2057.3	2026.5
47.5°	2189.1	2126.3	1990.6	1877.0	1846.2
50°	2070.6	2002.8	1872.1	1761.1	1730.2
52.5°	1949.6	1879.3	1753.6	1647.6	1616.8
55°	1764.9	1700.2	1575.8	1477.5	1449.8
57.5°	1582.1	1519.9	1406.3	1312.4	1285.2
60°	1456.1	1403.7	1295.3	1206.5	1181.9
62.5°	1335.0	1287.6	1184.4	1103.1	1078.5
65°	1156.6	1113.5	1021.1	948.2	929.7
67.5°	983.3	940.2	865.4	800.0	779.1
70°	869.9	826.7	759.5	699.2	680.8
72.5°	761.4	715.8	661.2	606.1	592.5
75°	598.8	561.8	520.0	478.8	466.4
77.5°	455.1	419.3	388.9	359.8	356.8
80°	359.3	328.5	305.7	286.7	283.6
82.5°	268.5	245.1	230.1	216.2	215.6
85°	138.7	129.4	126.1	110.2	104.0
87.5°	40.3	40.3	35.3	30.9	30.9
90°	0.0	0.0	0.0	3.0	3.0
92.5°	45.6	17.5	12.0	17.4	17.4
95°	165.2	47.7	51.1	33.0	30.0
97.5°	342.9	76.9	73.9	81.1	84.1
100°	477.5	157.4	81.1	93.2	96.1
102.5°	626.4	592.9	83.5	100.4	105.7
105°	864.8	897.1	90.1	105.2	111.1
107.5°	1099.1	1131.4	419.2	108.8	114.7
110°	1255.2	1287.5	1327.3	111.2	117.1



TEST NUMBER: P1438838

CATALOG NUMBER: CB2-125U-120D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1401.8	1441.1	1471.4	247.6	121.9
115°	1636.6	1671.8	1687.7	1707.1	979.0
117.5°	1843.8	1887.3	1905.1	1938.8	1971.7
120°	1987.9	2029.1	2042.0	2075.8	2111.1
122.5°	2129.7	2166.1	2174.1	2212.7	2245.6
125°	2324.3	2365.4	2366.3	2406.1	2438.4
127.5°	2518.9	2554.1	2552.5	2582.1	2618.0
130°	2648.6	2672.1	2672.6	2697.5	2735.7
132.5°	2756.7	2789.6	2790.3	2810.4	2848.6
135°	2924.9	2960.1	2954.9	2973.8	3012.0
137.5°	3082.8	3116.9	3107.4	3123.4	3162.7
140°	3186.1	3215.5	3201.1	3217.2	3261.2
142.5°	3282.2	3311.6	3290.0	3303.7	3350.1
145°	3423.4	3449.8	3426.4	3430.4	3474.4
147.5°	3548.9	3574.7	3546.5	3550.4	3591.5
150°	3630.6	3654.0	3618.5	3622.5	3663.6
152.5°	3702.6	3723.8	3685.8	3685.1	3733.3
155°	3801.7	3825.2	3783.7	3775.9	3828.8
157.5°	3891.8	3913.5	3872.0	3866.3	3907.4
160°	3951.9	3966.6	3924.8	3916.8	3957.9
162.5°	3992.7	4009.7	3968.1	3955.2	3996.3
165°	4054.0	4065.7	4023.9	4006.9	4048.0
167.5°	4106.8	4120.3	4066.6	4051.4	4095.4
170°	4138.1	4146.9	4093.0	4073.0	4117.0
172.5°	4157.3	4163.7	4109.8	4087.1	4117.0
175°	4174.1	4182.9	4129.0	4102.5	4123.0
177.5°	4177.1	4181.8	4141.1	4117.8	4153.1
180°	4153.1	4153.1	4153.1	4153.1	4153.1



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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	18.93	19.74	19.93	20.75	22.09	17.83	18.64	18.83	19.65	20.99
	3H	20.57	21.29	21.59	22.32	23.68	19.35	20.08	20.37	21.10	22.46
	4H	21.20	21.88	22.22	22.91	24.28	19.93	20.61	20.95	21.63	23.01
	6H	21.60	22.23	22.63	23.26	24.64	20.29	20.92	21.33	21.95	23.34
	8H	21.74	22.34	22.79	23.39	24.77	20.43	21.03	21.47	22.08	23.46
	12H	21.82	22.39	22.86	23.42	24.83	20.49	21.06	21.54	22.10	23.51
4H	2H	19.33	20.02	20.37	21.04	22.41	18.46	19.14	19.49	20.17	21.54
	3H	21.20	21.77	22.24	22.82	24.21	20.19	20.76	21.23	21.81	23.20
	4H	21.94	22.46	22.99	23.51	24.92	20.86	21.38	21.91	22.43	23.84
	6H	22.46	22.91	23.52	23.97	25.38	21.33	21.78	22.39	22.85	24.25
	8H	22.66	23.08	23.72	24.14	25.56	21.52	21.94	22.58	23.00	24.42
	12H	22.77	23.14	23.84	24.22	25.64	21.61	21.98	22.68	23.06	24.48
8H	4H	22.09	22.51	23.15	23.57	24.99	21.13	21.55	22.19	22.61	24.03
	6H	22.73	23.08	23.81	24.18	25.60	21.73	22.08	22.81	23.18	24.60
	8H	23.02	23.33	24.11	24.41	25.85	22.01	22.31	23.09	23.40	24.83
	12H	23.20	23.46	24.29	24.54	26.02	22.15	22.42	23.25	23.50	24.98
12H	4H	22.07	22.45	23.15	23.52	24.95	21.13	21.51	22.21	22.58	24.01
	6H	22.76	23.07	23.85	24.15	25.59	21.79	22.10	22.88	23.18	24.62
	8H	23.08	23.34	24.17	24.42	25.90	22.10	22.36	23.19	23.45	24.92