

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: P1439102

Luminaire Tested: CB2-D-125U-120D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439102
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-125U-120D-935-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

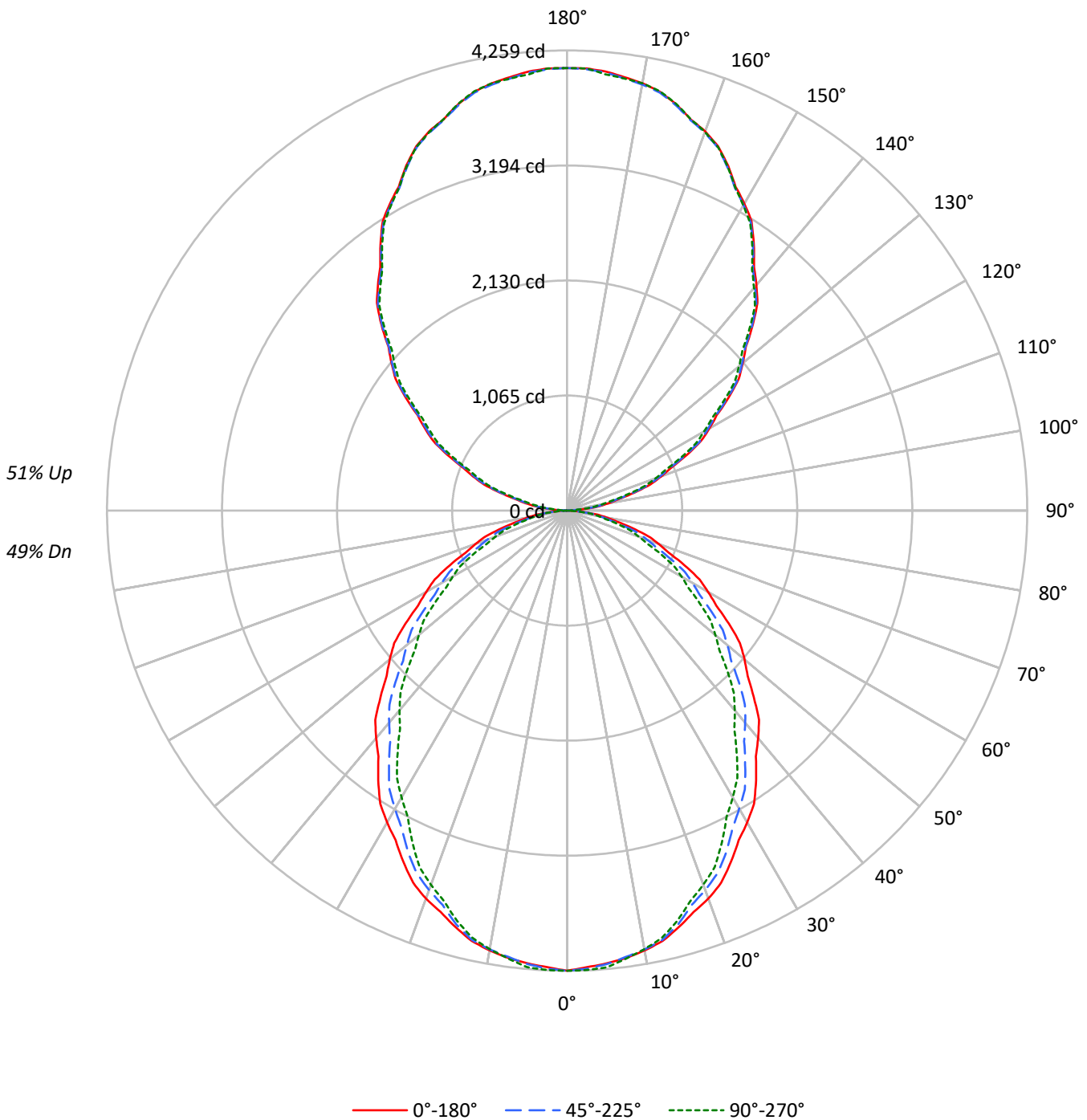
Lumens per Lamp: N/A
Luminaire Lumens: 20376.7 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: General Diffuse

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: P1439102

CATALOG NUMBER: CB2-D-125U-120D-935-1D-UNV-STD-W-8

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	50	30	10	0																			
RCR																																														
0	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49																												
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47	41																												
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	40	35																												
3	81	72	65	59	75	67	60	55	57	52	48	47	44	41	38	36	34	30																												
4	75	64	56	50	68	59	52	47	50	45	41	42	38	35	34	32	29	26																												
5	68	57	49	43	63	53	46	40	45	40	35	38	34	31	31	28	26	22																												
6	63	51	43	37	58	48	40	35	41	35	31	34	30	27	28	25	23	20																												
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	18																												
8	54	42	34	29	50	39	32	28	34	28	24	29	24	21	24	21	18	16																												
9	51	38	31	26	47	36	29	25	31	26	22	26	22	19	22	19	17	14																												
10	47	35	28	23	44	33	26	22	29	23	20	24	20	17	20	17	15	13																												

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37089	37089	37089
5°	36775	36832	37089
10°	36566	36479	36450
15°	35987	35752	35458
20°	35420	34634	34150
25°	34468	33497	32557
30°	33514	32038	30825
35°	32415	30544	29087
40°	31252	29139	27433
45°	30082	27671	25824
50°	29027	26243	24255
55°	27727	24756	22776
60°	26241	23344	21300
65°	24662	21773	19823
70°	22916	20011	17936
75°	20848	18106	16238
80°	18646	15863	14719
85°	14339	13030	10751

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30082 cd/sqm



TEST NUMBER: P1439102

CATALOG NUMBER: CB2-D-125U-120D-935-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.5	2.0
10°-20°	1116.4	5.5
20°-30°	1605.2	7.9
30°-40°	1804.2	8.9
40°-50°	1742.9	8.6
50°-60°	1472.6	7.2
60°-70°	1057.8	5.2
70°-80°	578.1	2.8
80°-90°	153.8	0.8
90°-100°	158.2	0.8
100°-110°	652.5	3.2
110°-120°	1184.6	5.8
120°-130°	1611.9	7.9
130°-140°	1860.8	9.1
140°-150°	1875.2	9.2
150°-160°	1618.2	7.9
160°-170°	1096.8	5.4
170°-180°	386.9	1.9
0°-30°	3122.1	15.3
0°-40°	4926.4	24.2
0°-60°	8141.9	40.0
0°-90°	9931.5	48.7
90°-120°	1995.4	9.8
90°-150°	7343.3	36.0
90°-180°	10445.0	51.3
0°-180°	20376.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4259	4259	4259	4259	4259	
5°	4207	4264	4213	4214	4243	399
15°	3992	4027	3965	3926	3933	1125
25°	3587	3590	3486	3407	3388	1651
35°	3049	3014	2873	2762	2736	1905
45°	2442	2392	2247	2129	2097	1887
55°	1826	1759	1630	1529	1500	1633
65°	1197	1152	1057	981	962	1187
75°	620	581	538	495	483	663
85°	144	134	130	114	108	171
90°	0	0	3	0	3	11
95°	153	135	128	99	99	178
105°	645	636	620	584	578	685
115°	1227	1224	1201	1166	1163	1211
125°	1824	1843	1805	1767	1770	1629
135°	2431	2459	2418	2374	2390	1872
145°	3013	3047	3000	2965	2987	1882
155°	3524	3558	3508	3486	3514	1620
165°	3894	3935	3885	3863	3898	1097
175°	4080	4123	4070	4045	4054	387
180°	4096	4096	4096	4096	4096	

TEST NUMBER: P1439102

CATALOG NUMBER: CB2-D-125U-120D-935-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4258.9	4258.9	4258.9	4258.9	4258.9
2.5°	4230.2	4281.2	4243.2	4248.6	4256.3
5°	4206.7	4264.1	4213.2	4213.9	4242.6
7.5°	4176.7	4230.9	4166.9	4155.1	4181.9
10°	4135.0	4189.2	4125.2	4102.8	4121.9
12.5°	4080.2	4131.8	4070.4	4034.9	4051.5
15°	3991.5	4026.6	3965.4	3926.4	3932.8
17.5°	3895.0	3916.6	3828.4	3795.7	3789.3
20°	3821.9	3841.0	3737.1	3691.3	3684.9
22.5°	3728.0	3744.6	3635.4	3579.1	3570.2
25°	3587.1	3590.3	3486.0	3407.3	3388.2
27.5°	3439.7	3429.5	3313.8	3220.7	3195.8
30°	3332.8	3320.0	3186.0	3087.7	3065.4
32.5°	3218.0	3195.0	3060.8	2954.6	2932.3
35°	3049.0	3014.0	2873.0	2761.5	2736.0
37.5°	2869.0	2829.5	2691.0	2569.7	2541.0
40°	2749.0	2704.4	2563.2	2441.8	2413.1
42.5°	2629.0	2579.3	2435.3	2314.0	2282.7
45°	2442.5	2391.5	2246.8	2128.7	2096.8
47.5°	2265.1	2200.1	2059.7	1942.2	1910.3
50°	2142.5	2072.3	1937.0	1822.2	1790.3
52.5°	2017.3	1944.6	1814.4	1704.8	1672.9
55°	1826.2	1759.2	1630.5	1528.8	1500.1
57.5°	1637.0	1572.6	1455.1	1357.9	1329.8
60°	1506.6	1452.4	1340.3	1248.4	1222.9
62.5°	1381.4	1332.3	1225.5	1141.4	1115.9
65°	1196.8	1152.2	1056.6	981.1	962.0
67.5°	1017.4	972.8	895.5	827.8	806.1
70°	900.0	855.4	785.9	723.5	704.4
72.5°	787.9	740.7	684.2	627.1	613.1
75°	619.6	581.3	538.1	495.4	482.6
77.5°	470.9	433.9	402.4	372.3	369.1
80°	371.8	339.9	316.3	296.7	293.5
82.5°	277.8	253.6	238.1	223.7	223.1
85°	143.5	133.9	130.4	114.0	107.6
87.5°	41.7	41.7	37.2	31.3	31.9
90°	0.0	0.0	3.2	0.1	3.2
92.5°	38.3	33.3	31.3	20.5	23.6
95°	153.3	134.6	127.8	99.0	99.0
97.5°	289.4	270.7	260.7	231.2	224.9
100°	386.6	367.8	357.8	325.7	319.5
102.5°	486.2	477.5	460.0	425.4	419.1
105°	645.3	636.0	619.8	584.5	578.2
107.5°	808.9	810.8	786.5	757.6	748.8
110°	926.5	923.3	904.1	875.2	869.0



TEST NUMBER: P1439102

CATALOG NUMBER: CB2-D-125U-120D-935-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1046.6	1041.0	1021.7	992.8	986.5
115°	1226.8	1223.7	1201.2	1166.0	1162.9
117.5°	1398.0	1408.0	1381.4	1344.3	1343.1
120°	1520.7	1533.2	1501.5	1469.4	1463.2
122.5°	1640.8	1655.8	1624.2	1587.2	1588.4
125°	1824.2	1842.9	1805.0	1766.8	1769.9
127.5°	2001.2	2024.3	1989.0	1950.1	1953.9
130°	2121.3	2149.4	2111.7	2070.3	2076.6
132.5°	2244.0	2272.1	2234.4	2190.6	2201.8
135°	2431.2	2459.3	2418.4	2374.0	2389.7
137.5°	2607.5	2635.6	2590.9	2553.6	2572.4
140°	2725.1	2753.2	2705.9	2671.2	2690.0
142.5°	2840.1	2873.2	2823.5	2786.3	2810.1
145°	3012.6	3047.0	2999.8	2965.2	2987.1
147.5°	3176.2	3210.6	3162.8	3129.4	3151.9
150°	3281.0	3315.3	3265.0	3236.8	3261.8
152.5°	3378.1	3417.5	3364.7	3336.7	3369.2
155°	3523.8	3558.1	3507.8	3486.1	3514.2
157.5°	3650.3	3690.3	3640.1	3621.4	3643.9
160°	3734.6	3772.1	3721.9	3703.3	3728.2
162.5°	3798.5	3838.5	3790.9	3769.8	3799.8
165°	3894.4	3935.0	3884.8	3863.2	3897.6
167.5°	3969.8	4012.9	3962.1	3939.9	3974.9
170°	4015.8	4056.4	4003.0	3978.3	4015.8
172.5°	4046.4	4089.5	4033.7	4008.7	4033.7
175°	4079.7	4123.4	4070.1	4044.7	4054.1
177.5°	4095.6	4130.6	4088.0	4065.6	4095.6
180°	4095.6	4095.6	4095.6	4095.6	4095.6



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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	19.44	20.28	20.41	21.26	22.55	18.34	19.18	19.31	20.16	21.45
	3H	21.08	21.83	22.06	22.82	24.14	19.86	20.61	20.84	21.61	22.92
	4H	21.71	22.42	22.70	23.41	24.73	20.43	21.15	21.43	22.14	23.46
	6H	22.11	22.76	23.11	23.76	25.10	20.81	21.46	21.81	22.46	23.79
	8H	22.26	22.88	23.27	23.90	25.23	20.95	21.57	21.96	22.59	23.91
	12H	22.33	22.92	23.35	23.93	25.29	21.01	21.60	22.02	22.61	23.96
4H	2H	19.84	20.55	20.84	21.55	22.87	18.97	19.68	19.97	20.68	22.00
	3H	21.71	22.30	22.72	23.33	24.66	20.70	21.29	21.71	22.32	23.65
	4H	22.46	23.00	23.47	24.01	25.37	21.37	21.92	22.39	22.93	24.29
	6H	22.97	23.44	24.00	24.48	25.83	21.85	22.31	22.88	23.35	24.71
	8H	23.18	23.61	24.21	24.65	26.02	22.04	22.47	23.07	23.51	24.88
	12H	23.28	23.68	24.33	24.72	26.10	22.12	22.52	23.17	23.57	24.94
8H	4H	22.61	23.05	23.64	24.08	25.45	21.65	22.08	22.68	23.11	24.48
	6H	23.25	23.61	24.30	24.69	26.05	22.25	22.61	23.30	23.68	25.05
	8H	23.54	23.86	24.60	24.92	26.30	22.52	22.84	23.59	23.90	25.29
	12H	23.71	23.99	24.78	25.05	26.48	22.67	22.95	23.74	24.01	25.43
12H	4H	22.59	22.98	23.64	24.03	25.40	21.65	22.04	22.70	23.09	24.46
	6H	23.28	23.60	24.34	24.66	26.04	22.31	22.63	23.37	23.69	25.07
	8H	23.60	23.87	24.66	24.93	26.36	22.62	22.90	23.68	23.95	25.38