

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: P1439070

Luminaire Tested: CB2-D-085U-120D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439070
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-085U-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 850 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

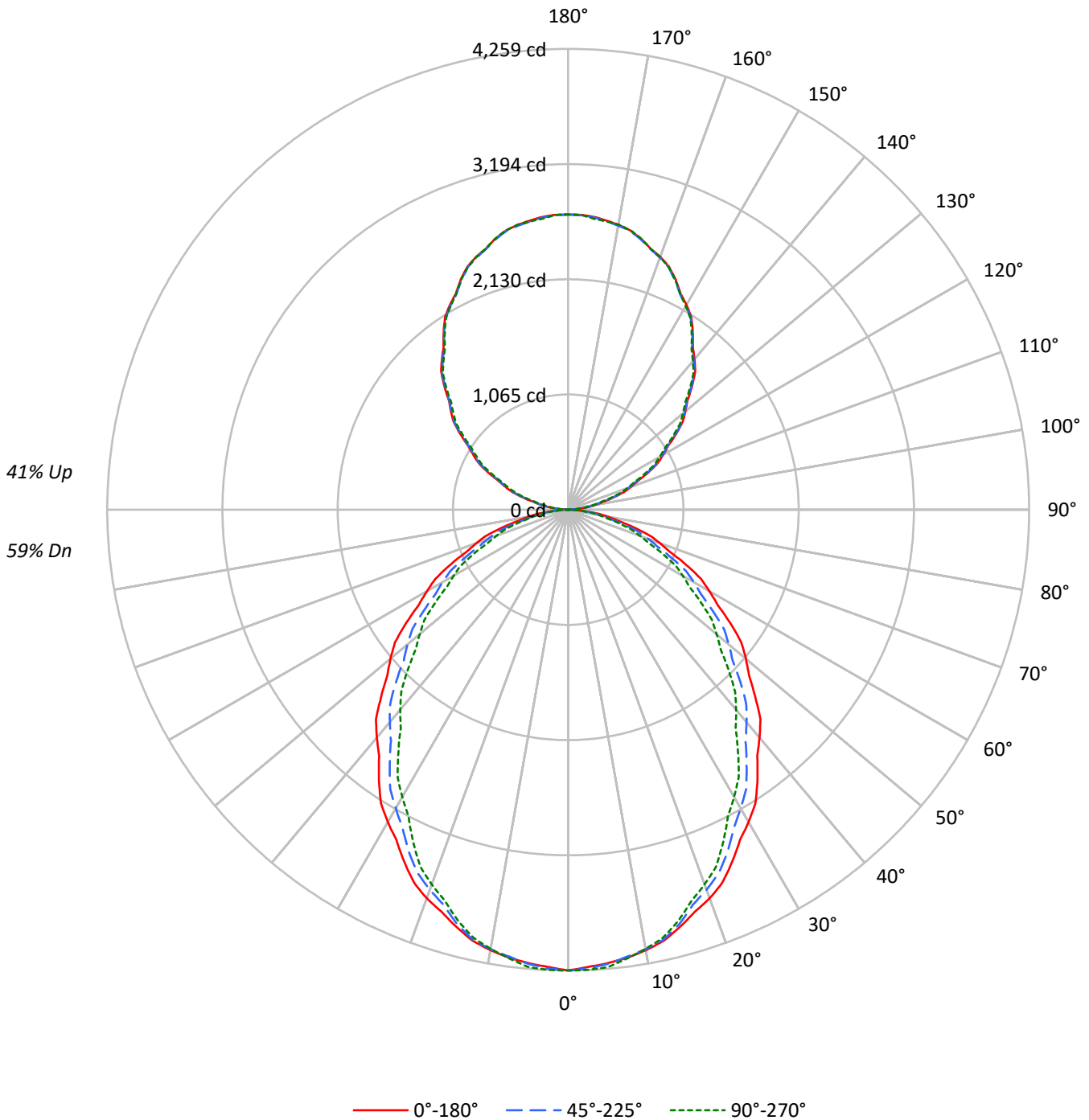
Lumens per Lamp: N/A
Luminaire Lumens: 16888.0 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 146
Input Voltage (V): 120
Input Current (Ain): 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	56	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	30	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	30	25	22	26	22	19	17																			
10	49	37	29	24	46	35	28	23	31	25	22	27	23	20	24	20	18	16																			

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.5	2.4
10°-20°	1116.4	6.6
20°-30°	1605.2	9.5
30°-40°	1804.2	10.7
40°-50°	1742.9	10.3
50°-60°	1472.6	8.7
60°-70°	1057.8	6.3
70°-80°	578.1	3.4
80°-90°	153.7	0.9
90°-100°	105.4	0.6
100°-110°	434.6	2.6
110°-120°	788.9	4.7
120°-130°	1073.6	6.4
130°-140°	1239.3	7.3
140°-150°	1248.9	7.4
150°-160°	1077.8	6.4
160°-170°	730.5	4.3
170°-180°	257.7	1.5
0°-30°	3122.1	18.5
0°-40°	4926.4	29.2
0°-60°	8141.9	48.2
0°-90°	9931.4	58.8
90°-120°	1328.9	7.9
90°-150°	4890.7	29.0
90°-180°	6957.0	41.2
0°-180°	16888.0	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	2	0	2	9
95°	102	90	85	66	66	119
105°	430	424	413	389	385	456
115°	817	815	800	777	774	806
125°	1215	1227	1202	1177	1179	1085
135°	1619	1638	1611	1581	1592	1247
145°	2006	2029	1998	1975	1989	1254
155°	2347	2370	2336	2322	2340	1079
165°	2594	2621	2587	2573	2596	730
175°	2717	2746	2711	2694	2700	258
180°	2728	2728	2728	2728	2728	

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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	36.9	31.3	31.7
90°	0.0	0.0	2.1	0.0	2.1
92.5°	25.5	22.2	20.9	13.7	15.7
95°	102.1	89.6	85.1	66.0	66.0
97.5°	192.8	180.3	173.6	154.0	149.8
100°	257.5	245.0	238.3	216.9	212.8
102.5°	323.8	318.0	306.4	283.3	279.2
105°	429.8	423.6	412.8	389.3	385.1
107.5°	538.7	540.0	523.8	504.6	498.7
110°	617.0	615.0	602.1	582.9	578.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	697.0	693.3	680.4	661.2	657.0
115°	817.0	815.0	800.0	776.6	774.5
117.5°	931.1	937.8	920.0	895.3	894.5
120°	1012.8	1021.1	1000.0	978.7	974.5
122.5°	1092.8	1102.8	1081.7	1057.1	1057.9
125°	1214.9	1227.4	1202.2	1176.7	1178.8
127.5°	1332.8	1348.2	1324.7	1298.8	1301.3
130°	1412.8	1431.5	1406.4	1378.9	1383.0
132.5°	1494.5	1513.2	1488.1	1458.9	1466.4
135°	1619.2	1637.9	1610.7	1581.1	1591.5
137.5°	1736.7	1755.4	1725.6	1700.8	1713.2
140°	1815.0	1833.7	1802.2	1779.1	1791.5
142.5°	1891.6	1913.6	1880.5	1855.7	1871.6
145°	2006.4	2029.3	1997.9	1974.9	1989.4
147.5°	2115.4	2138.3	2106.5	2084.2	2099.2
150°	2185.2	2208.1	2174.5	2155.8	2172.4
152.5°	2249.9	2276.1	2240.9	2222.3	2243.9
155°	2346.9	2369.8	2336.2	2321.8	2340.5
157.5°	2431.1	2457.8	2424.3	2411.9	2426.9
160°	2487.3	2512.3	2478.8	2466.4	2483.1
162.5°	2529.9	2556.5	2524.8	2510.7	2530.7
165°	2593.7	2620.7	2587.3	2572.9	2595.8
167.5°	2643.9	2672.6	2638.8	2624.0	2647.3
170°	2674.6	2701.6	2666.0	2649.6	2674.6
172.5°	2695.0	2723.7	2686.5	2669.8	2686.5
175°	2717.1	2746.2	2710.7	2693.8	2700.1
177.5°	2727.7	2751.0	2722.6	2707.8	2727.7
180°	2727.7	2727.7	2727.7	2727.7	2727.7



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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	20.33	21.26	21.21	22.16	23.30	19.23	20.17	20.11	21.06	22.21
	3H	21.98	22.82	22.88	23.73	24.89	20.77	21.60	21.66	22.51	23.68
	4H	22.61	23.40	23.52	24.32	25.50	21.34	22.13	22.25	23.05	24.22
	6H	23.02	23.75	23.94	24.67	25.86	21.72	22.45	22.64	23.37	24.56
	8H	23.17	23.86	24.10	24.80	25.99	21.86	22.55	22.79	23.49	24.68
	12H	23.25	23.91	24.18	24.84	26.05	21.93	22.58	22.86	23.52	24.73
4H	2H	20.75	21.54	21.66	22.45	23.63	19.88	20.67	20.79	21.58	22.76
	3H	22.63	23.28	23.55	24.23	25.42	21.62	22.28	22.54	23.22	24.41
	4H	23.38	23.98	24.31	24.92	26.13	22.29	22.89	23.23	23.83	25.05
	6H	23.90	24.42	24.85	25.38	26.60	22.77	23.29	23.72	24.25	25.47
	8H	24.11	24.59	25.06	25.55	26.78	22.96	23.45	23.91	24.41	25.64
	12H	24.21	24.65	25.18	25.63	26.86	23.06	23.49	24.03	24.47	25.70
8H	4H	23.54	24.02	24.49	24.98	26.21	22.57	23.06	23.52	24.01	25.24
	6H	24.18	24.58	25.16	25.58	26.81	23.18	23.58	24.16	24.58	25.81
	8H	24.47	24.83	25.46	25.82	27.06	23.46	23.81	24.44	24.80	26.05
	12H	24.65	24.96	25.64	25.94	27.24	23.61	23.92	24.60	24.90	26.20
12H	4H	23.52	23.96	24.49	24.93	26.17	22.58	23.02	23.55	23.99	25.23
	6H	24.21	24.56	25.20	25.55	26.80	23.24	23.60	24.23	24.59	25.83
	8H	24.53	24.84	25.52	25.82	27.12	23.55	23.86	24.54	24.85	26.14