

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: P1438704

Luminaire Tested: CB2-085U-030D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438704
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: CB2-085U-030D-927-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

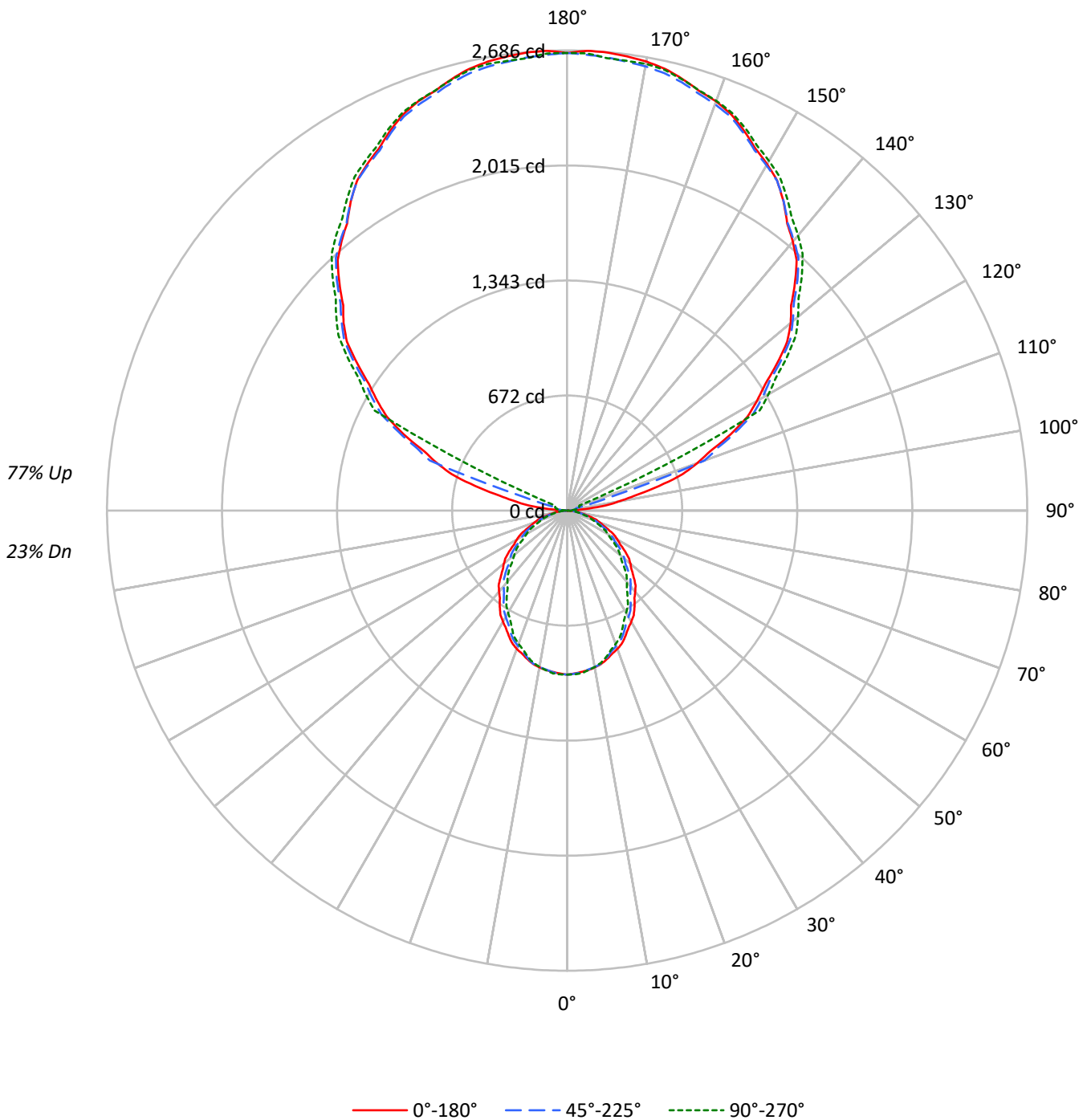
Lumens per Lamp: N/A
Luminaire Lumens: 9848.8 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 76
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				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	101	101	101	101	89	89	89	89	68	68	68	49	49	49	31	31	31	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	27	27	26	19
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	24	23	22	16
3	76	67	60	55	67	60	54	49	46	42	39	33	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	41	36	37	32	28	27	24	21	17	16	14	10
6	59	47	40	34	52	42	36	31	33	28	25	24	21	19	16	14	13	9
7	54	42	35	30	48	38	32	27	30	25	22	22	19	16	14	13	11	8
8	50	38	31	26	44	34	28	24	27	22	19	20	17	15	13	11	10	7
9	47	35	28	23	41	31	25	21	25	20	17	18	15	13	12	10	9	7
10	43	32	25	20	38	29	23	19	23	18	15	17	14	12	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8339	8339	8339
5°	8268	8280	8338
10°	8220	8202	8195
15°	8091	8038	7972
20°	7964	7787	7678
25°	7750	7531	7320
30°	7535	7203	6931
35°	7288	6867	6539
40°	7027	6552	6167
45°	6763	6221	5806
50°	6526	5900	5453
55°	6234	5566	5121
60°	5899	5248	4788
65°	5545	4894	4457
70°	5154	4499	4033
75°	4687	4071	3651
80°	4193	3566	3310
85°	3227	2928	2418

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6763 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	0.9
10°-20°	251.0	2.5
20°-30°	360.9	3.7
30°-40°	405.6	4.1
40°-50°	391.8	4.0
50°-60°	331.1	3.4
60°-70°	237.8	2.4
70°-80°	130.0	1.3
80°-90°	34.6	0.4
90°-100°	46.5	0.5
100°-110°	296.3	3.0
110°-120°	941.3	9.6
120°-130°	1365.9	13.9
130°-140°	1469.0	14.9
140°-150°	1383.1	14.0
150°-160°	1126.8	11.4
160°-170°	733.4	7.4
170°-180°	253.5	2.6
0°-30°	701.9	7.1
0°-40°	1107.6	11.2
0°-60°	1830.5	18.6
0°-90°	2232.9	22.7
90°-120°	1284.1	13.0
90°-150°	5502.2	55.9
90°-180°	7616.0	77.3
0°-180°	9848.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	958	958	958	958	958	
5°	946	959	947	947	954	90
15°	897	905	892	883	884	253
25°	806	807	784	766	762	371
35°	686	678	646	621	615	428
45°	549	538	505	479	471	424
55°	411	396	367	344	337	367
65°	269	259	238	221	216	267
75°	139	131	121	111	108	149
85°	32	30	29	26	24	38
90°	0	0	0	2	2	5
95°	106	31	33	21	19	135
105°	556	577	58	68	72	586
115°	1052	1075	1085	1098	630	1035
125°	1495	1521	1522	1547	1568	1336
135°	1881	1904	1900	1912	1937	1451
145°	2202	2219	2204	2206	2234	1376
155°	2445	2460	2433	2428	2462	1127
165°	2607	2615	2588	2577	2603	736
175°	2684	2690	2656	2638	2652	255
180°	2671	2671	2671	2671	2671	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	957.5	957.5	957.5	957.5	957.5
2.5°	951.1	962.5	954.0	955.2	956.9
5°	945.8	958.7	947.2	947.4	953.8
7.5°	939.0	951.2	936.8	934.2	940.2
10°	929.6	941.8	927.5	922.4	926.7
12.5°	917.3	928.9	915.1	907.2	910.9
15°	897.4	905.3	891.5	882.8	884.2
17.5°	875.7	880.6	860.7	853.4	851.9
20°	859.3	863.6	840.2	829.9	828.5
22.5°	838.2	841.9	817.3	804.7	802.7
25°	806.5	807.2	783.8	766.1	761.8
27.5°	773.3	771.0	745.0	724.1	718.5
30°	749.3	746.4	716.3	694.2	689.2
32.5°	723.5	718.3	688.1	664.3	659.3
35°	685.5	677.6	645.9	620.9	615.1
37.5°	645.0	636.1	605.0	577.7	571.3
40°	618.1	608.0	576.3	549.0	542.5
42.5°	591.1	579.9	547.5	520.2	513.2
45°	549.1	537.7	505.1	478.6	471.4
47.5°	509.3	494.6	463.1	436.7	429.5
50°	481.7	465.9	435.5	409.7	402.5
52.5°	453.5	437.2	407.9	383.3	376.1
55°	410.6	395.5	366.6	343.7	337.3
57.5°	368.0	353.6	327.1	305.3	299.0
60°	338.7	326.5	301.3	280.7	274.9
62.5°	310.6	299.5	275.5	256.6	250.9
65°	269.1	259.0	237.5	220.6	216.3
67.5°	228.7	218.7	201.3	186.1	181.2
70°	202.4	192.3	176.7	162.7	158.4
72.5°	177.1	166.5	153.8	141.0	137.8
75°	139.3	130.7	121.0	111.4	108.5
77.5°	105.9	97.6	90.5	83.7	83.0
80°	83.6	76.4	71.1	66.7	66.0
82.5°	62.5	57.0	53.5	50.3	50.1
85°	32.3	30.1	29.3	25.6	24.2
87.5°	9.4	9.4	8.2	7.4	7.4
90°	0.0	0.0	0.0	1.9	1.9
92.5°	29.4	11.2	7.7	11.2	11.2
95°	106.2	30.7	32.8	21.2	19.3
97.5°	220.6	49.5	47.5	52.2	54.1
100°	307.1	101.2	52.1	59.9	61.8
102.5°	402.9	381.3	53.7	64.6	68.0
105°	556.2	577.0	57.9	67.7	71.5
107.5°	706.8	727.6	269.6	70.0	73.8
110°	807.3	828.0	853.6	71.5	75.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	901.5	926.8	946.3	159.2	78.4
115°	1052.5	1075.2	1085.4	1097.9	629.6
117.5°	1185.8	1213.8	1225.2	1246.9	1268.1
120°	1278.5	1304.9	1313.3	1335.0	1357.7
122.5°	1369.7	1393.1	1398.2	1423.1	1444.2
125°	1494.8	1521.2	1521.9	1547.4	1568.2
127.5°	1620.0	1642.6	1641.6	1660.7	1683.7
130°	1703.4	1718.5	1718.8	1734.8	1759.4
132.5°	1772.9	1794.1	1794.5	1807.5	1832.0
135°	1881.1	1903.7	1900.4	1912.5	1937.1
137.5°	1982.7	2004.6	1998.5	2008.7	2034.0
140°	2049.1	2068.0	2058.7	2069.0	2097.4
142.5°	2110.9	2129.8	2115.9	2124.7	2154.5
145°	2201.7	2218.7	2203.6	2206.2	2234.5
147.5°	2282.4	2299.0	2280.8	2283.4	2309.8
150°	2334.9	2350.0	2327.2	2329.7	2356.2
152.5°	2381.3	2394.9	2370.5	2370.0	2401.0
155°	2445.0	2460.1	2433.4	2428.4	2462.4
157.5°	2502.9	2516.9	2490.2	2486.5	2513.0
160°	2541.6	2551.0	2524.2	2519.0	2545.4
162.5°	2567.8	2578.8	2552.0	2543.7	2570.1
165°	2607.2	2614.8	2587.9	2576.9	2603.4
167.5°	2641.2	2649.9	2615.3	2605.6	2633.9
170°	2661.3	2667.0	2632.3	2619.5	2647.8
172.5°	2673.7	2677.8	2643.2	2628.5	2647.8
175°	2684.5	2690.1	2655.5	2638.4	2651.6
177.5°	2686.4	2689.4	2663.2	2648.3	2671.0
180°	2671.0	2671.0	2671.0	2671.0	2671.0



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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	11.03	11.69	12.19	12.83	14.45	9.93	10.59	11.09	11.73	13.35
	3H	12.66	13.25	13.83	14.40	16.03	11.44	12.03	12.61	13.18	14.81
	4H	13.28	13.84	14.46	14.99	16.62	12.01	12.56	13.18	13.72	15.35
	6H	13.67	14.18	14.86	15.34	16.99	12.37	12.88	13.55	14.04	15.68
	8H	13.81	14.30	15.00	15.47	17.11	12.50	12.99	13.69	14.16	15.80
	12H	13.88	14.34	15.07	15.51	17.17	12.56	13.02	13.75	14.18	15.84
4H	2H	11.41	11.97	12.60	13.13	14.76	10.54	11.10	11.73	12.25	13.89
	3H	13.26	13.73	14.45	14.91	16.55	12.26	12.72	13.45	13.90	15.55
	4H	14.00	14.43	15.19	15.60	17.26	12.92	13.35	14.11	14.52	16.18
	6H	14.51	14.88	15.71	16.07	17.72	13.38	13.75	14.58	14.94	16.59
	8H	14.71	15.05	15.90	16.23	17.90	13.57	13.91	14.76	15.09	16.76
	12H	14.81	15.12	16.02	16.31	17.98	13.65	13.96	14.86	15.15	16.82
8H	4H	14.14	14.48	15.34	15.67	17.34	13.18	13.52	14.37	14.70	16.37
	6H	14.78	15.06	15.99	16.28	17.95	13.77	14.06	14.99	15.28	16.95
	8H	15.06	15.31	16.28	16.51	18.20	14.05	14.29	15.26	15.49	17.18
	12H	15.23	15.44	16.45	16.64	18.36	14.19	14.40	15.41	15.60	17.32
12H	4H	14.11	14.42	15.32	15.61	17.29	13.17	13.48	14.38	14.67	16.35
	6H	14.80	15.05	16.02	16.25	17.94	13.84	14.08	15.05	15.28	16.97
	8H	15.11	15.32	16.33	16.52	18.24	14.13	14.35	15.35	15.55	17.26