

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: P1438706

Luminaire Tested: CB2-085U-030D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438706
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-930-1D-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

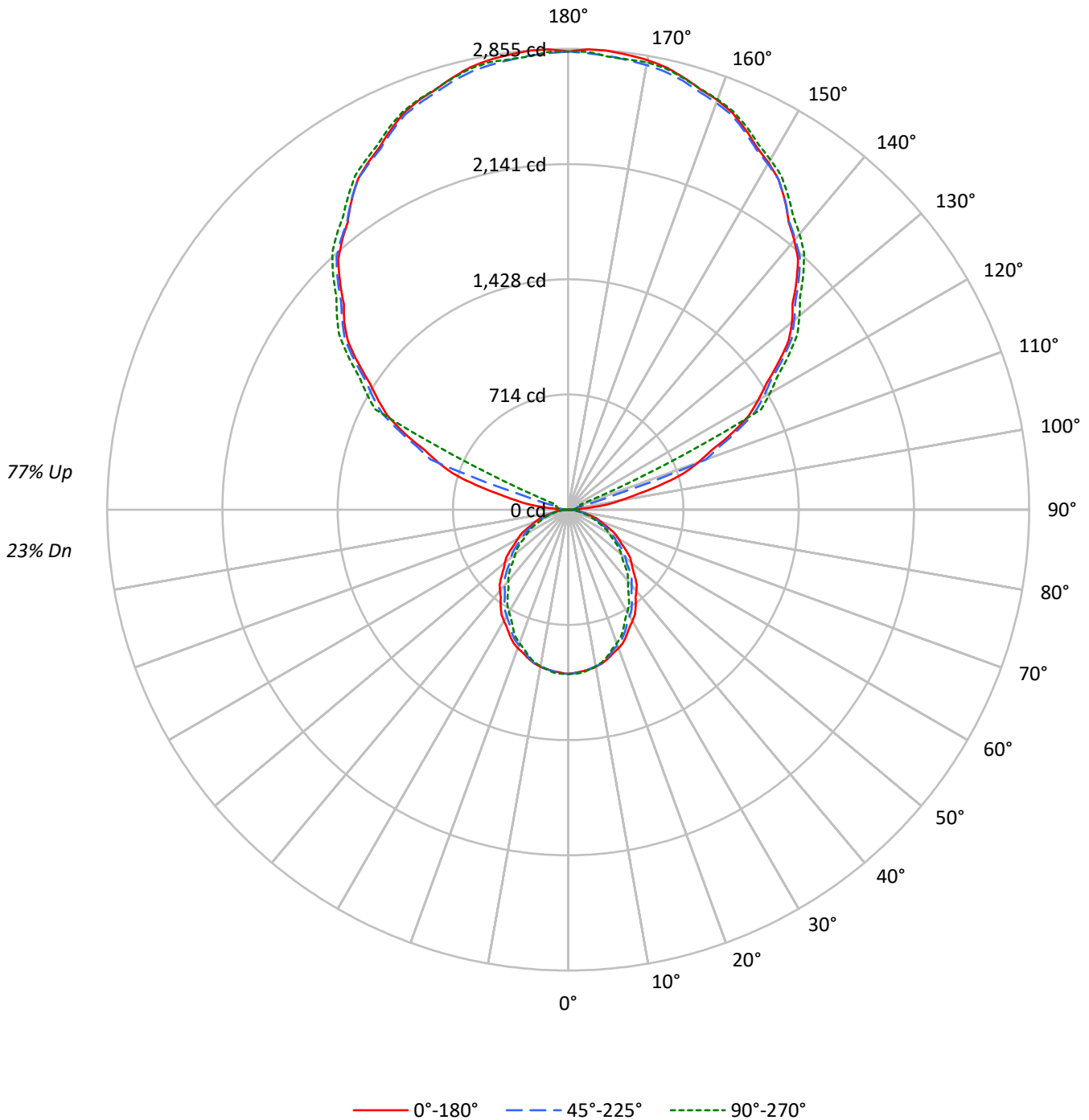
Lumens per Lamp: N/A
Luminaire Lumens: 10467.1 lumens
Efficiency: N/A
Efficacy: 137.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 76
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

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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°	8862	8862	8862
5°	8787	8801	8862
10°	8737	8717	8709
15°	8598	8543	8472
20°	8463	8276	8160
25°	8236	8004	7779
30°	8008	7656	7365
35°	7745	7298	6950
40°	7468	6962	6555
45°	7188	6612	6170
50°	6935	6270	5796
55°	6624	5915	5442
60°	6270	5577	5089
65°	5893	5203	4737
70°	5477	4782	4285
75°	4980	4327	3880
80°	4453	3791	3516
85°	3427	3118	2568

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7188 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.7	0.9
10°-20°	266.8	2.5
20°-30°	383.6	3.7
30°-40°	431.1	4.1
40°-50°	416.4	4.0
50°-60°	351.9	3.4
60°-70°	252.7	2.4
70°-80°	138.1	1.3
80°-90°	36.8	0.4
90°-100°	49.5	0.5
100°-110°	314.9	3.0
110°-120°	1000.4	9.6
120°-130°	1451.7	13.9
130°-140°	1561.3	14.9
140°-150°	1470.0	14.0
150°-160°	1197.5	11.4
160°-170°	779.4	7.4
170°-180°	269.4	2.6
0°-30°	746.0	7.1
0°-40°	1177.1	11.2
0°-60°	1945.4	18.6
0°-90°	2373.1	22.7
90°-120°	1364.7	13.0
90°-150°	5847.6	55.9
90°-180°	8094.0	77.3
0°-180°	10467.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1018	1018	1018	1018	1018	
5°	1005	1019	1007	1007	1014	95
15°	954	962	948	938	940	269
25°	857	858	833	814	810	395
35°	728	720	686	660	654	455
45°	584	571	537	509	501	451
55°	436	420	390	365	358	390
65°	286	275	252	234	230	284
75°	148	139	129	118	115	158
85°	34	32	31	27	26	41
90°	0	0	0	2	2	6
95°	113	33	35	22	20	143
105°	591	613	62	72	76	623
115°	1119	1143	1154	1167	669	1100
125°	1589	1617	1617	1645	1667	1420
135°	1999	2023	2020	2033	2059	1542
145°	2340	2358	2342	2345	2375	1463
155°	2598	2615	2586	2581	2617	1198
165°	2771	2779	2750	2739	2767	783
175°	2853	2859	2822	2804	2818	271
180°	2839	2839	2839	2839	2839	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1017.6	1017.6	1017.6	1017.6	1017.6
2.5°	1010.8	1023.0	1013.9	1015.2	1017.0
5°	1005.2	1018.9	1006.7	1006.9	1013.7
7.5°	998.0	1010.9	995.6	992.8	999.2
10°	988.0	1001.0	985.7	980.3	984.9
12.5°	974.9	987.3	972.6	964.1	968.1
15°	953.7	962.1	947.5	938.2	939.7
17.5°	930.7	935.8	914.8	906.9	905.4
20°	913.2	917.8	893.0	882.0	880.5
22.5°	890.8	894.7	868.6	855.2	853.1
25°	857.1	857.9	833.0	814.1	809.6
27.5°	821.9	819.5	791.8	769.5	763.6
30°	796.3	793.3	761.3	737.8	732.4
32.5°	768.9	763.4	731.3	706.0	700.6
35°	728.5	720.2	686.5	659.8	653.7
37.5°	685.5	676.1	643.0	614.0	607.1
40°	656.9	646.2	612.4	583.5	576.6
42.5°	628.2	616.3	581.9	552.9	545.4
45°	583.6	571.4	536.9	508.6	501.0
47.5°	541.2	525.7	492.1	464.1	456.4
50°	511.9	495.2	462.8	435.4	427.8
52.5°	482.0	464.6	433.5	407.3	399.7
55°	436.3	420.3	389.6	365.3	358.4
57.5°	391.2	375.8	347.7	324.5	317.8
60°	360.0	347.0	320.2	298.3	292.2
62.5°	330.1	318.3	292.8	272.7	266.6
65°	286.0	275.3	252.5	234.4	229.9
67.5°	243.1	232.4	214.0	197.8	192.6
70°	215.1	204.4	187.8	172.9	168.3
72.5°	188.3	177.0	163.5	149.8	146.5
75°	148.0	138.9	128.6	118.4	115.3
77.5°	112.5	103.7	96.2	89.0	88.2
80°	88.8	81.2	75.6	70.9	70.1
82.5°	66.4	60.6	56.9	53.4	53.3
85°	34.3	32.0	31.2	27.2	25.7
87.5°	10.0	10.0	8.7	7.9	7.9
90°	0.0	0.0	0.0	2.1	2.1
92.5°	31.2	11.9	8.2	11.9	11.9
95°	112.9	32.6	34.9	22.5	20.5
97.5°	234.4	52.6	50.5	55.5	57.5
100°	326.4	107.6	55.4	63.7	65.7
102.5°	428.2	405.3	57.1	68.6	72.2
105°	591.1	613.2	61.6	71.9	75.9
107.5°	751.2	773.3	286.5	74.4	78.4
110°	858.0	880.0	907.2	76.0	80.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	958.1	985.0	1005.7	169.2	83.3
115°	1118.6	1142.7	1153.5	1166.8	669.1
117.5°	1260.3	1290.0	1302.1	1325.2	1347.7
120°	1358.8	1386.9	1395.7	1418.8	1442.9
122.5°	1455.7	1480.5	1486.0	1512.4	1534.9
125°	1588.7	1616.8	1617.4	1644.6	1666.7
127.5°	1721.7	1745.7	1744.6	1764.9	1789.4
130°	1810.3	1826.4	1826.7	1843.8	1869.9
132.5°	1884.2	1906.7	1907.2	1920.9	1947.0
135°	1999.2	2023.2	2019.7	2032.6	2058.7
137.5°	2107.1	2130.4	2124.0	2134.8	2161.7
140°	2177.7	2197.8	2188.0	2198.9	2229.0
142.5°	2243.4	2263.5	2248.7	2258.1	2289.8
145°	2339.9	2357.9	2341.9	2344.7	2374.8
147.5°	2425.7	2443.3	2424.0	2426.7	2454.8
150°	2481.5	2497.6	2473.3	2476.0	2504.1
152.5°	2530.8	2545.2	2519.3	2518.8	2551.7
155°	2598.5	2614.6	2586.2	2580.8	2617.0
157.5°	2660.1	2674.9	2646.5	2642.7	2670.7
160°	2701.1	2711.2	2682.7	2677.1	2705.2
162.5°	2729.0	2740.7	2712.2	2703.4	2731.5
165°	2770.9	2778.9	2750.4	2738.7	2766.8
167.5°	2807.0	2816.3	2779.5	2769.1	2799.2
170°	2828.4	2834.4	2797.6	2783.9	2814.0
172.5°	2841.5	2845.9	2809.1	2793.5	2814.0
175°	2853.0	2859.0	2822.2	2804.1	2818.1
177.5°	2855.1	2858.3	2830.4	2814.6	2838.6
180°	2838.6	2838.6	2838.6	2838.6	2838.6



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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	11.24	11.90	12.40	13.04	14.66	10.14	10.80	11.31	11.94	13.56
	3H	12.87	13.46	14.04	14.61	16.24	11.65	12.24	12.82	13.40	15.03
	4H	13.49	14.05	14.67	15.20	16.84	12.22	12.77	13.40	13.93	15.56
	6H	13.88	14.39	15.07	15.55	17.20	12.58	13.09	13.76	14.25	15.89
	8H	14.02	14.51	15.21	15.68	17.32	12.71	13.20	13.90	14.37	16.01
	12H	14.09	14.55	15.28	15.72	17.38	12.77	13.23	13.96	14.40	16.06
4H	2H	11.63	12.18	12.81	13.34	14.97	10.75	11.31	11.94	12.46	14.10
	3H	13.48	13.94	14.67	15.12	16.77	12.47	12.93	13.66	14.11	15.76
	4H	14.21	14.64	15.40	15.81	17.47	13.13	13.56	14.32	14.73	16.39
	6H	14.72	15.09	15.92	16.28	17.93	13.60	13.96	14.79	15.15	16.81
	8H	14.92	15.26	16.12	16.44	18.12	13.78	14.12	14.98	15.30	16.98
	12H	15.02	15.33	16.23	16.52	18.20	13.86	14.17	15.07	15.36	17.04
8H	4H	14.35	14.69	15.55	15.88	17.55	13.39	13.73	14.58	14.91	16.58
	6H	14.99	15.27	16.20	16.49	18.16	13.99	14.27	15.20	15.49	17.16
	8H	15.28	15.52	16.49	16.72	18.41	14.26	14.50	15.48	15.70	17.39
	12H	15.44	15.66	16.66	16.85	18.57	14.40	14.61	15.62	15.81	17.53
12H	4H	14.32	14.63	15.53	15.83	17.50	13.38	13.69	14.59	14.89	16.56
	6H	15.01	15.26	16.23	16.46	18.15	14.05	14.29	15.27	15.49	17.18
	8H	15.32	15.54	16.54	16.74	18.45	14.34	14.56	15.56	15.76	17.48