

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: P1438700

Luminaire Tested: CB2-085U-030D-835-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438700
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-835-1D-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

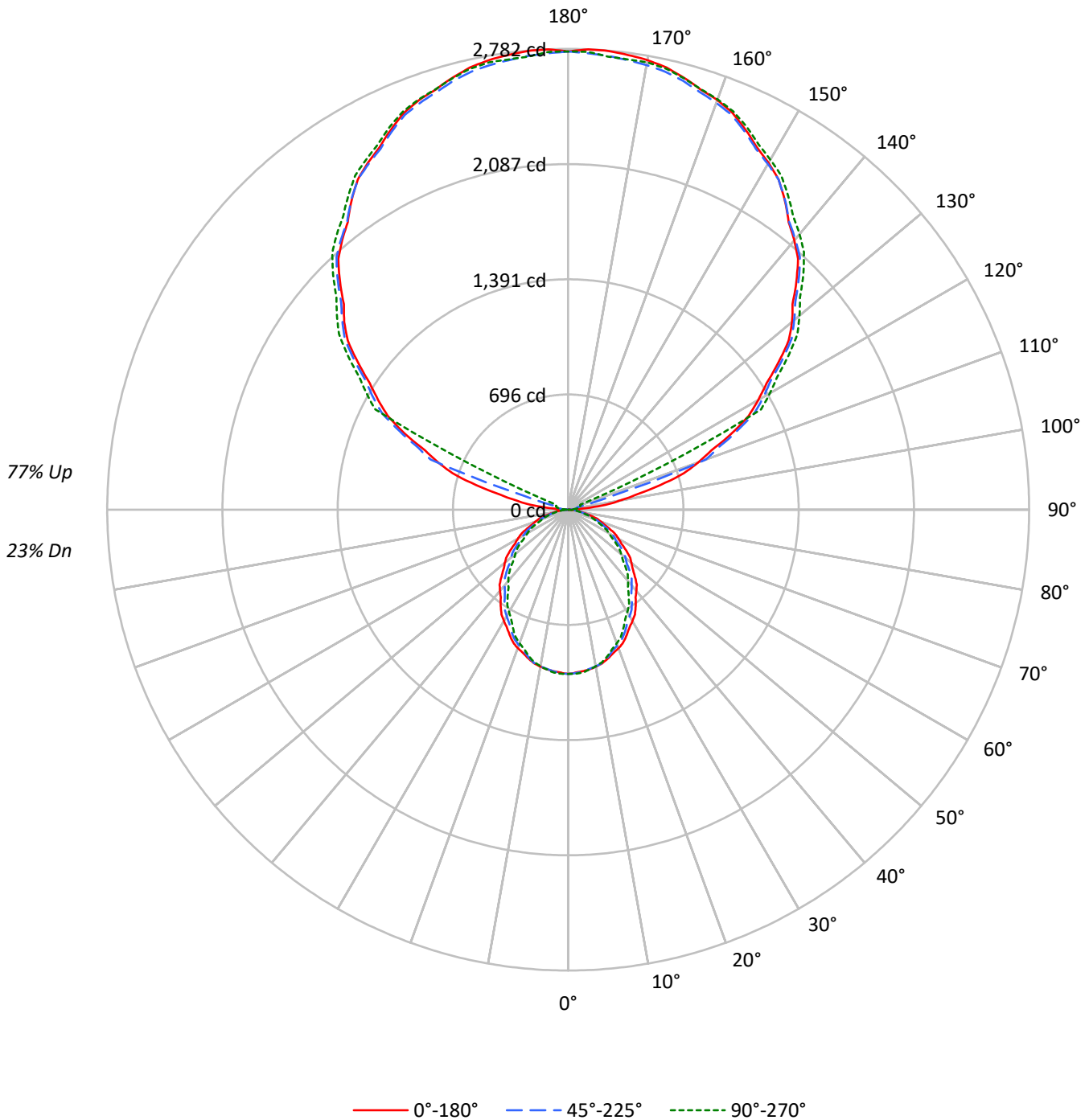
Lumens per Lamp: N/A
Luminaire Lumens: 10199.3 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Indirect

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°	8636	8636	8636
5°	8562	8576	8635
10°	8513	8494	8487
15°	8378	8323	8256
20°	8246	8064	7952
25°	8025	7799	7581
30°	7803	7459	7177
35°	7547	7111	6772
40°	7276	6785	6387
45°	7004	6442	6013
50°	6758	6110	5647
55°	6456	5764	5303
60°	6110	5436	4959
65°	5741	5069	4616
70°	5337	4660	4176
75°	4855	4216	3782
80°	4343	3691	3425
85°	3337	3038	2508

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7004 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	0.9
10°-20°	259.9	2.5
20°-30°	373.7	3.7
30°-40°	420.1	4.1
40°-50°	405.8	4.0
50°-60°	342.9	3.4
60°-70°	246.3	2.4
70°-80°	134.6	1.3
80°-90°	35.9	0.4
90°-100°	48.2	0.5
100°-110°	306.8	3.0
110°-120°	974.8	9.6
120°-130°	1414.5	13.9
130°-140°	1521.3	14.9
140°-150°	1432.4	14.0
150°-160°	1166.9	11.4
160°-170°	759.5	7.4
170°-180°	262.5	2.6
0°-30°	726.9	7.1
0°-40°	1147.0	11.2
0°-60°	1895.6	18.6
0°-90°	2312.4	22.7
90°-120°	1329.8	13.0
90°-150°	5698.0	55.9
90°-180°	7887.0	77.3
0°-180°	10199.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	992	992	992	992	992	
5°	979	993	981	981	988	93
15°	929	938	923	914	916	262
25°	835	836	812	793	789	384
35°	710	702	669	643	637	443
45°	569	557	523	496	488	439
55°	425	410	380	356	349	380
65°	279	268	246	228	224	276
75°	144	135	125	115	112	154
85°	33	31	30	26	25	40
90°	0	0	0	2	2	5
95°	110	32	34	22	20	139
105°	576	598	60	70	74	607
115°	1090	1114	1124	1137	652	1072
125°	1548	1575	1576	1602	1624	1384
135°	1948	1972	1968	1981	2006	1502
145°	2280	2298	2282	2285	2314	1425
155°	2532	2548	2520	2515	2550	1167
165°	2700	2708	2680	2669	2696	763
175°	2780	2786	2750	2732	2746	264
180°	2766	2766	2766	2766	2766	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	991.6	991.6	991.6	991.6	991.6
2.5°	984.9	996.8	987.9	989.2	991.0
5°	979.4	992.8	981.0	981.1	987.8
7.5°	972.4	985.1	970.2	967.4	973.7
10°	962.7	975.3	960.5	955.2	959.7
12.5°	950.0	962.0	947.7	939.4	943.3
15°	929.3	937.5	923.2	914.2	915.7
17.5°	906.8	911.9	891.4	883.7	882.2
20°	889.8	894.3	870.1	859.4	858.0
22.5°	868.0	871.8	846.4	833.3	831.2
25°	835.2	835.9	811.6	793.3	788.9
27.5°	800.9	798.5	771.5	749.9	744.1
30°	776.0	773.0	741.8	718.9	713.7
32.5°	749.2	743.9	712.6	687.9	682.7
35°	709.9	701.7	668.9	642.9	637.0
37.5°	668.0	658.8	626.5	598.3	591.6
40°	640.0	629.7	596.8	568.5	561.8
42.5°	612.1	600.5	567.0	538.8	531.5
45°	568.7	556.8	523.1	495.6	488.2
47.5°	527.4	512.2	479.5	452.2	444.8
50°	498.8	482.5	451.0	424.3	416.8
52.5°	469.7	452.7	422.4	396.9	389.5
55°	425.2	409.6	379.6	355.9	349.3
57.5°	381.1	366.1	338.8	316.2	309.6
60°	350.8	338.2	312.1	290.7	284.7
62.5°	321.6	310.2	285.3	265.8	259.8
65°	278.6	268.3	246.0	228.4	224.0
67.5°	236.9	226.5	208.5	192.7	187.7
70°	209.6	199.2	183.0	168.5	164.0
72.5°	183.4	172.4	159.3	146.0	142.7
75°	144.3	135.3	125.3	115.3	112.4
77.5°	109.6	101.0	93.7	86.7	85.9
80°	86.6	79.1	73.6	69.1	68.3
82.5°	64.7	59.0	55.4	52.1	51.9
85°	33.4	31.2	30.4	26.5	25.1
87.5°	9.7	9.7	8.5	7.7	7.7
90°	0.0	0.0	0.0	2.0	2.0
92.5°	30.4	11.6	8.0	11.6	11.6
95°	110.0	31.8	34.0	22.0	20.0
97.5°	228.4	51.2	49.2	54.0	56.0
100°	318.0	104.8	54.0	62.0	64.0
102.5°	417.2	394.9	55.6	66.9	70.4
105°	576.0	597.5	60.0	70.1	74.0
107.5°	732.0	753.5	279.2	72.5	76.4
110°	836.0	857.5	884.0	74.1	78.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	933.6	959.8	980.0	164.9	81.2
115°	1090.0	1113.5	1124.0	1137.0	652.0
117.5°	1228.0	1256.9	1268.8	1291.3	1313.2
120°	1324.0	1351.4	1360.0	1382.5	1406.0
122.5°	1418.4	1442.6	1448.0	1473.7	1495.6
125°	1548.0	1575.4	1576.0	1602.5	1624.0
127.5°	1677.6	1701.1	1700.0	1719.7	1743.6
130°	1764.0	1779.6	1780.0	1796.6	1822.0
132.5°	1836.0	1857.9	1858.4	1871.8	1897.2
135°	1948.0	1971.5	1968.0	1980.6	2006.0
137.5°	2053.2	2075.9	2069.6	2080.2	2106.4
140°	2122.0	2141.6	2132.0	2142.7	2172.0
142.5°	2186.0	2205.6	2191.2	2200.3	2231.2
145°	2280.0	2297.6	2282.0	2284.7	2314.0
147.5°	2363.6	2380.8	2362.0	2364.6	2392.0
150°	2418.0	2433.6	2410.0	2412.6	2440.0
152.5°	2466.0	2480.1	2454.8	2454.3	2486.4
155°	2532.0	2547.6	2520.0	2514.8	2550.0
157.5°	2592.0	2606.5	2578.8	2575.0	2602.4
160°	2632.0	2641.8	2614.0	2608.6	2636.0
162.5°	2659.2	2670.5	2642.8	2634.2	2661.6
165°	2700.0	2707.8	2680.0	2668.6	2696.0
167.5°	2735.2	2744.2	2708.4	2698.3	2727.6
170°	2756.0	2761.9	2726.0	2712.7	2742.0
172.5°	2768.8	2773.1	2737.2	2722.1	2742.0
175°	2780.0	2785.9	2750.0	2732.3	2746.0
177.5°	2782.0	2785.1	2758.0	2742.5	2766.0
180°	2766.0	2766.0	2766.0	2766.0	2766.0



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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	11.15	11.81	12.31	12.95	14.57	10.05	10.71	11.22	11.85	13.47
	3H	12.78	13.37	13.95	14.52	16.15	11.56	12.15	12.73	13.31	14.94
	4H	13.40	13.96	14.58	15.11	16.75	12.13	12.68	13.31	13.84	15.47
	6H	13.79	14.30	14.98	15.46	17.11	12.49	13.00	13.67	14.16	15.80
	8H	13.93	14.42	15.12	15.59	17.23	12.62	13.11	13.81	14.28	15.92
	12H	14.00	14.46	15.19	15.63	17.29	12.68	13.14	13.87	14.31	15.97
4H	2H	11.53	12.09	12.72	13.25	14.88	10.66	11.22	11.85	12.37	14.01
	3H	13.39	13.85	14.58	15.03	16.68	12.38	12.84	13.57	14.02	15.67
	4H	14.12	14.55	15.31	15.72	17.38	13.04	13.47	14.23	14.64	16.30
	6H	14.63	15.00	15.83	16.19	17.84	13.51	13.87	14.70	15.06	16.72
	8H	14.83	15.17	16.02	16.35	18.02	13.69	14.03	14.88	15.21	16.88
	12H	14.93	15.24	16.14	16.43	18.10	13.77	14.08	14.98	15.27	16.95
8H	4H	14.26	14.60	15.46	15.79	17.46	13.30	13.64	14.49	14.82	16.49
	6H	14.90	15.18	16.11	16.40	18.07	13.90	14.18	15.11	15.40	17.07
	8H	15.18	15.43	16.40	16.63	18.32	14.17	14.41	15.39	15.61	17.30
	12H	15.35	15.56	16.57	16.76	18.48	14.31	14.52	15.53	15.72	17.44
12H	4H	14.23	14.54	15.44	15.74	17.41	13.29	13.60	14.50	14.80	16.47
	6H	14.92	15.17	16.14	16.37	18.06	13.96	14.20	15.17	15.40	17.09
	8H	15.23	15.45	16.45	16.64	18.36	14.25	14.47	15.47	15.67	17.39