

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: P1439042

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439042
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-030D-927-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

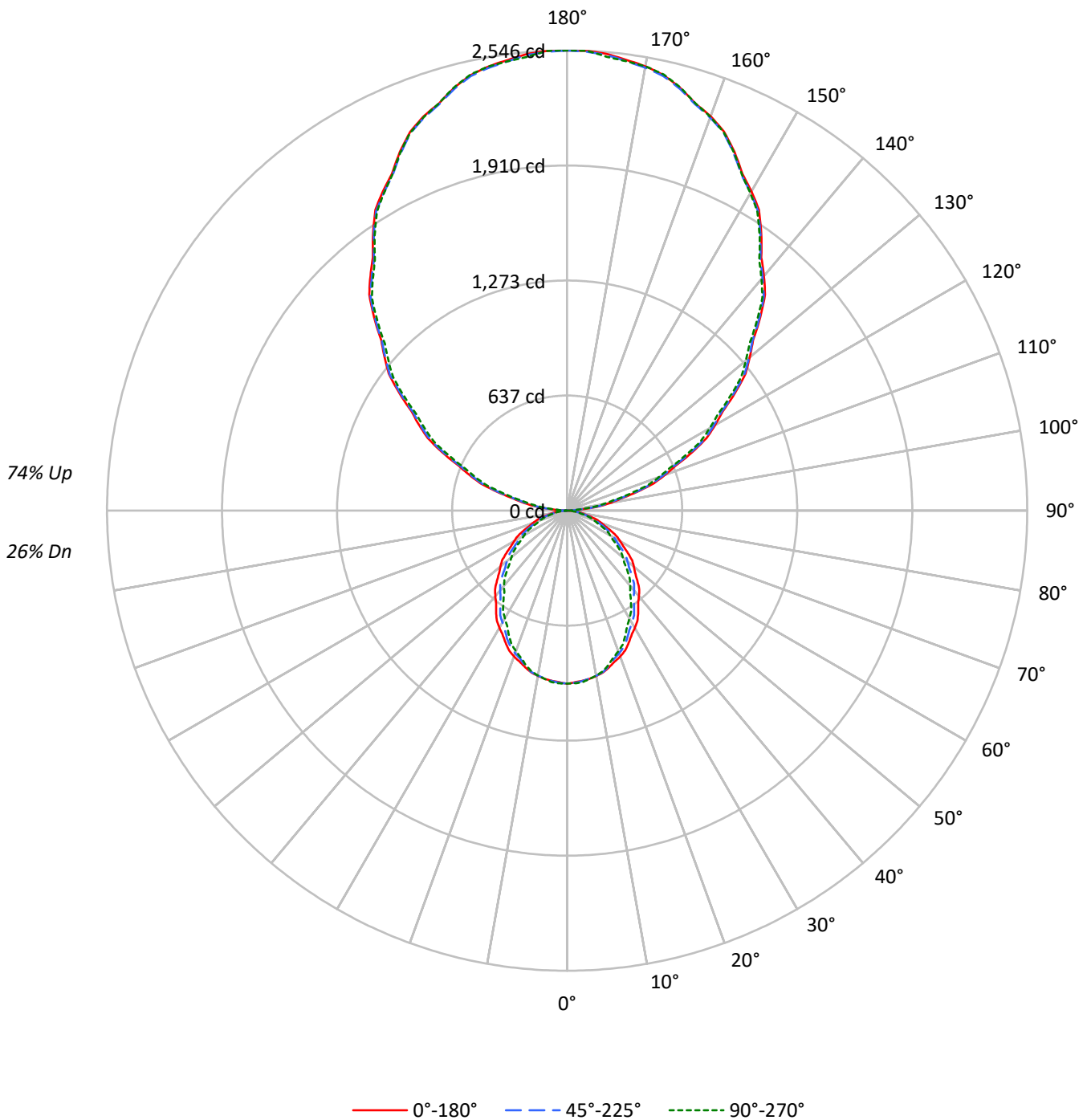
Lumens per Lamp: N/A
Luminaire Lumens: 8725.2 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Indirect

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										
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	0														
RCR																																						
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26																				
1	92	88	85	81	82	79	76	73	61	59	57	45	44	42	30	29	29	22																				
2	84	77	71	66	75	69	64	60	54	50	47	39	37	36	26	25	24	18																				
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	23	22	21	16																				
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	19	18	14																				
5	64	53	46	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12																				
6	59	48	40	34	53	43	36	31	34	29	25	25	22	20	17	15	14	10																				
7	55	43	35	30	49	39	32	27	30	26	22	23	20	17	16	14	12	9																				
8	51	39	31	26	45	35	29	24	28	23	20	21	18	15	14	12	11	8																				
9	47	35	28	23	42	32	26	21	25	21	17	19	16	14	13	11	10	8																				
10	44	32	25	21	39	29	23	19	23	19	16	18	14	12	12	10	9	7																				

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	1.0
10°-20°	251.0	2.9
20°-30°	360.9	4.1
30°-40°	405.6	4.6
40°-50°	391.8	4.5
50°-60°	331.1	3.8
60°-70°	237.8	2.7
70°-80°	130.0	1.5
80°-90°	34.7	0.4
90°-100°	98.4	1.1
100°-110°	405.6	4.6
110°-120°	736.3	8.4
120°-130°	1001.9	11.5
130°-140°	1156.6	13.3
140°-150°	1165.5	13.4
150°-160°	1005.8	11.5
160°-170°	681.7	7.8
170°-180°	240.5	2.8
0°-30°	701.9	8.0
0°-40°	1107.6	12.7
0°-60°	1830.5	21.0
0°-90°	2232.9	25.6
90°-120°	1240.2	14.2
90°-150°	4564.3	52.3
90°-180°	6492.0	74.4
0°-180°	8725.2	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	2	0	2	5
95°	95	84	79	62	62	111
105°	401	395	385	363	359	426
115°	762	761	747	725	723	752
125°	1134	1146	1122	1098	1100	1012
135°	1511	1529	1503	1476	1485	1164
145°	1872	1894	1865	1843	1857	1170
155°	2190	2212	2180	2167	2184	1007
165°	2421	2446	2415	2401	2423	682
175°	2536	2563	2530	2514	2520	241
180°	2546	2546	2546	2546	2546	



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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	8.6	7.0	7.4
90°	0.0	0.0	2.0	0.0	2.0
92.5°	23.8	20.7	19.5	12.8	14.7
95°	95.3	83.7	79.4	61.6	61.6
97.5°	179.9	168.3	162.0	143.7	139.8
100°	240.3	228.6	222.4	202.5	198.6
102.5°	302.2	296.8	285.9	264.4	260.5
105°	401.1	395.3	385.2	363.3	359.4
107.5°	502.8	503.9	488.9	470.9	465.4
110°	575.9	573.9	562.0	544.0	540.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	650.5	647.0	635.0	617.1	613.2
115°	762.5	760.6	746.6	724.7	722.8
117.5°	868.9	875.2	858.6	835.6	834.8
120°	945.2	953.0	933.3	913.3	909.5
122.5°	1019.9	1029.2	1009.5	986.5	987.3
125°	1133.8	1145.5	1121.9	1098.1	1100.1
127.5°	1243.8	1258.2	1236.3	1212.1	1214.5
130°	1318.5	1336.0	1312.6	1286.8	1290.7
132.5°	1394.8	1412.2	1388.8	1361.6	1368.5
135°	1511.1	1528.6	1503.2	1475.6	1485.3
137.5°	1620.7	1638.2	1610.4	1587.2	1598.9
140°	1693.8	1711.3	1681.9	1660.3	1672.0
142.5°	1765.3	1785.9	1755.0	1731.9	1746.6
145°	1872.5	1893.9	1864.6	1843.0	1856.6
147.5°	1974.2	1995.5	1965.8	1945.1	1959.1
150°	2039.3	2060.7	2029.4	2011.9	2027.4
152.5°	2099.7	2124.1	2091.3	2073.9	2094.1
155°	2190.2	2211.6	2180.3	2166.8	2184.3
157.5°	2268.9	2293.7	2262.5	2250.9	2264.9
160°	2321.3	2344.6	2313.3	2301.8	2317.3
162.5°	2361.0	2385.9	2356.2	2343.2	2361.8
165°	2420.6	2445.8	2414.6	2401.2	2422.6
167.5°	2467.4	2494.2	2462.7	2448.9	2470.6
170°	2496.0	2521.3	2488.1	2472.7	2496.0
172.5°	2515.1	2541.9	2507.2	2491.6	2507.2
175°	2535.7	2562.9	2529.8	2514.0	2519.9
177.5°	2545.7	2567.4	2540.9	2527.0	2545.7
180°	2545.7	2545.7	2545.7	2545.7	2545.7



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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	11.51	12.18	12.65	13.31	14.90	10.41	11.08	11.55	12.21	13.80
	3H	13.14	13.74	14.29	14.88	16.48	11.92	12.52	13.07	13.66	15.26
	4H	13.76	14.33	14.92	15.47	17.07	12.49	13.06	13.65	14.20	15.80
	6H	14.15	14.68	15.32	15.82	17.43	12.85	13.38	14.02	14.52	16.13
	8H	14.30	14.80	15.47	15.95	17.56	12.98	13.48	14.15	14.64	16.25
	12H	14.36	14.84	15.54	15.99	17.62	13.04	13.51	14.21	14.67	16.29
4H	2H	11.90	12.47	13.06	13.61	15.21	11.02	11.59	12.19	12.73	14.34
	3H	13.75	14.22	14.92	15.39	17.00	12.74	13.22	13.91	14.38	16.00
	4H	14.49	14.92	15.66	16.08	17.71	13.40	13.84	14.58	15.00	16.63
	6H	14.99	15.37	16.17	16.55	18.17	13.87	14.24	15.05	15.42	17.04
	8H	15.20	15.55	16.37	16.71	18.35	14.05	14.40	15.23	15.57	17.21
	12H	15.29	15.61	16.49	16.79	18.43	14.13	14.45	15.33	15.63	17.27
8H	4H	14.63	14.98	15.80	16.15	17.79	13.66	14.01	14.84	15.18	16.82
	6H	15.26	15.55	16.46	16.76	18.40	14.26	14.55	15.46	15.76	17.40
	8H	15.55	15.80	16.75	16.99	18.65	14.53	14.78	15.74	15.97	17.63
	12H	15.72	15.94	16.92	17.12	18.81	14.67	14.89	15.88	16.08	17.77
12H	4H	14.60	14.92	15.79	16.09	17.74	13.66	13.98	14.85	15.15	16.80
	6H	15.29	15.54	16.49	16.73	18.39	14.32	14.57	15.52	15.76	17.42
	8H	15.60	15.82	16.80	17.00	18.69	14.62	14.84	15.82	16.02	17.71