

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: P1439051

Luminaire Tested: CB2-D-085U-055D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439051
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-055D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

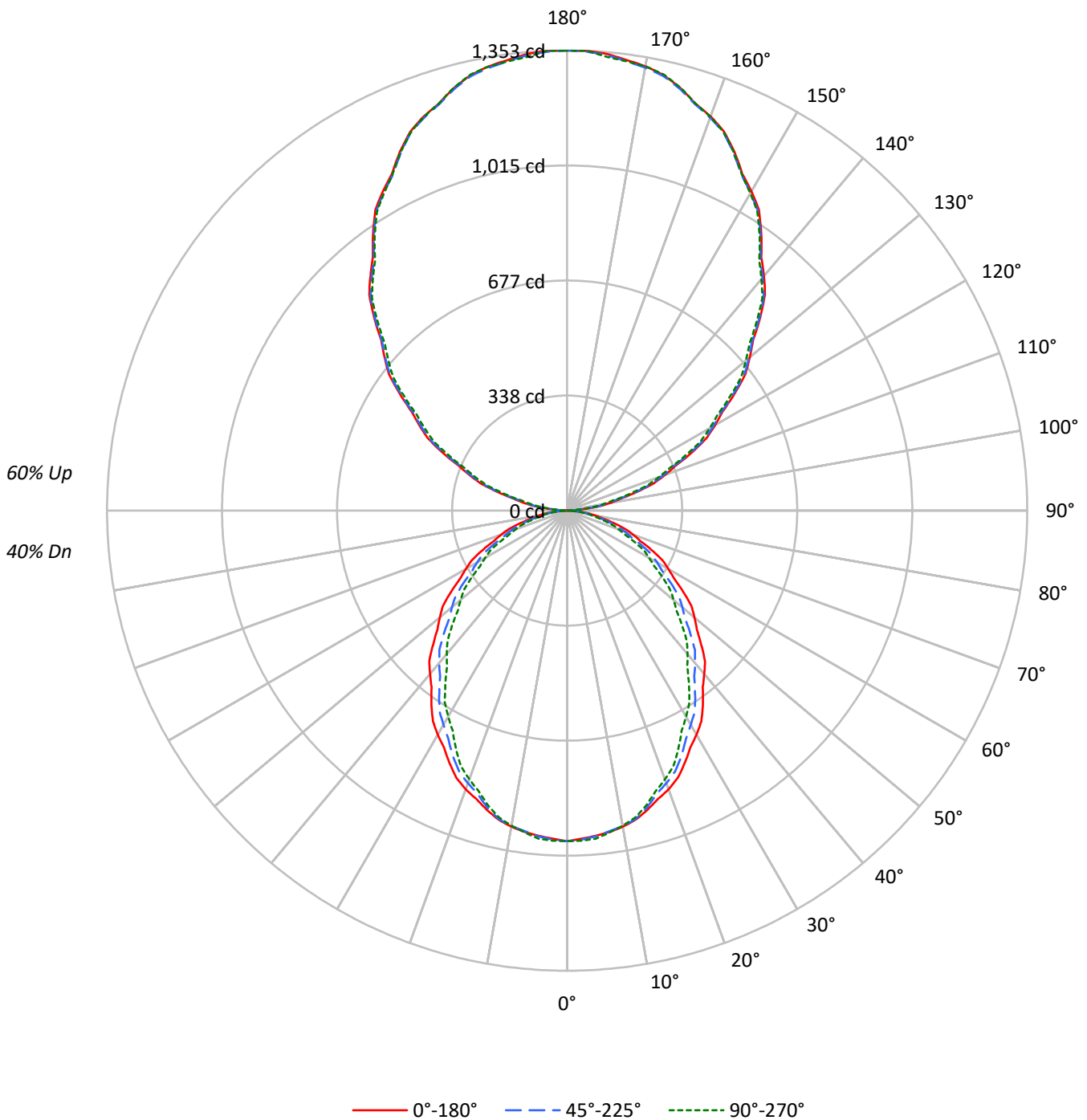
Lumens per Lamp: N/A
Luminaire Lumens: 5716.6 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 43
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	105	105	105	105	95	95	95	95	78	78	78	61	61	61	47	47	47	40
1	96	91	88	84	87	83	80	77	68	66	64	54	53	51	41	40	40	34
2	87	80	74	69	79	73	68	64	60	56	53	48	45	43	37	35	34	28
3	80	70	63	58	72	64	58	53	53	48	45	42	39	37	33	30	29	24
4	73	62	55	49	66	57	50	45	47	42	38	38	34	31	29	27	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	24	22	18
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16
7	57	45	37	32	52	41	34	30	34	29	25	28	24	21	22	19	17	14
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	17	15	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	26	22	18	22	18	15	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16930	16930	16930
5°	16786	16812	16930
10°	16690	16651	16639
15°	16427	16319	16185
20°	16168	15809	15588
25°	15734	15290	14861
30°	15297	14623	14070
35°	14797	13942	13276
40°	14265	13301	12523
45°	13732	12631	11789
50°	13250	11979	11072
55°	12657	11299	10397
60°	11980	10656	9722
65°	11255	9936	9050
70°	10460	9136	8189
75°	9516	8264	7416
80°	8506	7242	6720
85°	6535	5955	4916

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13732 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.4	1.6
10°-20°	254.8	4.5
20°-30°	366.4	6.4
30°-40°	411.8	7.2
40°-50°	397.8	7.0
50°-60°	336.1	5.9
60°-70°	241.4	4.2
70°-80°	131.9	2.3
80°-90°	35.1	0.6
90°-100°	52.3	0.9
100°-110°	215.5	3.8
110°-120°	391.3	6.8
120°-130°	532.4	9.3
130°-140°	614.6	10.8
140°-150°	619.4	10.8
150°-160°	534.5	9.3
160°-170°	362.2	6.3
170°-180°	127.8	2.2
0°-30°	712.6	12.5
0°-40°	1124.4	19.7
0°-60°	1858.2	32.5
0°-90°	2266.7	39.7
90°-120°	659.0	11.5
90°-150°	2425.4	42.4
90°-180°	3450.0	60.4
0°-180°	5716.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	972	972	972	972	972	
5°	960	973	962	962	968	91
15°	911	919	905	896	898	257
25°	819	819	796	778	773	377
35°	696	688	656	630	624	435
45°	558	546	513	486	479	431
55°	417	402	372	349	342	373
65°	273	263	241	224	220	271
75°	141	133	123	113	110	151
85°	33	31	30	26	25	39
90°	0	0	1	0	1	3
95°	51	44	42	33	33	59
105°	213	210	205	193	191	226
115°	405	404	397	385	384	400
125°	602	609	596	584	585	538
135°	803	812	799	784	789	618
145°	995	1006	991	979	987	622
155°	1164	1175	1159	1151	1161	535
165°	1286	1300	1283	1276	1287	362
175°	1348	1362	1344	1336	1339	128
180°	1353	1353	1353	1353	1353	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	972.0	972.0	972.0	972.0	972.0
2.5°	965.5	977.1	968.4	969.7	971.4
5°	960.1	973.2	961.6	961.7	968.3
7.5°	953.3	965.6	951.0	948.3	954.4
10°	943.7	956.1	941.5	936.4	940.8
12.5°	931.2	943.0	929.0	920.9	924.7
15°	911.0	919.0	905.0	896.1	897.6
17.5°	889.0	893.9	873.8	866.3	864.8
20°	872.3	876.6	852.9	842.5	841.0
22.5°	850.8	854.6	829.7	816.9	814.8
25°	818.7	819.4	795.6	777.7	773.3
27.5°	785.1	782.7	756.3	735.1	729.4
30°	760.6	757.7	727.1	704.7	699.6
32.5°	734.4	729.2	698.6	674.3	669.2
35°	695.9	687.9	655.7	630.3	624.4
37.5°	654.8	645.8	614.2	586.5	579.9
40°	627.4	617.2	585.0	557.3	550.8
42.5°	600.0	588.7	555.8	528.1	521.0
45°	557.5	545.8	512.8	485.8	478.6
47.5°	517.0	502.1	470.1	443.3	436.0
50°	489.0	473.0	442.1	415.9	408.6
52.5°	460.4	443.8	414.1	389.1	381.8
55°	416.8	401.5	372.1	348.9	342.4
57.5°	373.6	358.9	332.1	309.9	303.5
60°	343.9	331.5	305.9	284.9	279.1
62.5°	315.3	304.1	279.7	260.5	254.7
65°	273.1	263.0	241.1	223.9	219.6
67.5°	232.2	222.0	204.4	188.9	184.0
70°	205.4	195.2	179.4	165.1	160.8
72.5°	179.8	169.0	156.1	143.1	139.9
75°	141.4	132.7	122.8	113.1	110.2
77.5°	107.5	99.0	91.8	85.0	84.3
80°	84.8	77.6	72.2	67.7	67.0
82.5°	63.4	57.9	54.3	51.1	50.9
85°	32.7	30.6	29.8	26.0	24.6
87.5°	9.5	9.5	8.5	7.1	7.4
90°	0.0	0.0	1.1	0.0	1.1
92.5°	12.7	11.0	10.3	6.8	7.8
95°	50.6	44.5	42.2	32.7	32.7
97.5°	95.6	89.4	86.1	76.3	74.3
100°	127.7	121.5	118.2	107.6	105.5
102.5°	160.6	157.7	151.9	140.5	138.4
105°	213.1	210.1	204.7	193.1	191.0
107.5°	267.2	267.8	259.8	250.2	247.3
110°	306.0	305.0	298.6	289.1	287.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	345.7	343.8	337.4	327.9	325.8
115°	405.2	404.2	396.7	385.1	384.1
117.5°	461.7	465.1	456.3	444.0	443.6
120°	502.3	506.4	495.9	485.3	483.3
122.5°	541.9	546.9	536.5	524.2	524.6
125°	602.5	608.7	596.2	583.5	584.6
127.5°	661.0	668.6	657.0	644.1	645.4
130°	700.6	709.9	697.5	683.8	685.9
132.5°	741.2	750.4	738.0	723.5	727.2
135°	803.0	812.3	798.8	784.1	789.3
137.5°	861.2	870.5	855.8	843.4	849.6
140°	900.1	909.4	893.7	882.3	888.5
142.5°	938.1	949.0	932.6	920.3	928.1
145°	995.0	1006.4	990.8	979.4	986.6
147.5°	1049.1	1060.4	1044.6	1033.6	1041.0
150°	1083.7	1095.0	1078.4	1069.1	1077.3
152.5°	1115.8	1128.8	1111.3	1102.1	1112.8
155°	1163.9	1175.2	1158.6	1151.4	1160.7
157.5°	1205.7	1218.9	1202.3	1196.1	1203.5
160°	1233.5	1245.9	1229.3	1223.1	1231.4
162.5°	1254.6	1267.8	1252.1	1245.1	1255.0
165°	1286.3	1299.7	1283.1	1276.0	1287.3
167.5°	1311.2	1325.4	1308.6	1301.3	1312.9
170°	1326.4	1339.8	1322.1	1314.0	1326.4
172.5°	1336.5	1350.7	1332.3	1324.0	1332.3
175°	1347.5	1361.9	1344.3	1335.9	1339.0
177.5°	1352.7	1364.3	1350.2	1342.8	1352.7
180°	1352.7	1352.7	1352.7	1352.7	1352.7



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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	15.79	16.55	16.83	17.60	19.01	14.69	15.46	15.73	16.50	17.92
	3H	17.43	18.11	18.48	19.17	20.60	16.21	16.90	17.26	17.95	19.38
	4H	18.05	18.70	19.11	19.76	21.20	16.78	17.43	17.84	18.49	19.93
	6H	18.45	19.05	19.52	20.11	21.56	17.15	17.74	18.22	18.81	20.26
	8H	18.59	19.16	19.67	20.24	21.69	17.28	17.85	18.36	18.93	20.38
	12H	18.66	19.21	19.75	20.28	21.75	17.34	17.88	18.43	18.96	20.42
4H	2H	16.19	16.84	17.26	17.89	19.33	15.31	15.96	16.38	17.02	18.46
	3H	18.05	18.59	19.12	19.67	21.13	17.04	17.58	18.12	18.67	20.12
	4H	18.79	19.29	19.87	20.36	21.83	17.71	18.21	18.79	19.28	20.75
	6H	19.30	19.73	20.40	20.83	22.30	18.18	18.60	19.27	19.70	21.17
	8H	19.51	19.90	20.60	21.00	22.48	18.37	18.76	19.46	19.86	21.34
	12H	19.61	19.97	20.72	21.07	22.56	18.45	18.81	19.56	19.91	21.40
8H	4H	18.94	19.34	20.03	20.43	21.91	17.97	18.37	19.07	19.46	20.95
	6H	19.58	19.90	20.69	21.04	22.52	18.57	18.90	19.69	20.04	21.52
	8H	19.87	20.15	20.99	21.27	22.77	18.85	19.14	19.97	20.25	21.75
	12H	20.04	20.29	21.16	21.40	22.94	18.99	19.25	20.12	20.36	21.90
12H	4H	18.91	19.27	20.02	20.38	21.87	17.97	18.33	19.08	19.44	20.93
	6H	19.60	19.89	20.72	21.01	22.51	18.64	18.92	19.76	20.04	21.54
	8H	19.92	20.17	21.04	21.28	22.82	18.94	19.19	20.06	20.30	21.84