

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: P1439043

Luminaire Tested: CB2-D-085U-030D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439043
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-930-1D-UNV-STD-W-4
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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

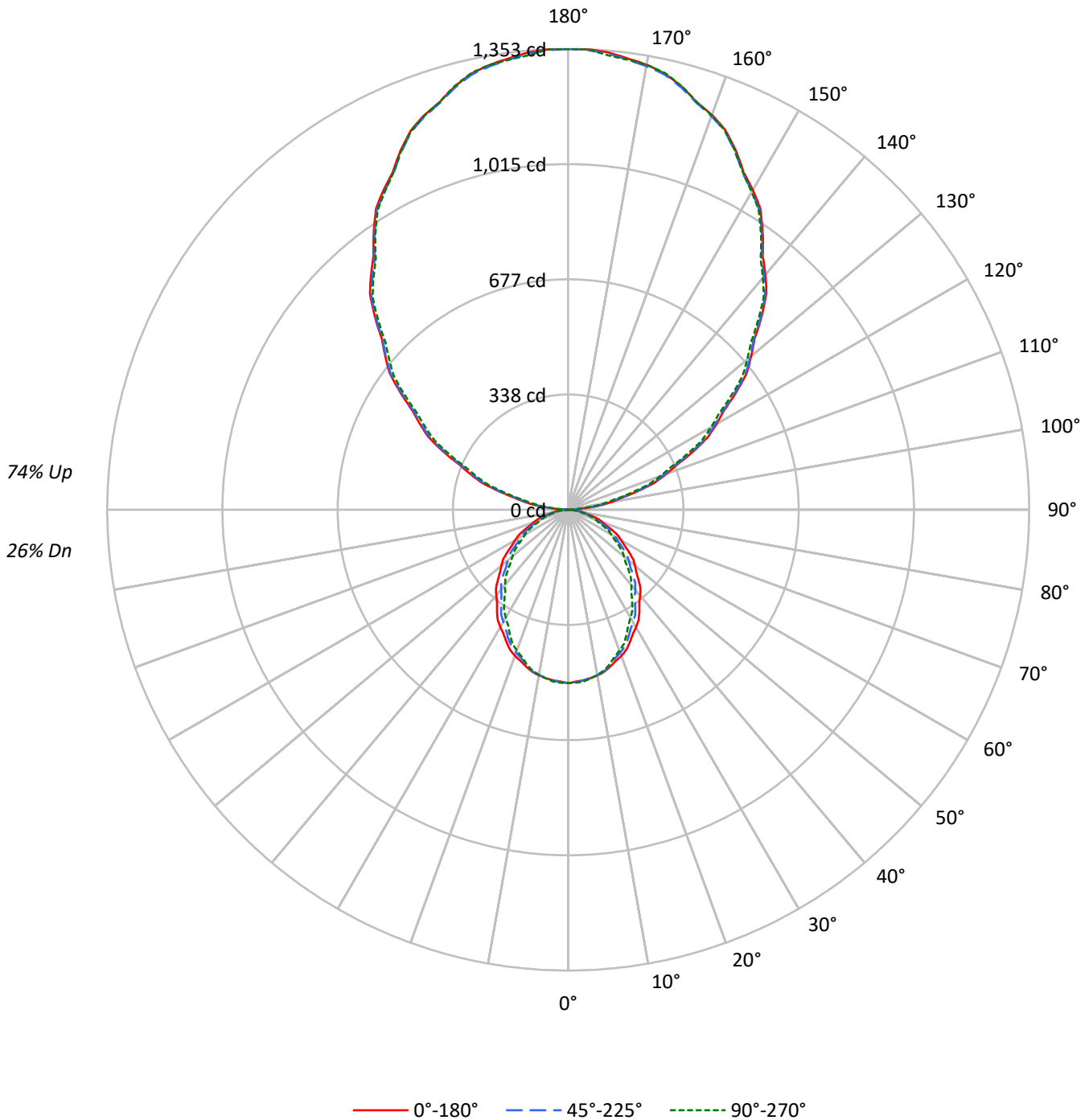
Lumens per Lamp: N/A
Luminaire Lumens: 4636.5 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 34.1
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										
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°	8862	8862	8862
5°	8787	8801	8863
10°	8737	8716	8709
15°	8599	8542	8473
20°	8463	8276	8159
25°	8237	8004	7779
30°	8009	7655	7365
35°	7746	7297	6951
40°	7467	6962	6555
45°	7188	6611	6170
50°	6937	6270	5796
55°	6626	5915	5442
60°	6270	5577	5089
65°	5893	5201	4735
70°	5474	4782	4288
75°	4980	4327	3883
80°	4453	3791	3521
85°	3417	3118	2578

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°	47.8	1.0
10°-20°	133.4	2.9
20°-30°	191.8	4.1
30°-40°	215.6	4.6
40°-50°	208.2	4.5
50°-60°	175.9	3.8
60°-70°	126.4	2.7
70°-80°	69.1	1.5
80°-90°	18.4	0.4
90°-100°	52.3	1.1
100°-110°	215.5	4.6
110°-120°	391.3	8.4
120°-130°	532.4	11.5
130°-140°	614.6	13.3
140°-150°	619.4	13.4
150°-160°	534.5	11.5
160°-170°	362.2	7.8
170°-180°	127.8	2.8
0°-30°	373.0	8.0
0°-40°	588.6	12.7
0°-60°	972.7	21.0
0°-90°	1186.5	25.6
90°-120°	659.0	14.2
90°-150°	2425.4	52.3
90°-180°	3450.0	74.4
0°-180°	4636.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	509	509	509	509	509	
5°	503	509	503	503	507	48
15°	477	481	474	469	470	134
25°	429	429	416	407	405	197
35°	364	360	343	330	327	228
45°	292	286	268	254	250	225
55°	218	210	195	183	179	195
65°	143	138	126	117	115	142
75°	74	70	64	59	58	79
85°	17	16	16	14	13	20
90°	0	0	1	0	1	2
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°	508.8	508.8	508.8	508.8	508.8
2.5°	505.4	511.5	506.9	507.6	508.5
5°	502.6	509.4	503.4	503.4	506.9
7.5°	499.0	505.5	497.8	496.4	499.6
10°	494.0	500.5	492.8	490.2	492.4
12.5°	487.5	493.6	486.3	482.1	484.0
15°	476.9	481.1	473.7	469.1	469.9
17.5°	465.3	467.9	457.4	453.5	452.7
20°	456.6	458.9	446.5	441.0	440.2
22.5°	445.4	447.4	434.3	427.6	426.5
25°	428.6	428.9	416.5	407.1	404.8
27.5°	410.9	409.7	395.9	384.8	381.8
30°	398.2	396.6	380.6	368.9	366.2
32.5°	384.5	381.7	365.7	353.0	350.3
35°	364.3	360.1	343.2	329.9	326.9
37.5°	342.8	338.0	321.5	307.0	303.6
40°	328.4	323.1	306.2	291.7	288.3
42.5°	314.1	308.1	290.9	276.4	272.7
45°	291.8	285.7	268.4	254.3	250.5
47.5°	270.6	262.8	246.1	232.0	228.2
50°	256.0	247.6	231.4	217.7	213.9
52.5°	241.0	232.3	216.8	203.7	199.9
55°	218.2	210.2	194.8	182.6	179.2
57.5°	195.6	187.9	173.8	162.2	158.9
60°	180.0	173.5	160.1	149.1	146.1
62.5°	165.0	159.2	146.4	136.4	133.3
65°	143.0	137.6	126.2	117.2	114.9
67.5°	121.6	116.2	107.0	98.9	96.3
70°	107.5	102.2	93.9	86.4	84.2
72.5°	94.1	88.5	81.7	74.9	73.2
75°	74.0	69.5	64.3	59.2	57.7
77.5°	56.3	51.8	48.1	44.5	44.1
80°	44.4	40.6	37.8	35.4	35.1
82.5°	33.2	30.3	28.4	26.7	26.6
85°	17.1	16.0	15.6	13.6	12.9
87.5°	5.0	5.0	4.6	3.7	4.0
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	11.72	12.39	12.86	13.53	15.11	10.62	11.29	11.76	12.42	14.01
	3H	13.35	13.95	14.50	15.09	16.69	12.13	12.74	13.29	13.88	15.47
	4H	13.97	14.54	15.13	15.68	17.29	12.70	13.27	13.86	14.41	16.01
	6H	14.36	14.89	15.53	16.03	17.65	13.06	13.59	14.23	14.73	16.34
	8H	14.51	15.01	15.68	16.16	17.77	13.20	13.70	14.37	14.85	16.46
	12H	14.57	15.05	15.75	16.20	17.83	13.25	13.73	14.43	14.88	16.51
4H	2H	12.11	12.68	13.27	13.82	15.42	11.23	11.80	12.40	12.94	14.55
	3H	13.96	14.44	15.13	15.60	17.22	12.95	13.43	14.12	14.59	16.21
	4H	14.70	15.14	15.87	16.29	17.92	13.62	14.05	14.79	15.21	16.84
	6H	15.21	15.58	16.39	16.76	18.38	14.08	14.46	15.26	15.63	17.26
	8H	15.41	15.76	16.58	16.93	18.57	14.27	14.62	15.44	15.78	17.42
	12H	15.50	15.82	16.70	17.00	18.65	14.34	14.66	15.54	15.84	17.49
8H	4H	14.84	15.19	16.02	16.36	18.00	13.87	14.22	15.05	15.39	17.03
	6H	15.47	15.76	16.67	16.97	18.61	14.47	14.76	15.67	15.97	17.61
	8H	15.76	16.01	16.96	17.20	18.86	14.74	15.00	15.95	16.18	17.84
	12H	15.93	16.15	17.13	17.33	19.02	14.88	15.11	16.09	16.29	17.98
12H	4H	14.81	15.13	16.00	16.31	17.95	13.87	14.19	15.06	15.37	17.01
	6H	15.50	15.75	16.70	16.94	18.60	14.53	14.78	15.73	15.97	17.63
	8H	15.81	16.03	17.01	17.21	18.90	14.83	15.05	16.04	16.24	17.92