

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: P1439563

Luminaire Tested: CB3-D-085U-030D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439563
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-085U-030D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

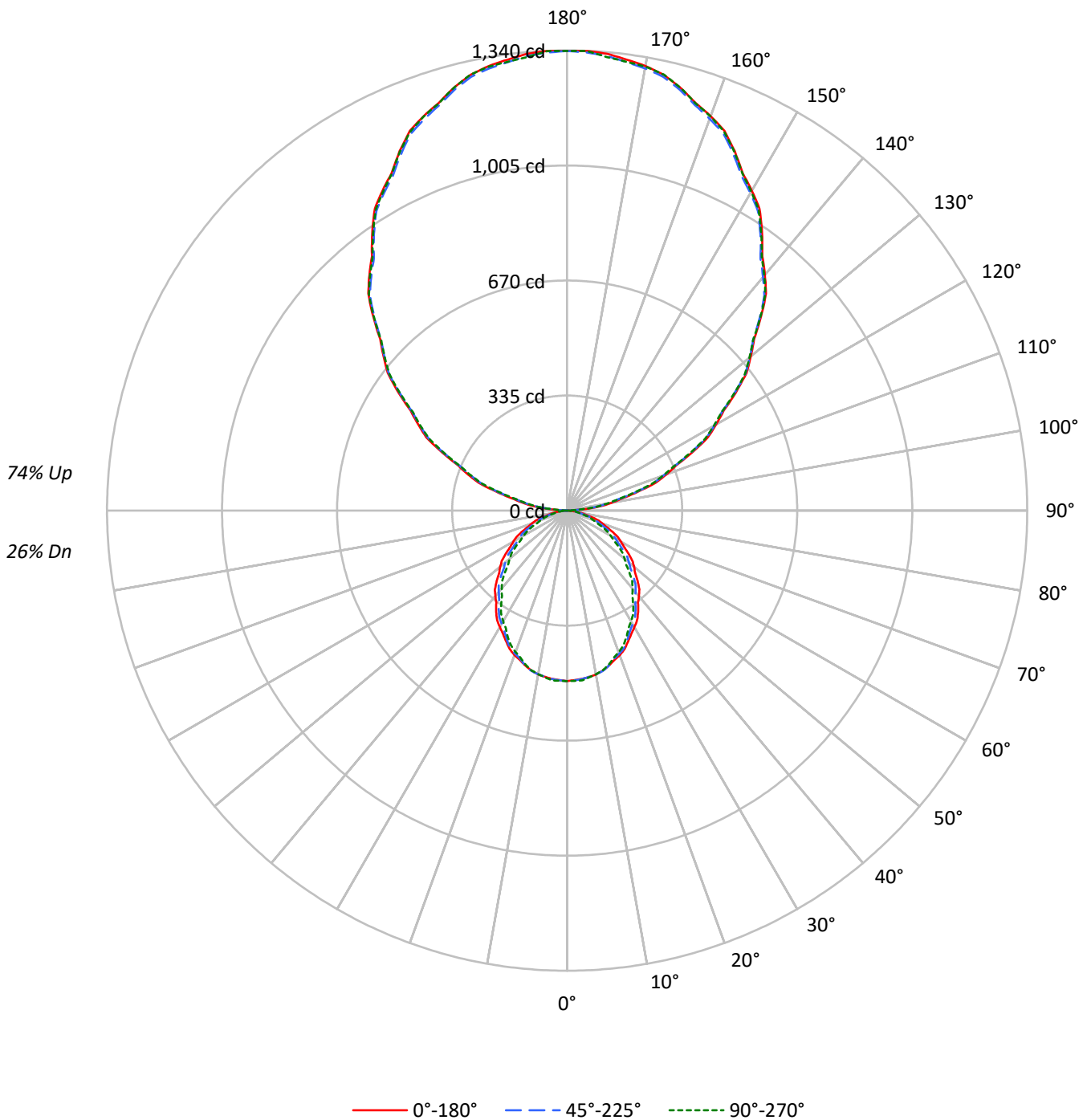
Lumens per Lamp: N/A
Luminaire Lumens: 4636.4 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 32.4
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	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	19	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°	5619	5619	5619
5°	5591	5596	5639
10°	5568	5560	5560
15°	5483	5483	5449
20°	5394	5339	5280
25°	5246	5180	5089
30°	5118	4984	4865
35°	4982	4798	4629
40°	4803	4574	4376
45°	4640	4376	4106
50°	4473	4138	3841
55°	4290	3908	3590
60°	4094	3670	3306
65°	3863	3403	3007
70°	3599	3087	2676
75°	3261	2706	2387
80°	2841	2267	2111
85°	2194	1921	1921

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4640 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.9	1.0
10°-20°	131.6	2.8
20°-30°	191.0	4.1
30°-40°	217.0	4.7
40°-50°	210.6	4.5
50°-60°	177.8	3.8
60°-70°	126.5	2.7
70°-80°	67.6	1.5
80°-90°	17.9	0.4
90°-100°	56.6	1.2
100°-110°	221.3	4.8
110°-120°	394.4	8.5
120°-130°	533.7	11.5
130°-140°	613.6	13.2
140°-150°	615.7	13.3
150°-160°	529.5	11.4
160°-170°	358.4	7.7
170°-180°	126.4	2.7
0°-30°	369.5	8.0
0°-40°	586.4	12.6
0°-60°	974.9	21.0
0°-90°	1186.9	25.6
90°-120°	672.2	14.5
90°-150°	2435.2	52.5
90°-180°	3450.0	74.4
0°-180°	4636.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	497	497	497	497	497	
5°	492	498	493	492	496	47
15°	468	472	468	465	465	132
25°	420	422	415	409	408	194
35°	361	357	347	337	335	225
45°	290	286	274	260	257	224
55°	218	212	198	185	182	194
65°	144	139	127	116	112	143
75°	75	70	62	56	55	80
85°	17	16	15	15	15	20
90°	0	0	0	0	0	3
95°	54	49	44	41	42	62
105°	214	214	206	203	201	229
115°	402	404	395	394	393	399
125°	599	606	594	592	593	536
135°	798	806	793	787	795	615
145°	989	997	981	976	985	618
155°	1154	1165	1145	1140	1152	531
165°	1275	1286	1268	1262	1275	359
175°	1335	1347	1329	1321	1326	127
180°	1338	1338	1338	1338	1338	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	496.6	496.6	496.6	496.6	496.6
2.5°	494.0	499.0	494.6	495.2	496.3
5°	492.3	498.5	492.7	492.1	496.5
7.5°	488.5	494.2	488.1	486.7	489.8
10°	484.6	490.8	483.9	482.2	483.9
12.5°	477.6	484.0	478.6	475.7	477.1
15°	468.1	472.2	468.1	465.2	465.2
17.5°	456.4	460.8	453.0	451.0	450.0
20°	448.0	451.8	443.4	440.6	438.5
22.5°	436.7	440.3	433.3	427.6	426.1
25°	420.2	421.6	414.9	409.3	407.6
27.5°	404.7	405.0	395.9	389.0	386.7
30°	391.7	392.1	381.5	374.1	372.4
32.5°	378.8	377.7	367.7	358.9	357.7
35°	360.7	357.3	347.4	337.1	335.1
37.5°	339.0	336.9	325.2	314.9	311.8
40°	325.2	321.8	309.7	299.4	296.3
42.5°	311.4	307.4	295.1	283.7	280.3
45°	290.0	285.5	273.5	260.4	256.6
47.5°	268.5	263.6	250.3	237.6	233.4
50°	254.1	248.9	235.1	222.7	218.2
52.5°	239.5	234.0	220.2	207.5	203.8
55°	217.5	211.7	198.1	185.4	182.0
57.5°	195.5	189.8	176.3	164.3	160.1
60°	180.9	175.4	162.2	150.2	146.1
62.5°	166.0	160.7	147.9	136.1	132.3
65°	144.3	139.1	127.1	115.7	112.3
67.5°	122.8	118.4	106.5	96.1	93.3
70°	108.8	104.6	93.3	83.7	80.9
72.5°	95.2	90.8	80.0	71.9	70.0
75°	74.6	70.5	61.9	55.6	54.6
77.5°	55.7	52.4	45.0	41.4	40.8
80°	43.6	40.5	34.8	32.4	32.4
82.5°	32.4	29.8	26.1	25.1	25.1
85°	16.9	15.5	14.8	14.8	14.8
87.5°	5.1	5.1	4.8	4.5	4.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	14.8	13.2	8.2	6.6	6.6
95°	54.4	49.4	44.1	41.1	42.1
97.5°	100.4	95.6	89.1	86.0	86.8
100°	132.4	128.4	121.1	118.0	118.0
102.5°	163.6	161.2	153.9	150.9	151.7
105°	214.5	213.5	206.3	203.2	201.1
107.5°	270.7	268.9	260.9	260.6	258.8
110°	306.9	305.8	298.6	297.6	296.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	343.8	345.2	337.2	336.2	335.2
115°	402.3	404.3	395.1	394.1	393.1
117.5°	462.2	465.0	455.2	454.2	452.4
120°	500.8	506.8	494.7	493.6	492.6
122.5°	540.2	545.4	534.1	532.2	532.0
125°	599.3	606.4	594.2	592.2	593.2
127.5°	658.4	665.7	654.3	650.3	652.5
130°	697.9	705.9	693.8	689.7	692.7
132.5°	738.1	746.1	734.0	730.0	734.6
135°	798.4	806.5	793.3	787.3	795.4
137.5°	857.3	864.4	850.0	845.8	854.3
140°	895.9	903.0	887.7	882.8	892.8
142.5°	933.7	941.5	924.7	919.8	930.6
145°	989.3	997.3	981.1	976.2	985.2
147.5°	1042.7	1050.9	1034.5	1028.7	1038.0
150°	1075.5	1084.6	1067.3	1062.4	1072.4
152.5°	1107.5	1117.4	1099.3	1093.7	1106.1
155°	1154.5	1164.6	1145.3	1140.5	1152.5
157.5°	1196.8	1206.1	1188.6	1183.7	1194.2
160°	1222.3	1232.3	1214.1	1209.2	1221.3
162.5°	1244.4	1254.5	1237.9	1231.4	1243.4
165°	1274.6	1285.7	1268.5	1261.6	1274.6
167.5°	1299.9	1311.7	1293.5	1287.2	1300.3
170°	1314.6	1325.7	1307.5	1299.5	1312.6
172.5°	1324.5	1335.5	1317.3	1309.3	1318.3
175°	1335.2	1347.2	1329.0	1320.9	1325.9
177.5°	1339.9	1349.5	1335.0	1327.8	1339.1
180°	1338.2	1338.2	1338.2	1338.2	1338.2



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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	10.28	10.95	11.42	12.08	13.67	9.20	9.87	10.35	11.01	12.59
	3H	11.93	12.53	13.08	13.67	15.27	10.60	11.20	11.75	12.34	13.94
	4H	12.55	13.12	13.71	14.26	15.87	11.11	11.68	12.27	12.82	14.42
	6H	12.93	13.45	14.10	14.60	16.21	11.42	11.94	12.58	13.09	14.70
	8H	13.06	13.56	14.23	14.72	16.32	11.53	12.04	12.70	13.19	14.80
	12H	13.12	13.59	14.29	14.75	16.37	11.60	12.08	12.78	13.23	14.86
4H	2H	10.66	11.24	11.83	12.38	13.98	9.81	10.38	10.97	11.52	13.12
	3H	12.54	13.01	13.71	14.18	15.79	11.41	11.88	12.58	13.05	14.66
	4H	13.28	13.72	14.45	14.87	16.50	12.01	12.45	13.18	13.60	15.23
	6H	13.77	14.14	14.95	15.32	16.94	12.41	12.78	13.59	13.96	15.58
	8H	13.95	14.30	15.13	15.47	17.11	12.57	12.92	13.75	14.09	15.73
	12H	14.04	14.36	15.24	15.54	17.18	12.67	12.99	13.86	14.17	15.81
8H	4H	13.39	13.74	14.57	14.91	16.55	12.25	12.60	13.43	13.77	15.41
	6H	14.00	14.29	15.20	15.50	17.14	12.77	13.06	13.97	14.27	15.91
	8H	14.28	14.53	15.48	15.71	17.37	13.03	13.28	14.23	14.46	16.12
	12H	14.43	14.65	15.64	15.84	17.53	13.19	13.41	14.40	14.60	16.29
12H	4H	13.36	13.67	14.55	14.85	16.50	12.25	12.56	13.44	13.74	15.39
	6H	14.02	14.27	15.22	15.46	17.11	12.83	13.08	14.03	14.27	15.93
	8H	14.31	14.53	15.51	15.71	17.40	13.10	13.32	14.31	14.51	16.20