

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: P1439047

Luminaire Tested: CB2-D-085U-030D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439047
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-940-1D-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

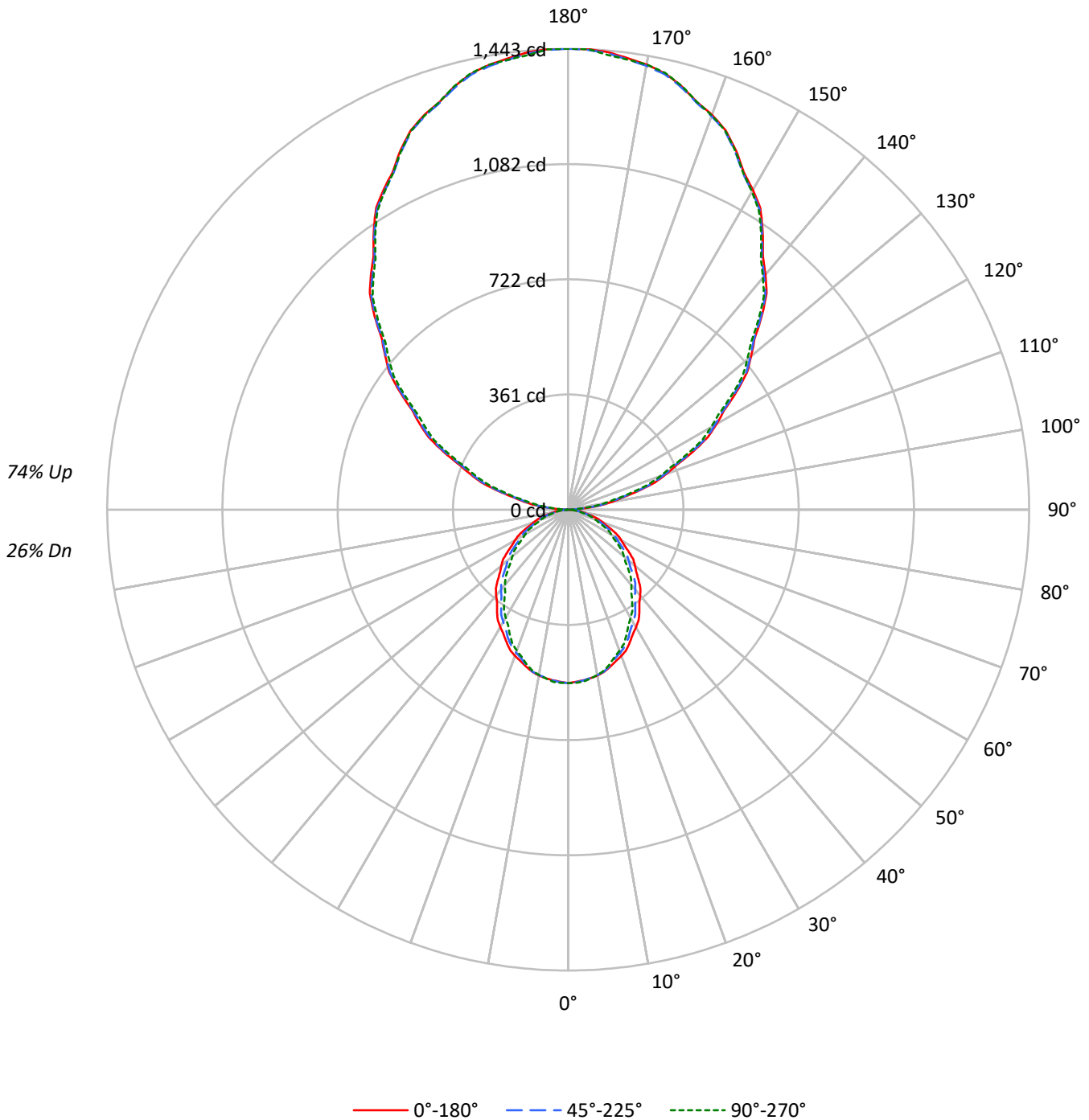
Lumens per Lamp: N/A
Luminaire Lumens: 4947.3 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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				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	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°	9456	9456	9456
5°	9377	9391	9455
10°	9322	9301	9294
15°	9175	9115	9039
20°	9030	8830	8708
25°	8788	8540	8300
30°	8546	8169	7860
35°	8265	7786	7416
40°	7967	7428	6994
45°	7670	7055	6584
50°	7400	6690	6183
55°	7069	6313	5806
60°	6692	5953	5431
65°	6289	5551	5053
70°	5841	5103	4573
75°	5316	4616	4139
80°	4754	4042	3751
85°	3657	3317	2738

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7670 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.1	1.0
10°-20°	142.3	2.9
20°-30°	204.6	4.1
30°-40°	230.0	4.6
40°-50°	222.2	4.5
50°-60°	187.7	3.8
60°-70°	134.8	2.7
70°-80°	73.7	1.5
80°-90°	19.6	0.4
90°-100°	55.8	1.1
100°-110°	230.0	4.6
110°-120°	417.5	8.4
120°-130°	568.1	11.5
130°-140°	655.8	13.3
140°-150°	660.9	13.4
150°-160°	570.3	11.5
160°-170°	386.5	7.8
170°-180°	136.4	2.8
0°-30°	398.0	8.0
0°-40°	628.0	12.7
0°-60°	1037.9	21.0
0°-90°	1266.1	25.6
90°-120°	703.2	14.2
90°-150°	2588.0	52.3
90°-180°	3681.0	74.4
0°-180°	4947.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	543	543	543	543	543	
5°	536	544	537	537	541	51
15°	509	513	506	500	501	143
25°	457	458	444	434	432	211
35°	389	384	366	352	349	243
45°	311	305	286	271	267	241
55°	233	224	208	195	191	208
65°	153	147	135	125	123	151
75°	79	74	69	63	62	84
85°	18	17	17	14	14	22
90°	0	0	1	0	1	3
95°	54	47	45	35	35	63
105°	227	224	218	206	204	241
115°	432	431	423	411	410	427
125°	643	650	636	623	624	574
135°	857	867	852	837	842	660
145°	1062	1074	1057	1045	1053	663
155°	1242	1254	1236	1229	1238	571
165°	1372	1387	1369	1362	1374	387
175°	1438	1453	1434	1426	1429	136
180°	1443	1443	1443	1443	1443	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	542.9	542.9	542.9	542.9	542.9
2.5°	539.3	545.8	540.9	541.6	542.6
5°	536.3	543.6	537.1	537.2	540.8
7.5°	532.4	539.4	531.2	529.7	533.1
10°	527.1	534.0	525.9	523.0	525.5
12.5°	520.1	526.7	518.9	514.4	516.5
15°	508.8	513.3	505.5	500.5	501.3
17.5°	496.5	499.3	488.0	483.9	483.1
20°	487.2	489.7	476.4	470.6	469.8
22.5°	475.2	477.4	463.4	456.3	455.1
25°	457.3	457.7	444.4	434.4	431.9
27.5°	438.5	437.2	422.4	410.6	407.4
30°	424.9	423.2	406.2	393.6	390.8
32.5°	410.2	407.3	390.2	376.7	373.8
35°	388.7	384.2	366.2	352.0	348.8
37.5°	365.7	360.7	343.0	327.6	323.9
40°	350.4	344.8	326.7	311.3	307.6
42.5°	335.1	328.8	310.5	295.0	291.0
45°	311.4	304.9	286.4	271.4	267.3
47.5°	288.8	280.5	262.6	247.6	243.5
50°	273.1	264.2	246.9	232.3	228.2
52.5°	257.2	247.9	231.3	217.3	213.3
55°	232.8	224.3	207.9	194.9	191.2
57.5°	208.7	200.5	185.5	173.1	169.5
60°	192.1	185.1	170.9	159.1	155.9
62.5°	176.1	169.8	156.2	145.5	142.3
65°	152.6	146.9	134.7	125.1	122.6
67.5°	129.7	124.0	114.2	105.5	102.8
70°	114.7	109.0	100.2	92.2	89.8
72.5°	100.4	94.4	87.2	79.9	78.2
75°	79.0	74.1	68.6	63.2	61.5
77.5°	60.0	55.3	51.3	47.5	47.1
80°	47.4	43.3	40.3	37.8	37.4
82.5°	35.4	32.3	30.3	28.5	28.4
85°	18.3	17.1	16.6	14.5	13.7
87.5°	5.3	5.3	4.9	4.0	4.2
90°	0.0	0.0	1.1	0.0	1.1
92.5°	13.5	11.7	11.0	7.2	8.3
95°	54.0	47.4	45.0	34.9	34.9
97.5°	102.0	95.4	91.9	81.5	79.3
100°	136.2	129.6	126.1	114.8	112.6
102.5°	171.4	168.3	162.1	149.9	147.7
105°	227.4	224.1	218.4	206.0	203.8
107.5°	285.1	285.7	277.2	267.0	263.9
110°	326.5	325.4	318.6	308.5	306.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	368.9	366.9	360.1	349.9	347.7
115°	432.4	431.3	423.3	410.9	409.8
117.5°	492.7	496.2	486.8	473.8	473.3
120°	535.9	540.3	529.2	517.9	515.7
122.5°	578.3	583.6	572.4	559.4	559.8
125°	642.9	649.5	636.1	622.7	623.8
127.5°	705.3	713.4	701.0	687.3	688.6
130°	747.6	757.5	744.2	729.6	731.8
132.5°	790.8	800.8	787.5	772.0	776.0
135°	856.8	866.7	852.3	836.7	842.2
137.5°	919.0	928.9	913.1	900.0	906.6
140°	960.4	970.3	953.7	941.4	948.0
142.5°	1000.9	1012.6	995.1	982.0	990.4
145°	1061.7	1073.9	1057.2	1045.0	1052.7
147.5°	1119.4	1131.5	1114.7	1102.9	1110.8
150°	1156.3	1168.4	1150.7	1140.8	1149.6
152.5°	1190.5	1204.4	1185.8	1175.9	1187.4
155°	1241.9	1254.0	1236.3	1228.6	1238.5
157.5°	1286.5	1300.6	1282.9	1276.3	1284.2
160°	1316.2	1329.4	1311.7	1305.1	1313.9
162.5°	1338.7	1352.8	1336.0	1328.6	1339.2
165°	1372.5	1386.8	1369.1	1361.5	1373.6
167.5°	1399.1	1414.3	1396.4	1388.5	1400.9
170°	1415.3	1429.6	1410.8	1402.1	1415.3
172.5°	1426.1	1441.3	1421.6	1412.8	1421.6
175°	1437.8	1453.2	1434.4	1425.5	1428.8
177.5°	1443.4	1455.8	1440.7	1432.9	1443.4
180°	1443.4	1443.4	1443.4	1443.4	1443.4

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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	11.95	12.62	13.09	13.75	15.33	10.85	11.52	11.99	12.65	14.23
	3H	13.58	14.18	14.73	15.32	16.92	12.36	12.96	13.51	14.10	15.70
	4H	14.20	14.77	15.36	15.91	17.51	12.92	13.50	14.08	14.64	16.24
	6H	14.59	15.11	15.76	16.26	17.87	13.29	13.81	14.45	14.95	16.57
	8H	14.73	15.23	15.90	16.39	18.00	13.42	13.92	14.59	15.08	16.68
	12H	14.80	15.27	15.97	16.42	18.05	13.48	13.95	14.65	15.10	16.73
4H	2H	12.33	12.90	13.50	14.04	15.65	11.46	12.03	12.63	13.17	14.77
	3H	14.18	14.66	15.36	15.83	17.44	13.18	13.65	14.35	14.82	16.43
	4H	14.92	15.36	16.10	16.51	18.15	13.84	14.28	15.02	15.43	17.07
	6H	15.43	15.81	16.61	16.98	18.61	14.31	14.68	15.49	15.86	17.48
	8H	15.63	15.98	16.81	17.15	18.79	14.49	14.84	15.67	16.01	17.65
	12H	15.73	16.05	16.92	17.23	18.87	14.57	14.89	15.76	16.07	17.71
8H	4H	15.06	15.41	16.24	16.58	18.22	14.10	14.45	15.28	15.62	17.26
	6H	15.70	15.99	16.90	17.20	18.83	14.70	14.99	15.89	16.20	17.83
	8H	15.99	16.24	17.19	17.43	19.08	14.97	15.22	16.17	16.41	18.07
	12H	16.15	16.37	17.36	17.56	19.25	15.11	15.33	16.32	16.52	18.21
12H	4H	15.03	15.35	16.23	16.53	18.18	14.09	14.41	15.29	15.59	17.24
	6H	15.72	15.98	16.93	17.16	18.82	14.76	15.01	15.96	16.20	17.85
	8H	16.03	16.25	17.24	17.44	19.13	15.05	15.28	16.26	16.46	18.15