

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: P1439567

Luminaire Tested: CB3-D-085U-030D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439567  
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-940-1D-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: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

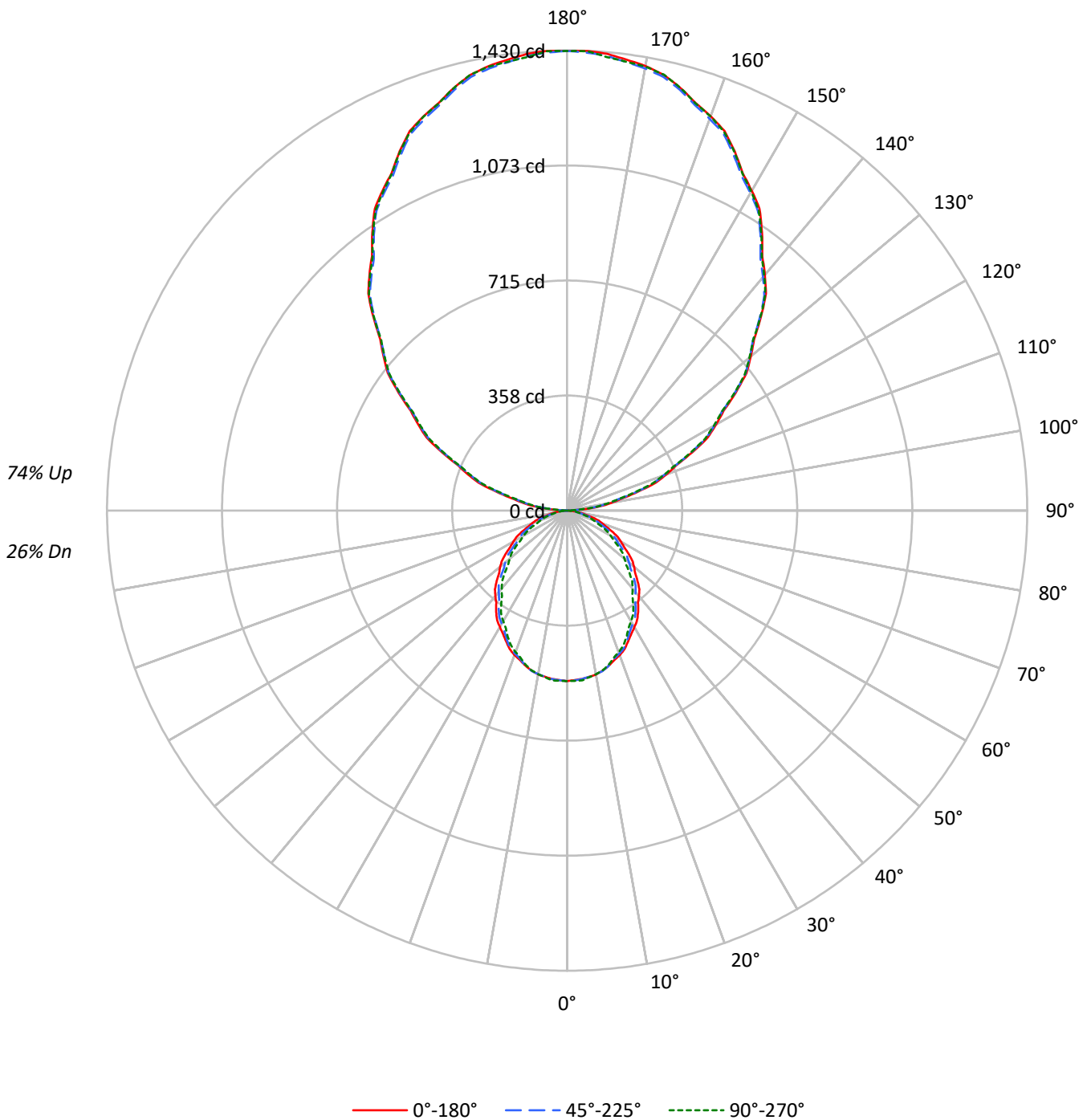
Lumens per Lamp: N/A  
Luminaire Lumens: 4947.2 lumens  
Efficiency: N/A  
Efficacy: 152.7 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 32.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	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°	5996	5996	5996
5°	5967	5971	6017
10°	5941	5932	5932
15°	5850	5850	5815
20°	5755	5698	5634
25°	5598	5528	5429
30°	5461	5319	5191
35°	5316	5120	4938
40°	5125	4882	4670
45°	4951	4669	4381
50°	4772	4416	4098
55°	4578	4170	3831
60°	4367	3917	3528
65°	4123	3630	3207
70°	3837	3292	2858
75°	3480	2890	2544
80°	3036	2424	2248
85°	2337	2051	2051

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4951 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.0	1.0
10°-20°	140.5	2.8
20°-30°	203.8	4.1
30°-40°	231.5	4.7
40°-50°	224.8	4.5
50°-60°	189.8	3.8
60°-70°	135.0	2.7
70°-80°	72.1	1.5
80°-90°	19.1	0.4
90°-100°	60.4	1.2
100°-110°	236.1	4.8
110°-120°	420.8	8.5
120°-130°	569.5	11.5
130°-140°	654.7	13.2
140°-150°	657.0	13.3
150°-160°	565.0	11.4
160°-170°	382.4	7.7
170°-180°	134.9	2.7
0°-30°	394.2	8.0
0°-40°	625.8	12.6
0°-60°	1040.3	21.0
0°-90°	1266.5	25.6
90°-120°	717.3	14.5
90°-150°	2598.4	52.5
90°-180°	3681.0	74.4
0°-180°	4947.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	530	530	530	530	530	
5°	525	532	526	525	530	50
15°	499	504	499	496	496	141
25°	448	450	443	437	435	207
35°	385	381	371	360	358	240
45°	309	305	292	278	274	239
55°	232	226	211	198	194	207
65°	154	148	136	124	120	153
75°	80	75	66	59	58	85
85°	18	17	16	16	16	21
90°	0	0	0	0	0	3
95°	58	53	47	44	45	66
105°	229	228	220	217	215	244
115°	429	431	422	420	419	425
125°	640	647	634	632	633	572
135°	852	860	846	840	849	657
145°	1056	1064	1047	1042	1051	660
155°	1232	1243	1222	1217	1230	567
165°	1360	1372	1354	1346	1360	383
175°	1425	1438	1418	1410	1415	135
180°	1428	1428	1428	1428	1428	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	529.9	529.9	529.9	529.9	529.9
2.5°	527.2	532.4	527.8	528.4	529.6
5°	525.4	532.0	525.7	525.1	529.8
7.5°	521.3	527.3	520.8	519.3	522.6
10°	517.1	523.7	516.3	514.5	516.3
12.5°	509.6	516.5	510.6	507.6	509.1
15°	499.4	503.8	499.4	496.4	496.4
17.5°	487.0	491.7	483.4	481.2	480.2
20°	478.0	482.1	473.2	470.1	467.9
22.5°	466.0	469.8	462.3	456.3	454.7
25°	448.4	449.9	442.8	436.7	434.9
27.5°	431.8	432.2	422.4	415.1	412.6
30°	418.0	418.3	407.1	399.2	397.3
32.5°	404.2	403.1	392.4	383.0	381.7
35°	384.9	381.3	370.7	359.7	357.5
37.5°	361.7	359.5	347.0	336.0	332.7
40°	347.0	343.3	330.5	319.5	316.2
42.5°	332.3	328.0	314.9	302.7	299.1
45°	309.4	304.7	291.8	277.8	273.8
47.5°	286.5	281.3	267.1	253.5	249.1
50°	271.1	265.6	250.9	237.6	232.8
52.5°	255.5	249.7	234.9	221.4	217.5
55°	232.1	225.8	211.4	197.8	194.2
57.5°	208.7	202.5	188.1	175.3	170.9
60°	193.0	187.2	173.1	160.3	155.9
62.5°	177.1	171.5	157.8	145.2	141.1
65°	154.0	148.5	135.6	123.5	119.8
67.5°	131.1	126.4	113.6	102.5	99.6
70°	116.0	111.6	99.5	89.3	86.4
72.5°	101.6	96.9	85.4	76.7	74.7
75°	79.6	75.2	66.1	59.3	58.2
77.5°	59.5	55.9	48.0	44.2	43.6
80°	46.6	43.3	37.2	34.5	34.5
82.5°	34.5	31.8	27.9	26.7	26.7
85°	18.0	16.6	15.8	15.8	15.8
87.5°	5.4	5.4	5.1	4.8	4.8
90°	0.0	0.0	0.0	0.0	0.0
92.5°	15.8	14.1	8.8	7.0	7.0
95°	58.0	52.7	47.1	43.8	44.9
97.5°	107.1	102.0	95.1	91.8	92.6
100°	141.3	137.0	129.2	125.9	125.9
102.5°	174.6	172.0	164.3	161.0	161.8
105°	228.9	227.8	220.1	216.8	214.6
107.5°	288.9	286.9	278.4	278.1	276.2
110°	327.4	326.4	318.7	317.5	316.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	366.8	368.3	359.8	358.7	357.6
115°	429.3	431.4	421.6	420.5	419.4
117.5°	493.2	496.2	485.8	484.6	482.7
120°	534.4	540.8	527.8	526.7	525.6
122.5°	576.4	582.0	569.9	567.9	567.7
125°	639.5	647.0	634.0	631.9	632.9
127.5°	702.6	710.3	698.2	693.9	696.2
130°	744.6	753.2	740.3	736.0	739.2
132.5°	787.6	796.1	783.2	778.9	783.8
135°	852.0	860.5	846.5	840.1	848.7
137.5°	914.8	922.3	906.9	902.5	911.5
140°	956.0	963.5	947.2	942.0	952.7
142.5°	996.3	1004.6	986.6	981.4	993.0
145°	1055.6	1064.2	1046.9	1041.6	1051.3
147.5°	1112.6	1121.4	1103.8	1097.7	1107.5
150°	1147.6	1157.3	1138.9	1133.6	1144.3
152.5°	1181.8	1192.3	1173.0	1167.0	1180.3
155°	1231.9	1242.6	1222.1	1216.9	1229.8
157.5°	1277.1	1286.9	1268.3	1263.1	1274.2
160°	1304.2	1314.9	1295.5	1290.3	1303.1
162.5°	1327.9	1338.6	1320.9	1313.9	1326.8
165°	1360.1	1371.8	1353.5	1346.1	1360.1
167.5°	1387.0	1399.6	1380.2	1373.5	1387.4
170°	1402.8	1414.5	1395.1	1386.7	1400.6
172.5°	1413.3	1425.1	1405.6	1397.1	1406.7
175°	1424.7	1437.5	1418.1	1409.5	1414.8
177.5°	1429.7	1440.0	1424.5	1416.8	1428.8
180°	1428.0	1428.0	1428.0	1428.0	1428.0

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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	10.50	11.18	11.65	12.31	13.89	9.43	10.10	10.57	11.23	12.81
	3H	12.16	12.76	13.31	13.90	15.50	10.83	11.43	11.98	12.57	14.17
	4H	12.78	13.35	13.94	14.49	16.09	11.33	11.91	12.49	13.05	14.65
	6H	13.15	13.68	14.32	14.82	16.44	11.64	12.17	12.81	13.31	14.92
	8H	13.29	13.79	14.46	14.94	16.55	11.76	12.26	12.93	13.42	15.02
	12H	13.35	13.82	14.52	14.97	16.60	11.83	12.30	13.00	13.45	15.08
4H	2H	10.89	11.46	12.06	12.60	14.20	10.03	10.60	11.20	11.74	13.35
	3H	12.76	13.24	13.93	14.40	16.02	11.63	12.11	12.80	13.27	14.89
	4H	13.50	13.94	14.68	15.10	16.73	12.23	12.67	13.41	13.82	15.46
	6H	13.99	14.37	15.17	15.55	17.17	12.63	13.01	13.81	14.18	15.81
	8H	14.18	14.53	15.36	15.70	17.34	12.80	13.15	13.98	14.32	15.96
	12H	14.27	14.59	15.46	15.77	17.41	12.89	13.21	14.09	14.39	16.04
8H	4H	13.62	13.97	14.79	15.13	16.77	12.48	12.83	13.66	14.00	15.64
	6H	14.23	14.52	15.43	15.73	17.36	13.00	13.29	14.20	14.50	16.13
	8H	14.50	14.75	15.71	15.94	17.60	13.25	13.50	14.45	14.69	16.34
	12H	14.66	14.88	15.86	16.06	17.75	13.42	13.64	14.62	14.82	16.51
12H	4H	13.58	13.90	14.77	15.08	16.72	12.47	12.79	13.66	13.97	15.61
	6H	14.24	14.50	15.45	15.68	17.34	13.05	13.31	14.26	14.49	16.15
	8H	14.53	14.76	15.74	15.94	17.63	13.33	13.55	14.53	14.73	16.42