

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: P1439255

Luminaire Tested: CB3-085U-085D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439255  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-085U-085D-935-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

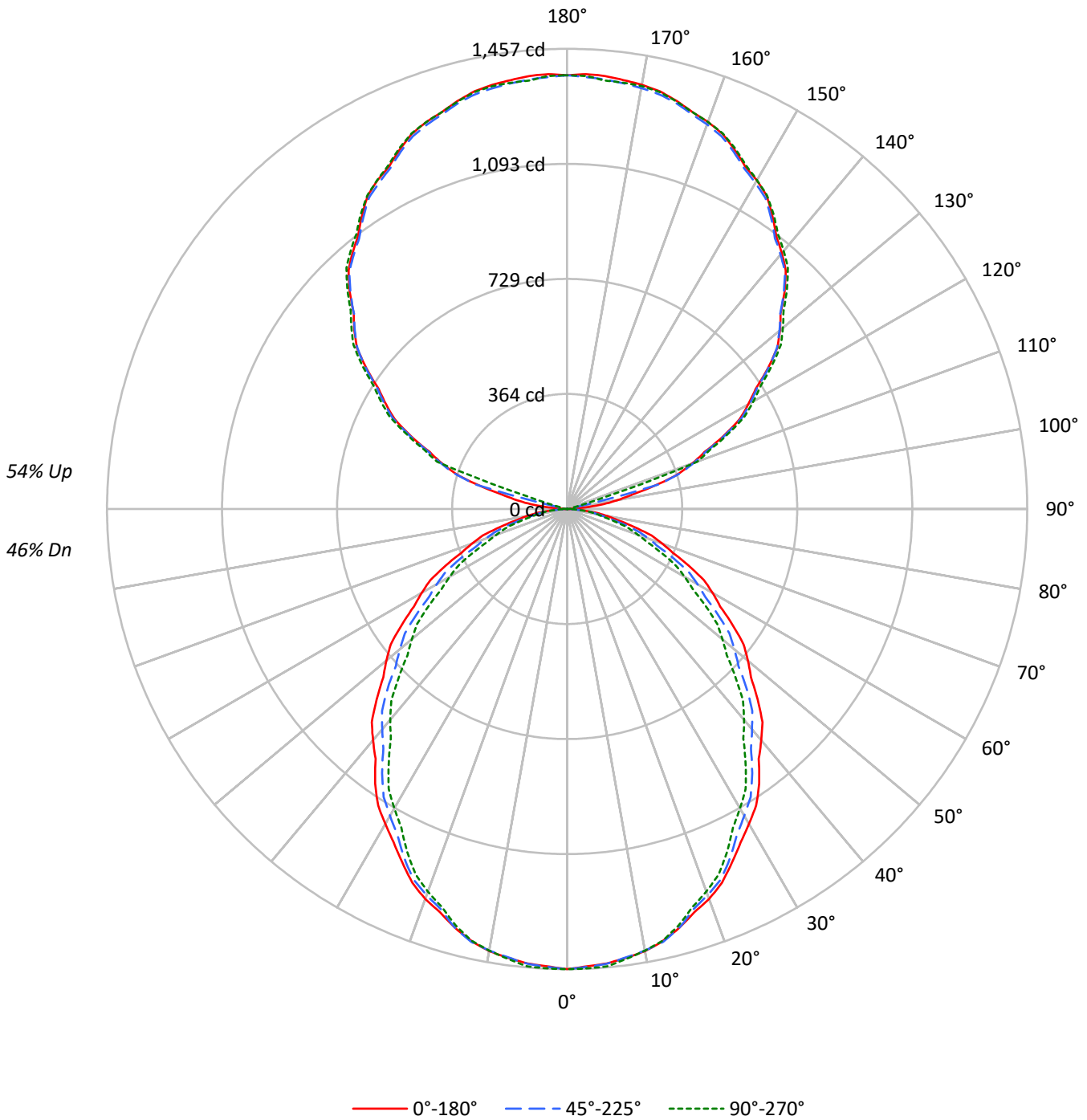
Lumens per Lamp: N/A  
Luminaire Lumens: 7540.2 lumens  
Efficiency: N/A  
Efficacy: 152.3 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 49.5  
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	106	106	106	106	98	98	98	98	81	81	81	66	66	66	53	53	53	46				
1	97	93	89	86	89	85	82	79	71	69	67	59	57	56	47	46	45	39				
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	41	40	38	33				
3	81	72	64	59	74	66	60	55	56	51	47	46	42	40	37	35	33	28				
4	74	63	56	50	68	59	52	46	49	44	40	41	37	34	33	30	28	24				
5	68	57	49	43	62	52	45	40	44	39	35	37	33	30	30	27	25	21				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19				
7	58	46	38	32	53	43	36	31	36	31	27	30	26	23	25	22	19	17				
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	26	21	19	21	18	16	14				
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	20	17	14	12				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	16484	16484	16484
5°	16405	16418	16512
10°	16334	16310	16310
15°	16084	16084	15987
20°	15823	15660	15523
25°	15423	15230	14959
30°	15046	14654	14302
35°	14650	14107	13605
40°	14122	13448	12868
45°	13643	12865	12070
50°	13151	12167	11292
55°	12613	11491	10552
60°	12034	10794	9717
65°	11357	10000	8838
70°	10576	9071	7873
75°	9591	7961	7012
80°	8360	6672	6203
85°	6452	5647	5647

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13643 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.5	1.8
10°-20°	386.2	5.1
20°-30°	561.1	7.4
30°-40°	637.9	8.5
40°-50°	619.3	8.2
50°-60°	522.8	6.9
60°-70°	372.0	4.9
70°-80°	198.7	2.6
80°-90°	52.6	0.7
90°-100°	31.7	0.4
100°-110°	229.6	3.0
110°-120°	545.9	7.2
120°-130°	697.5	9.3
130°-140°	752.3	10.0
140°-150°	709.2	9.4
150°-160°	578.6	7.7
160°-170°	377.0	5.0
170°-180°	130.3	1.7
0°-30°	1084.7	14.4
0°-40°	1722.6	22.8
0°-60°	2864.7	38.0
0°-90°	3488.0	46.3
90°-120°	807.3	10.7
90°-150°	2966.3	39.3
90°-180°	4052.0	53.7
0°-180°	7540.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1457	1457	1457	1457	1457	
5°	1444	1463	1446	1444	1454	137
15°	1373	1385	1373	1365	1365	387
25°	1235	1240	1220	1203	1198	569
35°	1061	1050	1021	991	985	661
45°	853	839	804	765	754	658
55°	639	622	582	545	535	572
65°	424	409	374	340	330	420
75°	219	207	182	163	160	234
85°	50	46	44	44	44	59
90°	0	0	0	1	0	4
95°	58	10	14	14	14	72
105°	291	295	299	22	23	307
115°	545	549	550	559	562	538
125°	775	780	778	786	792	692
135°	974	979	971	978	984	750
145°	1133	1140	1126	1133	1139	709
155°	1255	1265	1248	1251	1259	579
165°	1338	1345	1331	1327	1336	378
175°	1376	1383	1365	1358	1362	131
180°	1373	1373	1373	1373	1373	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1456.9	1456.9	1456.9	1456.9	1456.9
2.5°	1449.4	1464.0	1451.1	1452.8	1456.0
5°	1444.4	1462.7	1445.5	1443.6	1453.8
7.5°	1433.3	1449.9	1432.0	1427.9	1437.0
10°	1421.7	1439.9	1419.6	1414.6	1419.6
12.5°	1401.0	1420.0	1403.9	1395.5	1399.7
15°	1373.1	1385.2	1373.1	1364.8	1364.8
17.5°	1338.9	1351.7	1328.8	1322.9	1320.7
20°	1314.1	1325.2	1300.6	1292.3	1289.2
22.5°	1281.0	1291.3	1270.8	1256.7	1252.8
25°	1235.4	1239.5	1219.9	1203.2	1198.2
27.5°	1189.7	1190.7	1163.8	1143.6	1136.9
30°	1151.6	1152.6	1121.6	1099.8	1094.7
32.5°	1113.5	1110.5	1081.1	1055.1	1051.7
35°	1060.6	1050.5	1021.3	991.1	985.0
37.5°	996.6	990.6	956.1	925.9	916.7
40°	956.1	946.0	910.5	880.3	871.2
42.5°	915.5	903.8	867.5	834.0	824.0
45°	852.6	839.4	804.0	765.4	754.3
47.5°	789.3	774.9	735.9	698.6	686.2
50°	747.1	731.9	691.2	654.7	641.5
52.5°	704.0	688.0	647.3	610.0	599.3
55°	639.4	622.2	582.5	545.1	534.9
57.5°	574.9	557.9	518.4	482.9	470.8
60°	531.8	515.7	477.0	441.5	429.4
62.5°	488.0	472.6	434.8	400.2	388.8
65°	424.2	409.1	373.5	340.2	330.1
67.5°	361.1	348.2	313.1	282.5	274.4
70°	319.7	307.6	274.2	246.1	238.0
72.5°	280.0	267.0	235.3	211.4	205.7
75°	219.4	207.2	182.1	163.4	160.4
77.5°	163.9	154.0	132.2	121.6	120.0
80°	128.3	119.2	102.4	95.2	95.2
82.5°	95.2	87.7	76.8	73.7	73.7
85°	49.7	45.6	43.5	43.5	43.5
87.5°	14.9	14.9	14.1	13.4	13.2
90°	0.0	0.0	0.0	1.0	0.0
92.5°	15.7	6.0	5.0	6.0	5.8
95°	57.9	10.4	13.5	14.5	14.5
97.5°	116.7	114.5	15.7	18.8	19.0
100°	161.4	166.5	16.6	19.7	20.7
102.5°	211.1	215.3	30.6	20.5	21.5
105°	290.8	294.8	299.0	21.8	22.8
107.5°	370.0	373.0	375.8	338.3	126.6
110°	422.2	425.2	426.3	436.7	438.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	471.0	474.8	476.8	485.6	489.2
115°	545.3	549.3	550.5	558.8	561.8
117.5°	615.9	620.1	622.1	628.8	633.7
120°	662.2	667.3	668.4	676.8	680.8
122.5°	707.7	713.6	713.1	720.7	726.4
125°	775.0	780.1	778.1	786.5	791.5
127.5°	838.9	842.0	837.7	847.9	852.2
130°	879.5	882.5	877.4	886.9	891.9
132.5°	916.7	921.4	915.5	924.1	929.2
135°	973.7	978.7	970.6	977.9	984.0
137.5°	1024.4	1030.4	1020.6	1029.2	1034.5
140°	1057.5	1063.5	1051.3	1060.7	1066.8
142.5°	1088.1	1095.8	1081.1	1089.7	1096.6
145°	1133.0	1140.1	1125.8	1133.1	1139.2
147.5°	1175.6	1181.7	1168.0	1173.2	1177.5
150°	1201.3	1207.4	1192.0	1197.3	1202.3
152.5°	1222.0	1230.5	1215.2	1218.8	1226.3
155°	1255.1	1265.2	1247.9	1251.1	1259.2
157.5°	1285.5	1294.6	1277.2	1280.1	1287.2
160°	1303.7	1312.8	1295.5	1296.6	1303.7
162.5°	1317.8	1326.1	1311.2	1309.1	1317.8
165°	1337.9	1345.0	1330.6	1326.7	1335.8
167.5°	1354.6	1362.7	1345.1	1341.8	1352.2
170°	1363.7	1371.8	1353.4	1348.5	1359.6
172.5°	1369.5	1376.8	1359.2	1352.6	1361.3
175°	1376.2	1383.2	1364.8	1357.6	1361.7
177.5°	1378.0	1383.7	1368.9	1362.5	1372.2
180°	1373.1	1373.1	1373.1	1373.1	1373.1



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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	16.53	17.35	17.52	18.35	19.67	15.45	16.27	16.44	17.27	18.59
	3H	18.19	18.93	19.19	19.94	21.28	16.86	17.59	17.86	18.60	19.95
	4H	18.82	19.51	19.83	20.53	21.88	17.38	18.07	18.39	19.08	20.44
	6H	19.20	19.84	20.23	20.86	22.23	17.69	18.33	18.72	19.35	20.71
	8H	19.34	19.95	20.37	20.98	22.34	17.81	18.42	18.84	19.46	20.82
	12H	19.41	19.98	20.44	21.01	22.40	17.89	18.47	18.92	19.49	20.88
4H	2H	16.93	17.63	17.95	18.64	19.99	16.07	16.77	17.09	17.78	19.13
	3H	18.82	19.40	19.85	20.44	21.80	17.69	18.27	18.72	19.31	20.67
	4H	19.56	20.09	20.60	21.13	22.52	18.29	18.82	19.33	19.86	21.25
	6H	20.06	20.52	21.11	21.58	22.96	18.70	19.16	19.75	20.21	21.60
	8H	20.25	20.68	21.30	21.73	23.13	18.87	19.30	19.92	20.35	21.75
	12H	20.35	20.73	21.42	21.80	23.20	18.97	19.36	20.04	20.42	21.83
8H	4H	19.69	20.11	20.74	21.16	22.57	18.55	18.98	19.60	20.03	21.43
	6H	20.31	20.66	21.38	21.75	23.15	19.08	19.43	20.15	20.52	21.92
	8H	20.58	20.89	21.66	21.97	23.38	19.33	19.64	20.41	20.71	22.13
	12H	20.74	21.02	21.83	22.09	23.55	19.50	19.78	20.59	20.85	22.30
12H	4H	19.66	20.04	20.73	21.11	22.51	18.55	18.93	19.62	20.00	21.40
	6H	20.32	20.63	21.40	21.71	23.13	19.13	19.44	20.21	20.52	21.94
	8H	20.62	20.89	21.70	21.96	23.42	19.41	19.69	20.50	20.76	22.21