

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: P1439257

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439257
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-940-1D-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

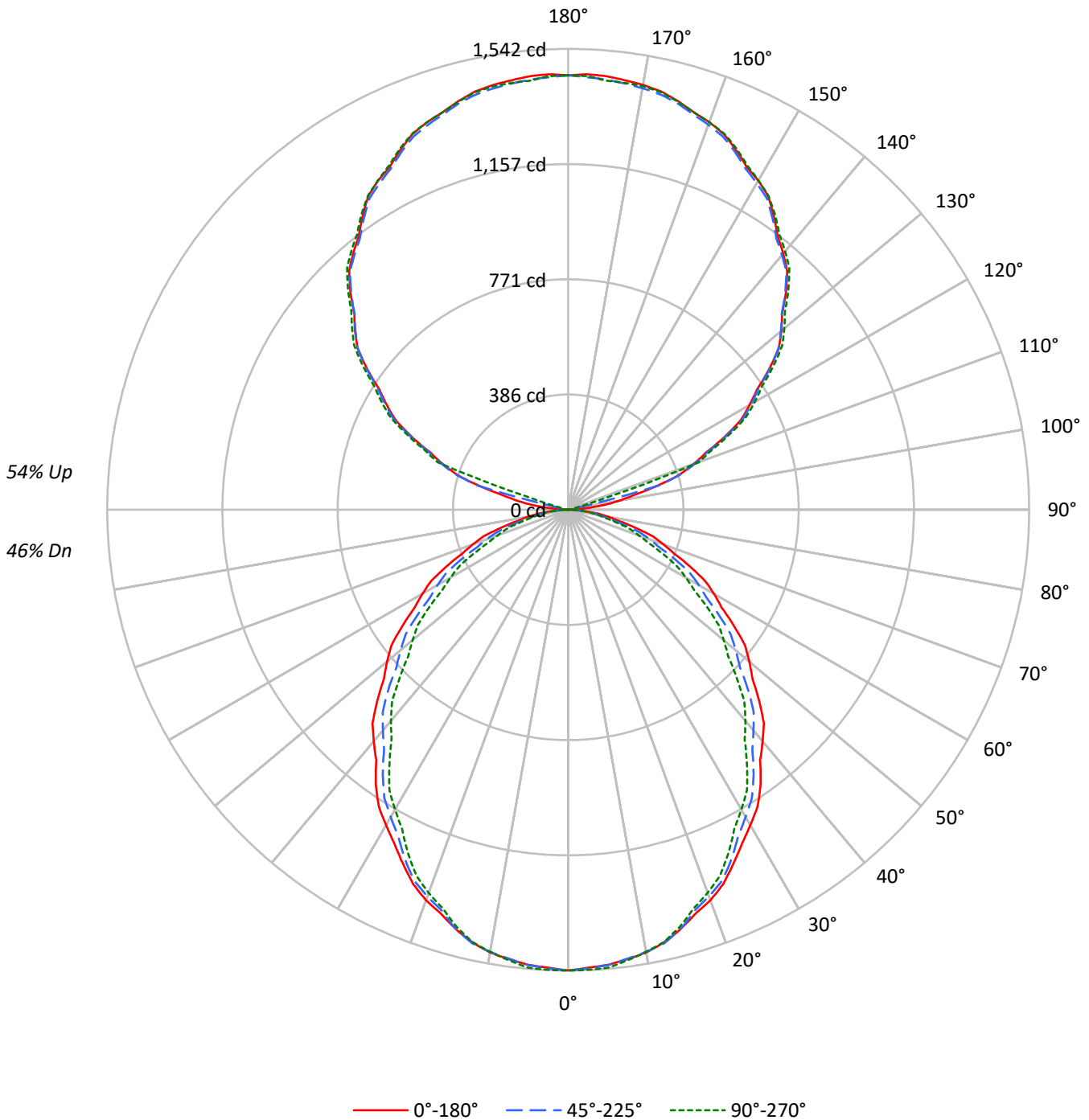
Lumens per Lamp: N/A
Luminaire Lumens: 7980.0 lumens
Efficiency: N/A
Efficacy: 161.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 49.5
Input Voltage (V): 120
Input Current (A_{in}): 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°	17445	17445	17445
5°	17363	17375	17475
10°	17287	17261	17261
15°	17021	17021	16919
20°	16745	16574	16428
25°	16323	16118	15831
30°	15924	15508	15137
35°	15503	14929	14400
40°	14944	14234	13618
45°	14438	13615	12774
50°	13916	12876	11950
55°	13349	12161	11167
60°	12738	11423	10283
65°	12021	10583	9352
70°	11195	9600	8333
75°	10151	8424	7419
80°	8848	7063	6561
85°	6829	5972	5972

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14438 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.5	1.8
10°-20°	408.7	5.1
20°-30°	593.8	7.4
30°-40°	675.1	8.5
40°-50°	655.4	8.2
50°-60°	553.3	6.9
60°-70°	393.7	4.9
70°-80°	210.3	2.6
80°-90°	55.6	0.7
90°-100°	33.5	0.4
100°-110°	243.0	3.0
110°-120°	577.8	7.2
120°-130°	738.2	9.3
130°-140°	796.2	10.0
140°-150°	750.6	9.4
150°-160°	612.3	7.7
160°-170°	399.0	5.0
170°-180°	137.9	1.7
0°-30°	1148.0	14.4
0°-40°	1823.1	22.8
0°-60°	3031.8	38.0
0°-90°	3691.4	46.3
90°-120°	854.3	10.7
90°-150°	3139.3	39.3
90°-180°	4289.0	53.7
0°-180°	7980.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1542	1542	1542	1542	1542	
5°	1529	1548	1530	1528	1539	145
15°	1453	1466	1453	1444	1444	409
25°	1308	1312	1291	1273	1268	602
35°	1122	1112	1081	1049	1042	699
45°	902	888	851	810	798	696
55°	677	658	616	577	566	605
65°	449	433	395	360	349	445
75°	232	219	193	173	170	248
85°	53	48	46	46	46	62
90°	0	0	0	1	0	4
95°	61	11	14	15	15	76
105°	308	312	316	23	24	325
115°	577	581	583	591	595	569
125°	820	826	824	832	838	732
135°	1030	1036	1027	1035	1041	794
145°	1199	1207	1191	1199	1206	750
155°	1328	1339	1321	1324	1333	613
165°	1416	1423	1408	1404	1414	400
175°	1456	1464	1444	1437	1441	139
180°	1453	1453	1453	1453	1453	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1541.8	1541.8	1541.8	1541.8	1541.8
2.5°	1534.0	1549.4	1535.7	1537.5	1541.0
5°	1528.7	1548.0	1529.8	1527.9	1538.6
7.5°	1516.9	1534.4	1515.6	1511.2	1520.8
10°	1504.6	1523.9	1502.4	1497.1	1502.4
12.5°	1482.7	1502.8	1485.8	1476.9	1481.4
15°	1453.1	1466.0	1453.1	1444.4	1444.4
17.5°	1417.0	1430.5	1406.3	1400.1	1397.7
20°	1390.7	1402.5	1376.5	1367.7	1364.4
22.5°	1355.7	1366.6	1345.0	1330.0	1325.9
25°	1307.5	1311.8	1291.1	1273.4	1268.1
27.5°	1259.1	1260.2	1231.7	1210.3	1203.3
30°	1218.8	1219.9	1187.0	1163.9	1158.6
32.5°	1178.5	1175.3	1144.1	1116.7	1113.0
35°	1122.4	1111.7	1080.8	1048.9	1042.5
37.5°	1054.8	1048.3	1011.8	979.9	970.2
40°	1011.8	1001.1	963.7	931.7	922.0
42.5°	968.9	956.5	918.1	882.6	872.1
45°	902.3	888.4	850.9	810.1	798.3
47.5°	835.3	820.1	778.8	739.3	726.2
50°	790.6	774.6	731.5	692.9	678.9
52.5°	745.1	728.2	685.1	645.6	634.3
55°	676.7	658.5	616.5	576.9	566.1
57.5°	608.4	590.4	548.6	511.1	498.3
60°	562.9	545.7	504.8	467.3	454.4
62.5°	516.4	500.2	460.1	423.5	411.5
65°	449.0	432.9	395.3	360.0	349.3
67.5°	382.2	368.5	331.4	299.0	290.4
70°	338.4	325.5	290.2	260.4	251.9
72.5°	296.3	282.6	249.0	223.7	217.7
75°	232.2	219.3	192.7	172.9	169.7
77.5°	173.5	163.0	139.9	128.7	127.0
80°	135.8	126.2	108.4	100.7	100.7
82.5°	100.7	92.8	81.3	78.0	78.0
85°	52.6	48.3	46.0	46.0	46.0
87.5°	15.8	15.8	14.9	14.2	14.0
90°	0.0	0.0	0.0	1.1	0.0
92.5°	16.6	6.4	5.3	6.3	6.1
95°	61.3	11.0	14.2	15.3	15.3
97.5°	123.5	121.2	16.6	19.9	20.1
100°	170.8	176.2	17.5	20.8	21.9
102.5°	223.4	227.9	32.4	21.7	22.8
105°	307.7	312.0	316.5	23.0	24.1
107.5°	391.6	394.8	397.7	358.0	134.0
110°	446.8	450.0	451.2	462.2	464.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	498.5	502.5	504.6	513.9	517.7
115°	577.1	581.4	582.6	591.4	594.6
117.5°	651.8	656.3	658.3	665.5	670.6
120°	700.8	706.2	707.4	716.3	720.5
122.5°	749.0	755.2	754.7	762.7	768.7
125°	820.2	825.6	823.5	832.4	837.7
127.5°	887.9	891.1	886.6	897.4	901.9
130°	930.8	934.0	928.6	938.6	943.9
132.5°	970.2	975.1	968.9	978.0	983.4
135°	1030.5	1035.8	1027.2	1035.0	1041.4
137.5°	1084.1	1090.5	1080.2	1089.3	1094.8
140°	1119.2	1125.6	1112.6	1122.6	1129.0
142.5°	1151.6	1159.7	1144.1	1153.3	1160.5
145°	1199.1	1206.6	1191.4	1199.2	1205.7
147.5°	1244.2	1250.6	1236.1	1241.7	1246.2
150°	1271.4	1277.8	1261.5	1267.1	1272.5
152.5°	1293.3	1302.3	1286.0	1289.9	1297.9
155°	1328.3	1339.0	1320.6	1324.1	1332.7
157.5°	1360.5	1370.1	1351.7	1354.8	1362.3
160°	1379.8	1389.4	1371.0	1372.3	1379.8
162.5°	1394.7	1403.4	1387.7	1385.5	1394.7
165°	1415.9	1423.4	1408.2	1404.1	1413.7
167.5°	1433.7	1442.2	1423.6	1420.1	1431.0
170°	1443.3	1451.9	1432.3	1427.1	1438.9
172.5°	1449.4	1457.1	1438.5	1431.5	1440.7
175°	1456.4	1463.9	1444.4	1436.8	1441.1
177.5°	1458.4	1464.4	1448.8	1442.0	1452.3
180°	1453.1	1453.1	1453.1	1453.1	1453.1



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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	16.72	17.54	17.72	18.54	19.87	15.65	16.47	16.64	17.47	18.79
	3H	18.39	19.12	19.39	20.13	21.48	17.06	17.79	18.06	18.80	20.15
	4H	19.02	19.71	20.03	20.72	22.08	17.57	18.27	18.59	19.28	20.63
	6H	19.40	20.04	20.43	21.06	22.42	17.89	18.53	18.91	19.55	20.91
	8H	19.54	20.14	20.57	21.18	22.54	18.01	18.62	19.04	19.65	21.01
	12H	19.60	20.18	20.64	21.21	22.59	18.08	18.66	19.12	19.69	21.08
4H	2H	17.13	17.82	18.15	18.84	20.19	16.27	16.96	17.29	17.98	19.33
	3H	19.01	19.59	20.04	20.63	22.00	17.88	18.46	18.91	19.50	20.87
	4H	19.76	20.29	20.80	21.32	22.71	18.49	19.02	19.53	20.05	21.44
	6H	20.26	20.72	21.31	21.77	23.16	18.90	19.35	19.95	20.41	21.80
	8H	20.45	20.88	21.50	21.93	23.33	19.07	19.49	20.12	20.54	21.94
	12H	20.55	20.93	21.61	21.99	23.40	19.17	19.56	20.24	20.62	22.03
8H	4H	19.89	20.31	20.93	21.36	22.76	18.75	19.17	19.79	20.22	21.62
	6H	20.50	20.86	21.58	21.95	23.34	19.27	19.62	20.34	20.72	22.11
	8H	20.78	21.09	21.86	22.16	23.58	19.53	19.83	20.60	20.91	22.33
	12H	20.94	21.21	22.02	22.28	23.74	19.70	19.97	20.78	21.04	22.50
12H	4H	19.86	20.24	20.92	21.31	22.71	18.75	19.13	19.81	20.20	21.60
	6H	20.52	20.83	21.60	21.90	23.32	19.33	19.64	20.41	20.72	22.13
	8H	20.82	21.09	21.90	22.16	23.62	19.61	19.88	20.69	20.95	22.41