

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: P1439453

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439453
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-B-085U-085D-935-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

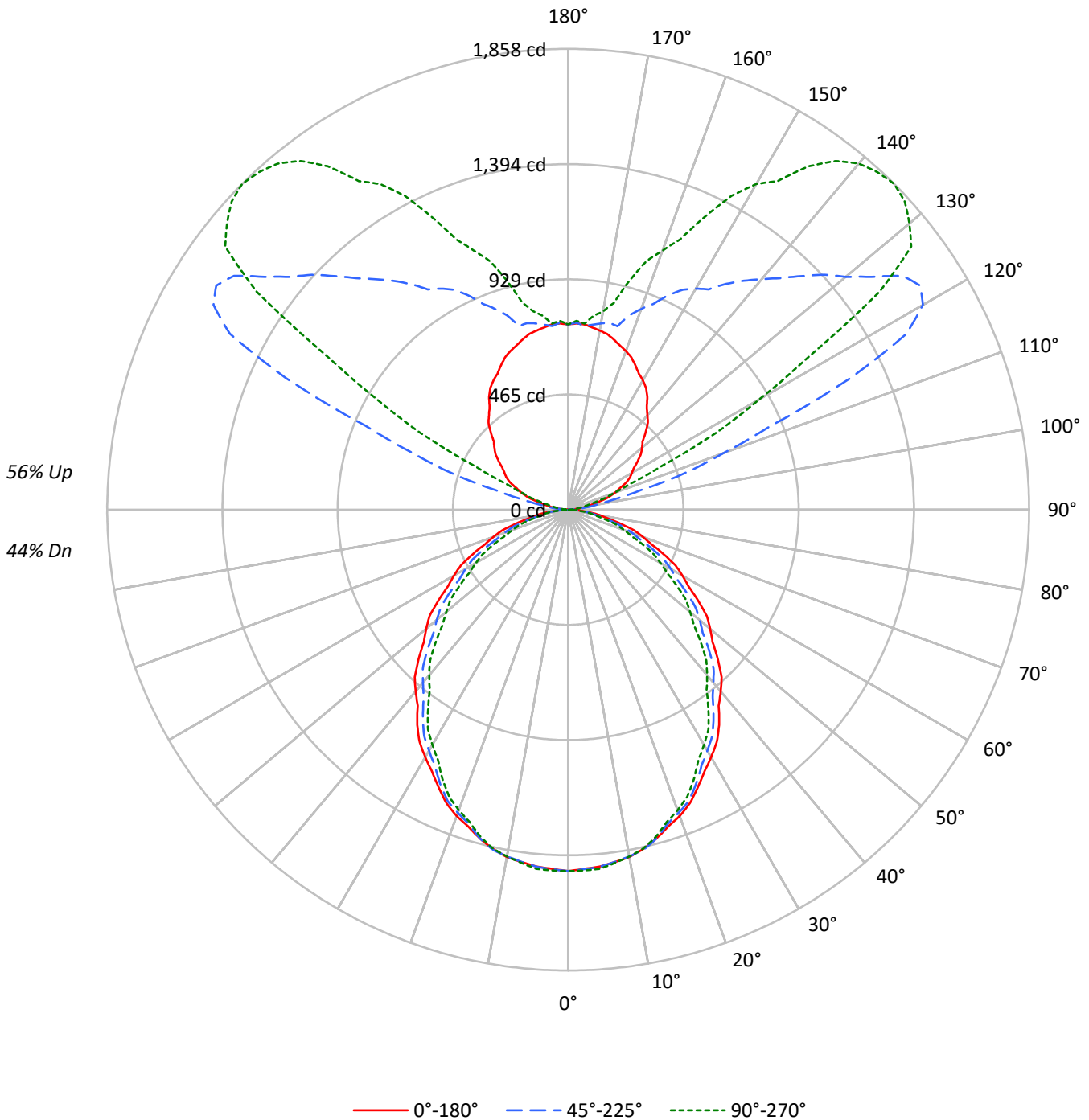
Lumens per Lamp: N/A
Luminaire Lumens: 7878.5 lumens
Efficiency: N/A
Efficacy: 159.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 49.5
Input Voltage (V): 120
Input Current (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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44				
1	97	92	89	85	88	85	82	79	70	68	66	57	56	54	45	44	43	38				
2	88	81	75	70	80	74	69	65	62	58	55	51	48	46	40	38	37	32				
3	80	71	64	58	73	66	59	54	55	50	46	45	41	39	36	33	31	27				
4	74	63	55	49	67	58	51	46	49	44	40	40	36	33	32	29	27	23				
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24	20				
6	62	50	43	37	57	47	40	34	39	34	30	33	28	25	26	23	21	18				
7	58	46	38	32	53	42	35	30	36	30	26	30	26	22	24	21	19	16				
8	53	41	34	29	49	38	32	27	33	27	23	27	23	20	22	19	17	14				
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	20	17	15	13				
10	46	35	28	23	43	32	26	21	27	22	19	23	19	16	19	16	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	1.7
10°-20°	386.2	4.9
20°-30°	561.1	7.1
30°-40°	637.9	8.1
40°-50°	619.3	7.9
50°-60°	522.8	6.6
60°-70°	372.0	4.7
70°-80°	198.7	2.5
80°-90°	52.5	0.7
90°-100°	50.5	0.6
100°-110°	264.5	3.4
110°-120°	665.9	8.5
120°-130°	1027.3	13.0
130°-140°	940.4	11.9
140°-150°	694.1	8.8
150°-160°	442.4	5.6
160°-170°	232.9	3.0
170°-180°	72.5	0.9
0°-30°	1084.7	13.8
0°-40°	1722.6	21.9
0°-60°	2864.7	36.4
0°-90°	3487.9	44.3
90°-120°	980.9	12.5
90°-150°	3642.7	46.2
90°-180°	4391.0	55.7
0°-180°	7878.5	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	0	0	3
95°	26	74	30	16	16	33
105°	135	418	302	124	102	144
115°	256	523	1256	546	414	250
125°	342	528	1644	1658	1532	306
135°	441	589	1332	1816	1858	340
145°	556	643	1112	1546	1690	345
155°	641	690	954	1180	1302	296
165°	710	730	766	896	957	200
175°	750	766	743	747	753	71
180°	746	746	746	746	746	

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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	13.2	13.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	7.9	18.2	5.3	2.7	5.3
95°	26.3	74.5	29.6	16.4	16.4
97.5°	54.6	166.5	76.3	40.7	36.8
100°	75.6	236.4	118.4	59.0	52.6
102.5°	99.3	306.4	178.9	80.0	68.4
105°	134.8	417.8	302.5	124.4	101.9
107.5°	174.3	493.9	498.5	191.9	154.6
110°	200.6	525.3	664.3	251.9	194.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	224.3	533.6	885.3	343.5	265.0
115°	256.5	523.4	1256.2	546.2	414.3
117.5°	280.2	498.2	1537.7	868.9	670.2
120°	296.0	498.5	1650.8	1113.0	891.2
122.5°	314.4	501.5	1682.4	1355.5	1151.6
125°	342.0	528.5	1644.2	1657.8	1532.4
127.5°	369.6	548.4	1541.6	1782.1	1742.9
130°	388.0	561.7	1460.1	1824.4	1795.5
132.5°	406.5	574.9	1402.2	1825.4	1840.2
135°	440.7	588.6	1331.8	1816.2	1858.0
137.5°	475.5	605.4	1266.1	1758.7	1845.5
140°	496.6	618.7	1213.4	1696.4	1821.8
142.5°	520.2	629.6	1163.5	1638.7	1771.8
145°	555.7	642.6	1111.5	1545.6	1690.3
147.5°	583.4	649.6	1053.0	1451.6	1571.2
150°	601.8	650.0	1029.3	1368.1	1516.0
152.5°	617.6	663.2	1000.3	1291.5	1426.5
155°	641.2	689.5	953.7	1180.0	1302.2
157.5°	664.9	711.2	898.4	1096.9	1179.9
160°	680.7	719.3	861.6	1056.8	1111.5
162.5°	693.9	727.3	822.1	988.6	1051.0
165°	710.3	729.6	766.2	895.8	956.9
167.5°	725.4	735.1	770.8	804.8	854.3
170°	733.3	743.0	762.9	796.2	812.2
172.5°	741.2	756.0	752.4	775.1	788.6
175°	749.8	765.8	743.2	746.6	753.1
177.5°	751.7	759.5	754.4	754.5	762.3
180°	746.5	746.5	746.5	746.5	746.5



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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	16.33	17.13	17.34	18.15	19.50	15.25	16.05	16.26	17.07	18.42
	3H	17.99	18.71	19.01	19.74	21.11	16.66	17.38	17.68	18.40	19.78
	4H	18.62	19.30	19.65	20.33	21.71	17.18	17.86	18.21	18.88	20.26
	6H	19.00	19.63	20.04	20.66	22.05	17.49	18.12	18.53	19.15	20.54
	8H	19.14	19.73	20.18	20.78	22.17	17.61	18.21	18.66	19.26	20.64
	12H	19.20	19.77	20.25	20.81	22.22	17.69	18.25	18.74	19.29	20.71
4H	2H	16.73	17.41	17.77	18.44	19.82	15.87	16.55	16.91	17.58	18.96
	3H	18.62	19.18	19.66	20.24	21.63	17.49	18.05	18.53	19.11	20.50
	4H	19.36	19.88	20.41	20.93	22.34	18.09	18.61	19.14	19.66	21.07
	6H	19.86	20.31	20.92	21.38	22.79	18.50	18.95	19.56	20.02	21.43
	8H	20.05	20.47	21.11	21.53	22.96	18.67	19.08	19.73	20.15	21.57
	12H	20.15	20.52	21.23	21.60	23.03	18.77	19.15	19.85	20.22	21.66
8H	4H	19.49	19.90	20.55	20.97	22.39	18.35	18.76	19.41	19.83	21.25
	6H	20.10	20.45	21.19	21.55	22.97	18.87	19.22	19.96	20.32	21.75
	8H	20.38	20.68	21.47	21.77	23.21	19.13	19.43	20.22	20.52	21.96
	12H	20.54	20.81	21.64	21.89	23.37	19.30	19.56	20.39	20.65	22.13
12H	4H	19.46	19.83	20.54	20.91	22.34	18.35	18.72	19.43	19.80	21.23
	6H	20.12	20.42	21.21	21.51	22.95	18.93	19.23	20.02	20.32	21.76
	8H	20.42	20.68	21.51	21.77	23.25	19.21	19.48	20.30	20.56	22.04