

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: P1438917

Luminaire Tested: CB2-B-085U-030D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438917
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-B-085U-030D-935-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

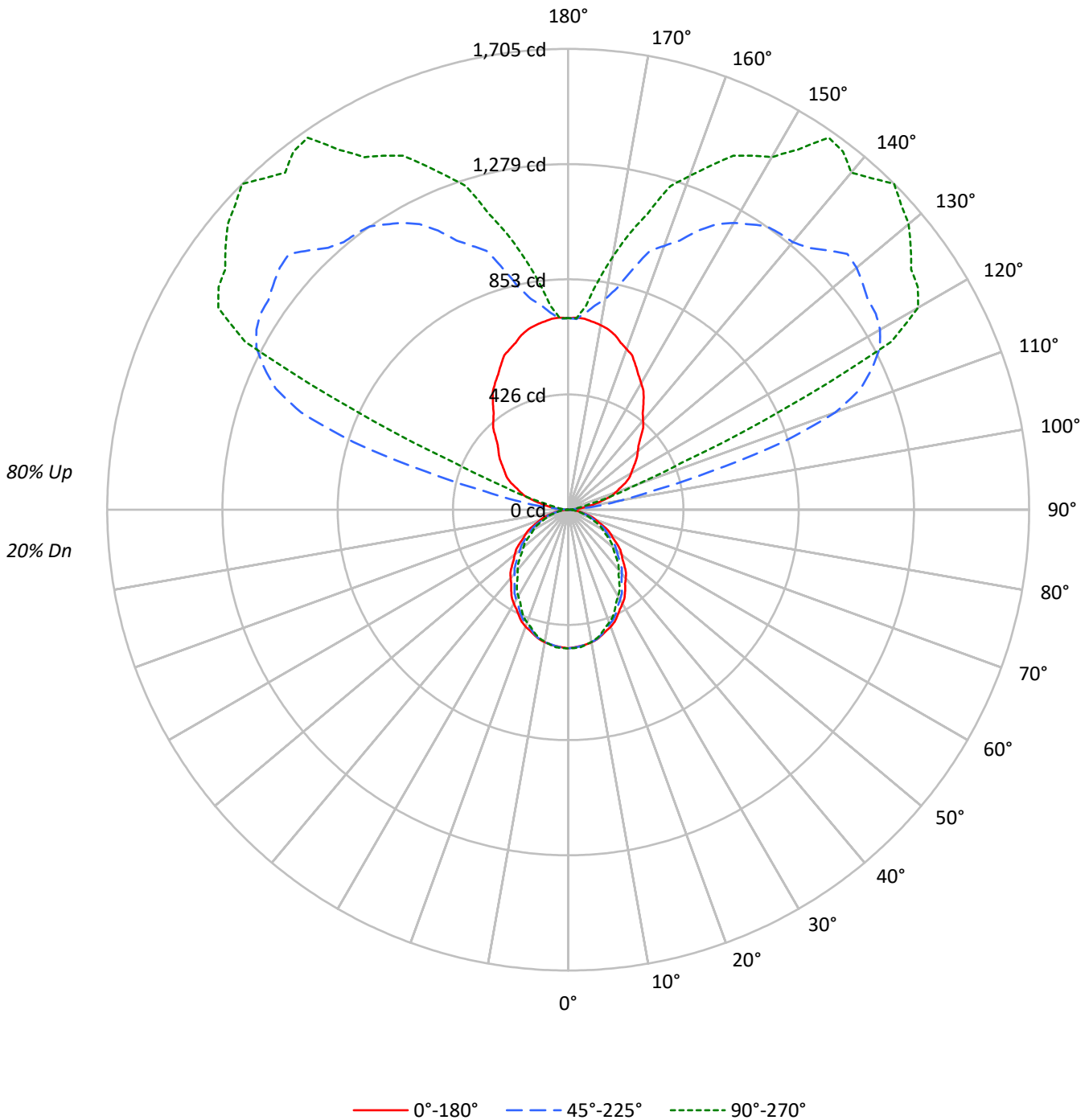
Lumens per Lamp: N/A
Luminaire Lumens: 5853.2 lumens
Efficiency: N/A
Efficacy: 171.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.23
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (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

TEST NUMBER: P1438917

CATALOG NUMBER: CB2-B-085U-030D-935-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	50	30	10	0														
RCR																																						
0	100	100	100	100	89	89	89	89	67	67	67	47	47	47	29	29	29	20																				
1	91	87	83	80	81	77	74	71	59	57	55	41	40	39	26	25	25	17																				
2	83	76	70	65	73	68	63	59	51	48	45	36	34	33	23	22	21	15																				
3	76	67	60	55	67	59	54	49	45	41	38	32	30	28	20	19	18	13																				
4	69	59	52	46	61	53	46	41	40	36	32	29	26	24	18	17	15	11																				
5	63	52	45	39	56	47	40	35	36	31	28	26	23	21	16	15	13	9																				
6	58	47	39	34	51	42	35	31	32	28	24	23	20	18	15	13	12	8																				
7	54	42	35	29	47	38	31	27	29	24	21	21	18	16	13	12	10	7																				
8	50	38	31	26	44	34	28	23	26	22	19	19	16	14	12	11	9	7																				
9	46	35	28	23	41	31	25	21	24	20	17	18	15	12	11	10	8	6																				
10	43	32	25	20	38	28	22	18	22	18	15	16	13	11	10	9	8	5																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8935	8935	8935
5°	8859	8873	8934
10°	8809	8788	8781
15°	8670	8612	8542
20°	8534	8343	8228
25°	8304	8070	7843
30°	8073	7719	7425
35°	7810	7359	7008
40°	7528	7019	6610
45°	7247	6665	6222
50°	6994	6322	5842
55°	6681	5964	5487
60°	6322	5622	5131
65°	5943	5246	4777
70°	5520	4823	4318
75°	5020	4361	3910
80°	4494	3822	3551
85°	3457	3138	2598

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7247 cd/sqm



TEST NUMBER: P1438917

CATALOG NUMBER: CB2-B-085U-030D-935-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.2	0.8
10°-20°	134.5	2.3
20°-30°	193.4	3.3
30°-40°	217.3	3.7
40°-50°	209.9	3.6
50°-60°	177.4	3.0
60°-70°	127.4	2.2
70°-80°	69.6	1.2
80°-90°	18.5	0.3
90°-100°	53.1	0.9
100°-110°	328.9	5.6
110°-120°	829.3	14.2
120°-130°	996.9	17.0
130°-140°	903.9	15.4
140°-150°	720.8	12.3
150°-160°	491.7	8.4
160°-170°	260.0	4.4
170°-180°	72.4	1.2
0°-30°	376.1	6.4
0°-40°	593.4	10.1
0°-60°	980.7	16.8
0°-90°	1196.2	20.4
90°-120°	1211.3	20.7
90°-150°	3832.9	65.5
90°-180°	4657.0	79.6
0°-180°	5853.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	513	513	513	513	513	
5°	507	514	508	508	511	48
15°	481	485	478	473	474	136
25°	432	432	420	410	408	199
35°	367	363	346	333	330	229
45°	294	288	271	256	253	227
55°	220	212	196	184	181	197
65°	144	139	127	118	116	143
75°	75	70	65	60	58	80
85°	17	16	16	14	13	21
90°	0	0	0	0	0	2
95°	28	69	21	15	15	35
105°	134	376	544	136	92	141
115°	232	513	1240	1155	880	228
125°	302	622	1353	1540	1549	271
135°	379	690	1356	1588	1705	294
145°	486	725	1280	1543	1680	304
155°	590	739	1140	1373	1445	271
165°	669	732	920	1083	1133	188
175°	709	718	730	743	758	67
180°	709	709	709	709	709	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	513.0	513.0	513.0	513.0	513.0
2.5°	509.5	515.7	511.1	511.8	512.7
5°	506.7	513.6	507.5	507.6	511.0
7.5°	503.1	509.6	501.9	500.5	503.7
10°	498.1	504.6	496.9	494.2	496.5
12.5°	491.5	497.7	490.3	486.0	488.0
15°	480.8	485.0	477.6	472.9	473.7
17.5°	469.2	471.8	461.1	457.2	456.4
20°	460.4	462.7	450.1	444.6	443.9
22.5°	449.0	451.0	437.9	431.1	430.0
25°	432.1	432.5	419.9	410.4	408.1
27.5°	414.3	413.1	399.2	387.9	384.9
30°	401.4	399.9	383.8	371.9	369.2
32.5°	387.6	384.8	368.7	355.9	353.2
35°	367.3	363.0	346.1	332.6	329.6
37.5°	345.6	340.8	324.1	309.5	306.1
40°	331.1	325.8	308.7	294.1	290.7
42.5°	316.7	310.7	293.3	278.7	275.0
45°	294.2	288.1	270.6	256.4	252.6
47.5°	272.8	265.0	248.1	233.9	230.1
50°	258.1	249.6	233.3	219.5	215.6
52.5°	243.0	234.2	218.6	205.3	201.5
55°	220.0	211.9	196.4	184.1	180.7
57.5°	197.2	189.4	175.3	163.6	160.2
60°	181.5	174.9	161.4	150.4	147.3
62.5°	166.4	160.5	147.6	137.5	134.4
65°	144.2	138.8	127.3	118.2	115.9
67.5°	122.6	117.2	107.9	99.7	97.1
70°	108.4	103.0	94.7	87.1	84.8
72.5°	94.9	89.2	82.4	75.5	73.8
75°	74.6	70.0	64.8	59.7	58.1
77.5°	56.7	52.3	48.5	44.8	44.5
80°	44.8	40.9	38.1	35.7	35.4
82.5°	33.5	30.5	28.7	26.9	26.9
85°	17.3	16.1	15.7	13.7	13.0
87.5°	5.0	5.0	4.4	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0
92.5°	7.3	12.1	4.9	4.9	4.9
95°	27.5	69.3	21.4	15.3	15.3
97.5°	57.4	166.2	115.5	31.1	26.9
100°	79.4	240.7	198.6	45.6	36.7
102.5°	101.4	305.7	313.4	72.3	56.2
105°	134.4	376.4	543.8	136.5	91.6
107.5°	166.8	422.5	833.4	281.6	169.9
110°	186.4	449.2	1050.9	439.0	262.7



TEST NUMBER: P1438917

CATALOG NUMBER: CB2-B-085U-030D-935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	205.9	475.9	1170.6	703.7	453.4
115°	232.2	513.0	1240.3	1154.6	879.8
117.5°	254.2	546.9	1300.2	1427.9	1347.2
120°	268.8	573.5	1331.9	1467.0	1493.9
122.5°	283.5	593.0	1349.1	1482.2	1533.0
125°	302.4	622.1	1353.3	1539.9	1548.8
127.5°	321.4	644.0	1373.5	1592.9	1597.1
130°	336.0	658.6	1393.0	1610.7	1643.5
132.5°	353.1	671.0	1400.4	1620.8	1670.4
135°	378.8	689.5	1356.4	1588.2	1704.6
137.5°	411.2	702.7	1314.2	1587.2	1662.5
140°	430.7	705.6	1292.2	1622.3	1628.3
142.5°	452.7	713.2	1287.3	1618.4	1669.8
145°	485.7	724.7	1280.0	1542.8	1680.2
147.5°	518.7	732.0	1251.9	1459.3	1579.4
150°	540.7	734.9	1225.0	1431.4	1506.1
152.5°	562.7	737.8	1190.8	1414.0	1476.7
155°	589.6	739.0	1139.5	1373.3	1445.0
157.5°	617.7	735.4	1077.8	1298.9	1377.2
160°	632.4	730.9	1038.7	1244.9	1313.6
162.5°	647.0	728.9	1004.5	1174.3	1255.0
165°	669.0	731.8	919.5	1082.6	1133.4
167.5°	683.7	729.1	840.1	973.7	1045.4
170°	693.5	729.3	791.2	890.3	950.1
172.5°	700.8	717.5	761.9	814.1	854.8
175°	708.7	717.7	730.1	742.7	757.6
177.5°	711.2	716.0	706.3	704.0	708.7
180°	708.7	708.7	708.7	708.7	708.7



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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	10.86	11.51	12.04	12.66	14.31	9.77	10.41	10.94	11.57	13.21
	3H	12.49	13.07	13.68	14.24	15.89	11.28	11.85	12.46	13.02	14.67
	4H	13.11	13.66	14.30	14.82	16.48	11.84	12.39	13.03	13.55	15.21
	6H	13.50	14.00	14.70	15.17	16.84	12.20	12.70	13.40	13.87	15.54
	8H	13.64	14.12	14.85	15.31	16.97	12.33	12.81	13.53	13.99	15.65
	12H	13.71	14.16	14.92	15.34	17.02	12.39	12.84	13.59	14.02	15.70
4H	2H	11.25	11.79	12.45	12.96	14.62	10.37	10.92	11.57	12.09	13.74
	3H	13.10	13.55	14.30	14.74	16.41	12.09	12.54	13.29	13.74	15.40
	4H	13.83	14.25	15.04	15.43	17.12	12.75	13.17	13.96	14.35	16.04
	6H	14.34	14.70	15.55	15.90	17.58	13.22	13.57	14.42	14.78	16.45
	8H	14.54	14.88	15.75	16.07	17.76	13.40	13.74	14.61	14.93	16.62
	12H	14.64	14.94	15.86	16.14	17.84	13.48	13.78	14.70	14.99	16.68
8H	4H	13.97	14.31	15.18	15.50	17.19	13.01	13.34	14.21	14.54	16.23
	6H	14.60	14.88	15.83	16.12	17.81	13.60	13.88	14.83	15.12	16.80
	8H	14.89	15.13	16.12	16.34	18.06	13.88	14.12	15.11	15.33	17.04
	12H	15.06	15.27	16.29	16.48	18.22	14.02	14.23	15.25	15.44	17.18
12H	4H	13.94	14.25	15.16	15.45	17.15	13.00	13.31	14.22	14.51	16.21
	6H	14.63	14.87	15.86	16.08	17.79	13.67	13.90	14.89	15.12	16.83
	8H	14.94	15.15	16.17	16.36	18.10	13.96	14.17	15.19	15.38	17.12