

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: P1438925

Luminaire Tested: CB2-B-085U-055D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438925
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-055D-935-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

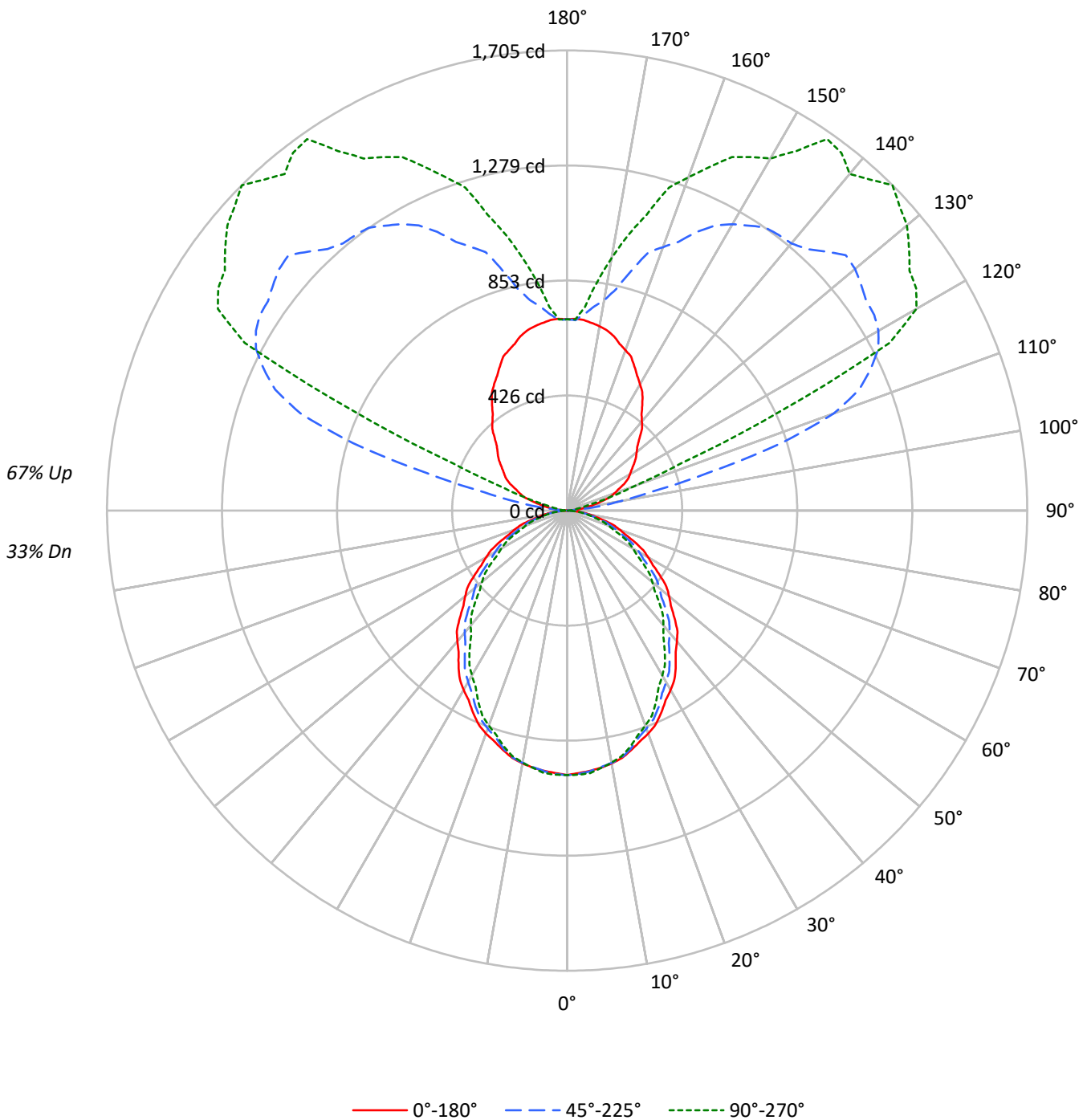
Lumens per Lamp: N/A
Luminaire Lumens: 6942.3 lumens
Efficiency: N/A
Efficacy: 161.4 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 43
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	0
RCR																		
0	103	103	103	103	93	93	93	93	74	74	74	56	56	56	40	40	40	33
1	94	90	86	83	85	81	78	75	65	63	61	50	48	47	36	35	34	28
2	86	79	73	68	77	71	66	62	57	53	50	44	42	39	32	30	29	24
3	78	69	62	57	70	63	57	52	50	46	42	39	36	34	28	26	25	20
4	72	61	54	48	64	55	49	44	45	40	36	35	31	29	25	23	22	17
5	66	54	47	41	59	49	43	38	40	35	31	31	28	25	23	21	19	15
6	60	49	41	35	54	44	38	33	36	31	27	28	25	22	21	18	17	13
7	56	44	36	31	50	40	33	29	33	28	24	26	22	19	19	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	23	20	17	17	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	21	18	15	16	14	12	10
10	45	33	26	22	40	30	24	20	25	20	17	20	16	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17069	17069	17069
5°	16924	16951	17070
10°	16828	16788	16775
15°	16562	16454	16319
20°	16302	15938	15716
25°	15862	15417	14984
30°	15424	14744	14187
35°	14918	14057	13387
40°	14383	13410	12626
45°	13843	12735	11885
50°	13359	12077	11164
55°	12760	11393	10482
60°	12077	10743	9802
65°	11350	10019	9125
70°	10547	9207	8255
75°	9596	8331	7477
80°	8576	7302	6770
85°	6595	5995	4956

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13843 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.2	1.3
10°-20°	256.9	3.7
20°-30°	369.4	5.3
30°-40°	415.2	6.0
40°-50°	401.1	5.8
50°-60°	338.9	4.9
60°-70°	243.4	3.5
70°-80°	133.0	1.9
80°-90°	35.3	0.5
90°-100°	53.1	0.8
100°-110°	328.9	4.7
110°-120°	829.3	11.9
120°-130°	996.9	14.4
130°-140°	903.9	13.0
140°-150°	720.8	10.4
150°-160°	491.7	7.1
160°-170°	260.0	3.7
170°-180°	72.4	1.0
0°-30°	718.4	10.3
0°-40°	1133.6	16.3
0°-60°	1873.5	27.0
0°-90°	2285.3	32.9
90°-120°	1211.3	17.4
90°-150°	3832.9	55.2
90°-180°	4657.0	67.1
0°-180°	6942.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	980	980	980	980	980	
5°	968	981	970	970	976	92
15°	918	926	912	904	905	259
25°	825	826	802	784	780	380
35°	702	694	661	635	630	438
45°	562	550	517	490	482	434
55°	420	405	375	352	345	376
65°	275	265	243	226	221	273
75°	143	134	124	114	111	153
85°	33	31	30	26	25	39
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°	980.0	980.0	980.0	980.0	980.0
2.5°	973.4	985.1	976.4	977.6	979.4
5°	968.0	981.2	969.5	969.7	976.3
7.5°	961.1	973.6	958.8	956.1	962.3
10°	951.5	964.0	949.2	944.1	948.5
12.5°	938.9	950.8	936.6	928.5	932.3
15°	918.5	926.5	912.5	903.5	905.0
17.5°	896.3	901.3	881.0	873.4	872.0
20°	879.5	883.9	859.9	849.4	847.9
22.5°	857.8	861.7	836.5	823.6	821.5
25°	825.4	826.2	802.2	784.1	779.7
27.5°	791.5	789.2	762.5	741.1	735.4
30°	766.9	764.0	733.1	710.5	705.4
32.5°	740.5	735.2	704.3	679.9	674.8
35°	701.6	693.5	661.1	635.4	629.6
37.5°	660.2	651.1	619.2	591.3	584.7
40°	632.6	622.3	589.8	561.9	555.3
42.5°	605.0	593.5	560.4	532.5	525.3
45°	562.0	550.3	517.0	489.8	482.5
47.5°	521.2	506.3	473.9	446.9	439.6
50°	493.0	476.9	445.7	419.3	412.0
52.5°	464.2	447.5	417.5	392.3	385.0
55°	420.2	404.8	375.2	351.8	345.2
57.5°	376.7	361.9	334.8	312.5	306.0
60°	346.7	334.2	308.4	287.3	281.4
62.5°	317.9	306.6	282.0	262.7	256.8
65°	275.4	265.1	243.1	225.8	221.4
67.5°	234.1	223.8	206.1	190.5	185.5
70°	207.1	196.8	180.8	166.5	162.1
72.5°	181.3	170.4	157.4	144.3	141.1
75°	142.6	133.8	123.8	114.0	111.1
77.5°	108.4	99.8	92.6	85.7	84.9
80°	85.5	78.2	72.8	68.3	67.5
82.5°	63.9	58.4	54.8	51.5	51.3
85°	33.0	30.8	30.0	26.2	24.8
87.5°	9.6	9.6	8.4	7.2	7.2
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



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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	15.02	15.74	16.12	16.83	18.33	13.93	14.65	15.02	15.73	17.23
	3H	16.66	17.30	17.76	18.40	19.92	15.44	16.09	16.54	17.18	18.70
	4H	17.28	17.89	18.39	18.99	20.51	16.01	16.62	17.12	17.72	19.24
	6H	17.68	18.24	18.80	19.34	20.87	16.37	16.94	17.49	18.04	19.57
	8H	17.82	18.36	18.94	19.47	21.00	16.51	17.04	17.63	18.16	19.69
	12H	17.89	18.40	19.02	19.51	21.06	16.57	17.07	17.70	18.19	19.73
4H	2H	15.42	16.03	16.54	17.13	18.65	14.54	15.15	15.66	16.25	17.77
	3H	17.27	17.78	18.40	18.91	20.44	16.26	16.77	17.39	17.90	19.43
	4H	18.01	18.48	19.14	19.60	21.15	16.93	17.40	18.06	18.52	20.07
	6H	18.52	18.93	19.66	20.06	21.61	17.40	17.80	18.54	18.94	20.48
	8H	18.73	19.10	19.86	20.23	21.79	17.59	17.96	18.72	19.09	20.65
	12H	18.83	19.16	19.98	20.31	21.87	17.67	18.01	18.82	19.15	20.71
8H	4H	18.16	18.53	19.29	19.66	21.22	17.19	17.57	18.33	18.70	20.26
	6H	18.79	19.10	19.95	20.28	21.83	17.79	18.10	18.95	19.27	20.83
	8H	19.08	19.35	20.25	20.51	22.08	18.07	18.34	19.23	19.49	21.07
	12H	19.25	19.49	20.42	20.64	22.25	18.21	18.45	19.38	19.60	21.21
12H	4H	18.13	18.47	19.28	19.61	21.18	17.19	17.53	18.34	18.67	20.24
	6H	18.82	19.09	19.98	20.24	21.82	17.86	18.12	19.02	19.28	20.85
	8H	19.13	19.37	20.30	20.52	22.13	18.15	18.39	19.32	19.54	21.15