

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: P1439441

Luminaire Tested: CB3-B-085U-055D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439441
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-055D-927-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

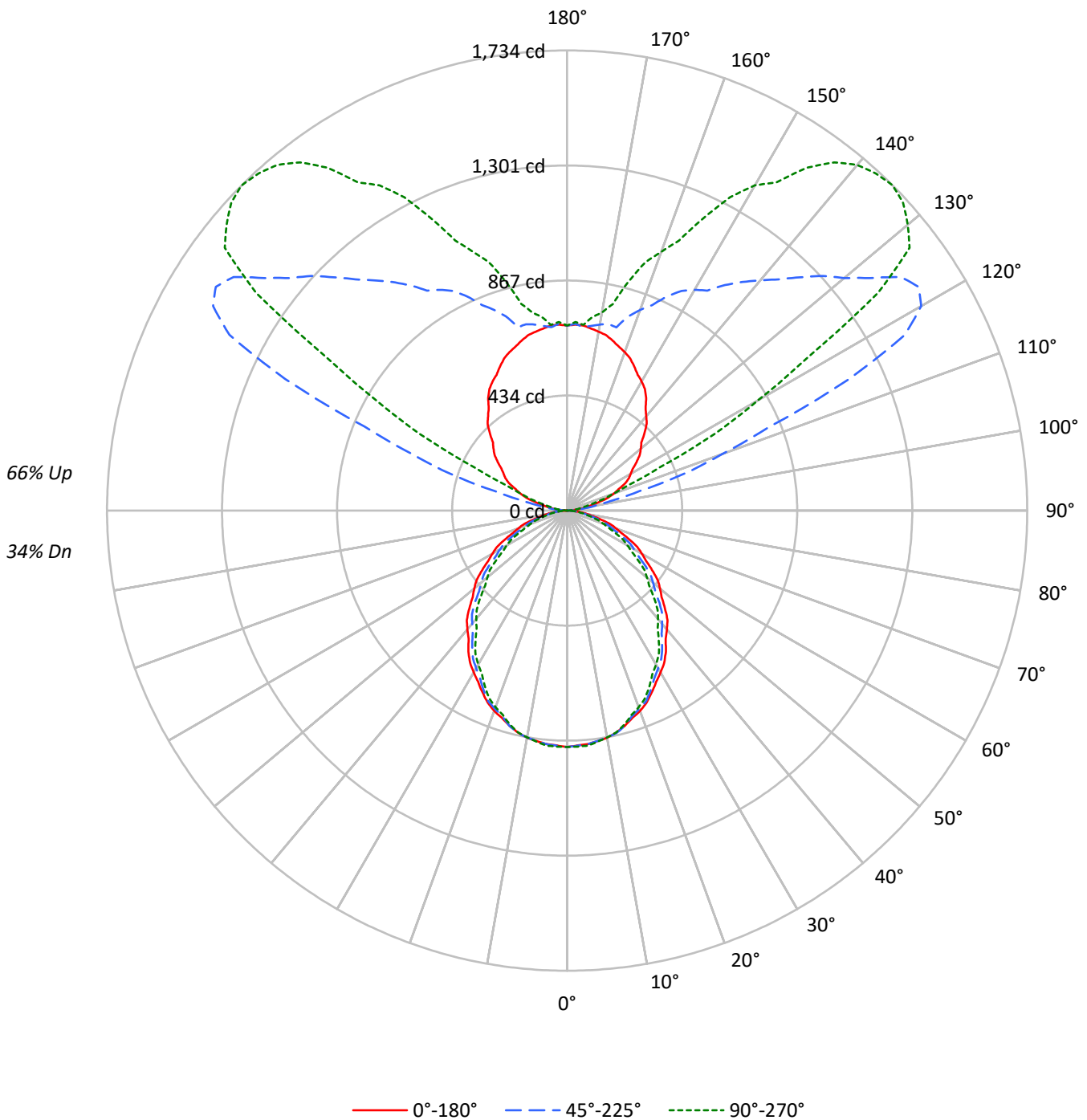
Lumens per Lamp: N/A
Luminaire Lumens: 6230.1 lumens
Efficiency: N/A
Efficacy: 154.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 40.4
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

TEST NUMBER: P1439441

CATALOG NUMBER: CB3-B-085U-055D-927-1D-UNV-STD-W-4

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	75	75	75	57	57	57	42	42	42	34
1	94	90	86	83	85	82	78	76	65	63	61	51	49	48	37	36	35	29
2	86	79	73	68	77	71	66	62	57	54	51	45	42	40	33	31	30	25
3	78	69	62	57	71	63	57	52	51	46	43	39	37	34	29	27	26	21
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22	18
5	66	55	47	41	59	50	43	38	40	35	32	32	28	25	23	21	19	16
6	61	49	41	36	55	45	38	33	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	34	29	33	28	24	26	22	20	19	17	15	12
8	52	40	32	27	47	37	30	25	30	25	21	24	20	17	18	15	14	11
9	48	36	29	24	44	33	27	23	27	22	19	22	18	16	17	14	12	10
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10079	10079	10079
5°	10031	10038	10096
10°	9986	9973	9973
15°	9834	9834	9774
20°	9674	9575	9492
25°	9431	9312	9146
30°	9199	8960	8744
35°	8957	8625	8319
40°	8635	8223	7868
45°	8341	7866	7380
50°	8041	7439	6904
55°	7713	7027	6452
60°	7359	6599	5940
65°	6945	6115	5403
70°	6467	5544	4813
75°	5862	4866	4289
80°	5108	4079	3792
85°	3947	3453	3453

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8341 cd/sqm



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CATALOG NUMBER: CB3-B-085U-055D-927-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	1.3
10°-20°	236.1	3.8
20°-30°	343.0	5.5
30°-40°	390.0	6.3
40°-50°	378.6	6.1
50°-60°	319.7	5.1
60°-70°	227.4	3.7
70°-80°	121.5	2.0
80°-90°	32.1	0.5
90°-100°	47.1	0.8
100°-110°	246.9	4.0
110°-120°	621.4	10.0
120°-130°	958.7	15.4
130°-140°	877.7	14.1
140°-150°	647.7	10.4
150°-160°	412.9	6.6
160°-170°	217.4	3.5
170°-180°	67.7	1.1
0°-30°	663.2	10.6
0°-40°	1053.2	16.9
0°-60°	1751.5	28.1
0°-90°	2132.6	34.2
90°-120°	915.4	14.7
90°-150°	3399.6	54.6
90°-180°	4098.0	65.8
0°-180°	6230.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	891	891	891	891	891	
5°	883	894	884	883	889	84
15°	840	847	840	834	834	236
25°	755	758	746	736	733	348
35°	648	642	624	606	602	404
45°	521	513	492	468	461	402
55°	391	380	356	333	327	350
65°	259	250	228	208	202	257
75°	134	127	111	100	98	143
85°	30	28	27	27	27	36
90°	0	0	0	0	0	2
95°	25	70	28	15	15	31
105°	126	390	282	116	95	134
115°	239	488	1172	510	387	233
125°	319	493	1534	1547	1430	286
135°	411	549	1243	1695	1734	318
145°	519	600	1037	1442	1577	322
155°	598	644	890	1101	1215	276
165°	663	681	715	836	893	187
175°	700	715	694	697	703	66
180°	697	697	697	697	697	



TEST NUMBER: P1439441

CATALOG NUMBER: CB3-B-085U-055D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	890.8	890.8	890.8	890.8	890.8
2.5°	886.2	895.1	887.2	888.3	890.2
5°	883.2	894.3	883.8	882.7	888.9
7.5°	876.3	886.5	875.6	873.0	878.6
10°	869.2	880.4	868.0	864.9	868.0
12.5°	856.6	868.2	858.4	853.2	855.8
15°	839.5	846.9	839.5	834.4	834.4
17.5°	818.6	826.4	812.4	808.9	807.5
20°	803.4	810.3	795.2	790.1	788.3
22.5°	783.2	789.5	777.0	768.3	766.0
25°	755.4	757.8	745.9	735.7	732.6
27.5°	727.4	728.0	711.6	699.2	695.1
30°	704.1	704.7	685.8	672.4	669.3
32.5°	680.8	679.0	661.0	645.1	643.0
35°	648.5	642.3	624.4	606.0	602.3
37.5°	609.4	605.6	584.6	566.1	560.5
40°	584.6	578.4	556.7	538.2	532.7
42.5°	559.8	552.6	530.4	509.9	503.8
45°	521.3	513.3	491.6	468.0	461.2
47.5°	482.6	473.8	449.9	427.1	419.6
50°	456.8	447.5	422.6	400.3	392.2
52.5°	430.4	420.7	395.8	373.0	366.4
55°	391.0	380.5	356.2	333.3	327.1
57.5°	351.5	341.1	317.0	295.3	287.8
60°	325.2	315.3	291.6	270.0	262.5
62.5°	298.4	288.9	265.8	244.7	237.7
65°	259.4	250.1	228.4	208.0	201.8
67.5°	220.8	212.9	191.4	172.7	167.8
70°	195.5	188.1	167.6	150.5	145.5
72.5°	171.2	163.3	143.9	129.2	125.8
75°	134.1	126.7	111.3	99.9	98.1
77.5°	100.2	94.1	80.9	74.4	73.4
80°	78.4	72.9	62.6	58.2	58.2
82.5°	58.2	53.6	46.9	45.0	45.0
85°	30.4	27.9	26.6	26.6	26.6
87.5°	9.1	9.1	8.6	8.1	8.1
90°	0.0	0.0	0.0	0.0	0.0
92.5°	7.4	17.0	4.9	2.5	4.9
95°	24.6	69.6	27.6	15.3	15.3
97.5°	50.9	155.4	71.2	38.0	34.4
100°	70.6	220.6	110.5	55.1	49.1
102.5°	92.7	285.9	167.0	74.6	63.8
105°	125.8	389.9	282.3	116.1	95.1
107.5°	162.7	460.9	465.3	179.0	144.2
110°	187.2	490.3	619.9	235.1	181.1



TEST NUMBER: P1439441

CATALOG NUMBER: CB3-B-085U-055D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	209.3	498.0	826.2	320.6	247.4
115°	239.4	488.4	1172.3	509.7	386.7
117.5°	261.5	464.9	1435.0	810.9	625.5
120°	276.2	465.3	1540.6	1038.7	831.7
122.5°	293.4	468.0	1570.1	1265.0	1074.7
125°	319.2	493.2	1534.5	1547.2	1430.1
127.5°	345.0	511.8	1438.7	1663.2	1626.5
130°	362.1	524.2	1362.6	1702.7	1675.7
132.5°	379.3	536.6	1308.6	1703.6	1717.4
135°	411.2	549.3	1242.9	1695.0	1734.0
137.5°	443.8	565.0	1181.5	1641.3	1722.3
140°	463.4	577.4	1132.4	1583.2	1700.2
142.5°	485.5	587.5	1085.8	1529.3	1653.6
145°	518.7	599.7	1037.3	1442.4	1577.4
147.5°	544.4	606.2	982.7	1354.7	1466.3
150°	561.6	606.6	960.6	1276.8	1414.8
152.5°	576.4	619.0	933.6	1205.3	1331.3
155°	598.4	643.5	890.0	1101.3	1215.3
157.5°	620.5	663.8	838.4	1023.7	1101.1
160°	635.3	671.3	804.1	986.3	1037.3
162.5°	647.6	678.8	767.2	922.6	980.8
165°	662.9	680.9	715.1	836.1	893.1
167.5°	677.0	686.0	719.4	751.1	797.3
170°	684.4	693.4	712.0	743.0	758.0
172.5°	691.7	705.5	702.2	723.3	735.9
175°	699.7	714.7	693.6	696.8	702.8
177.5°	701.6	708.8	704.0	704.2	711.4
180°	696.7	696.7	696.7	696.7	696.7



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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	13.51	14.23	14.59	15.32	16.80	12.43	13.16	13.51	14.24	15.72
	3H	15.16	15.82	16.26	16.91	18.40	13.83	14.48	14.92	15.57	17.07
	4H	15.79	16.41	16.89	17.50	19.00	14.34	14.96	15.45	16.05	17.56
	6H	16.17	16.73	17.28	17.83	19.35	14.65	15.22	15.77	16.32	17.83
	8H	16.30	16.84	17.41	17.95	19.46	14.77	15.31	15.89	16.43	17.93
	12H	16.36	16.88	17.48	17.98	19.51	14.84	15.36	15.96	16.46	18.00
4H	2H	13.90	14.52	15.01	15.61	17.11	13.04	13.66	14.15	14.75	16.25
	3H	15.78	16.29	16.89	17.41	18.93	14.65	15.16	15.76	16.28	17.80
	4H	16.52	16.99	17.64	18.10	19.64	15.25	15.72	16.37	16.83	18.37
	6H	17.01	17.42	18.14	18.55	20.08	15.65	16.06	16.78	17.19	18.72
	8H	17.20	17.58	18.33	18.70	20.25	15.82	16.20	16.95	17.32	18.87
	12H	17.29	17.64	18.44	18.77	20.32	15.92	16.26	17.06	17.40	18.95
8H	4H	16.64	17.02	17.77	18.14	19.68	15.50	15.88	16.63	17.00	18.55
	6H	17.25	17.56	18.40	18.73	20.27	16.02	16.33	17.17	17.50	19.04
	8H	17.53	17.80	18.68	18.94	20.51	16.27	16.55	17.43	17.69	19.25
	12H	17.68	17.92	18.84	19.07	20.66	16.44	16.68	17.60	17.82	19.42
12H	4H	16.60	16.95	17.75	18.08	19.63	15.49	15.84	16.64	16.97	18.52
	6H	17.27	17.54	18.42	18.68	20.25	16.08	16.35	17.23	17.50	19.06
	8H	17.56	17.80	18.72	18.94	20.54	16.35	16.59	17.51	17.73	19.33