

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1057095

Luminaire Tested: CB3-B-085U-030D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057095
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-119-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-B-085U-030D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10798.8 lumens
Efficiency: N/A
Efficacy: 147.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

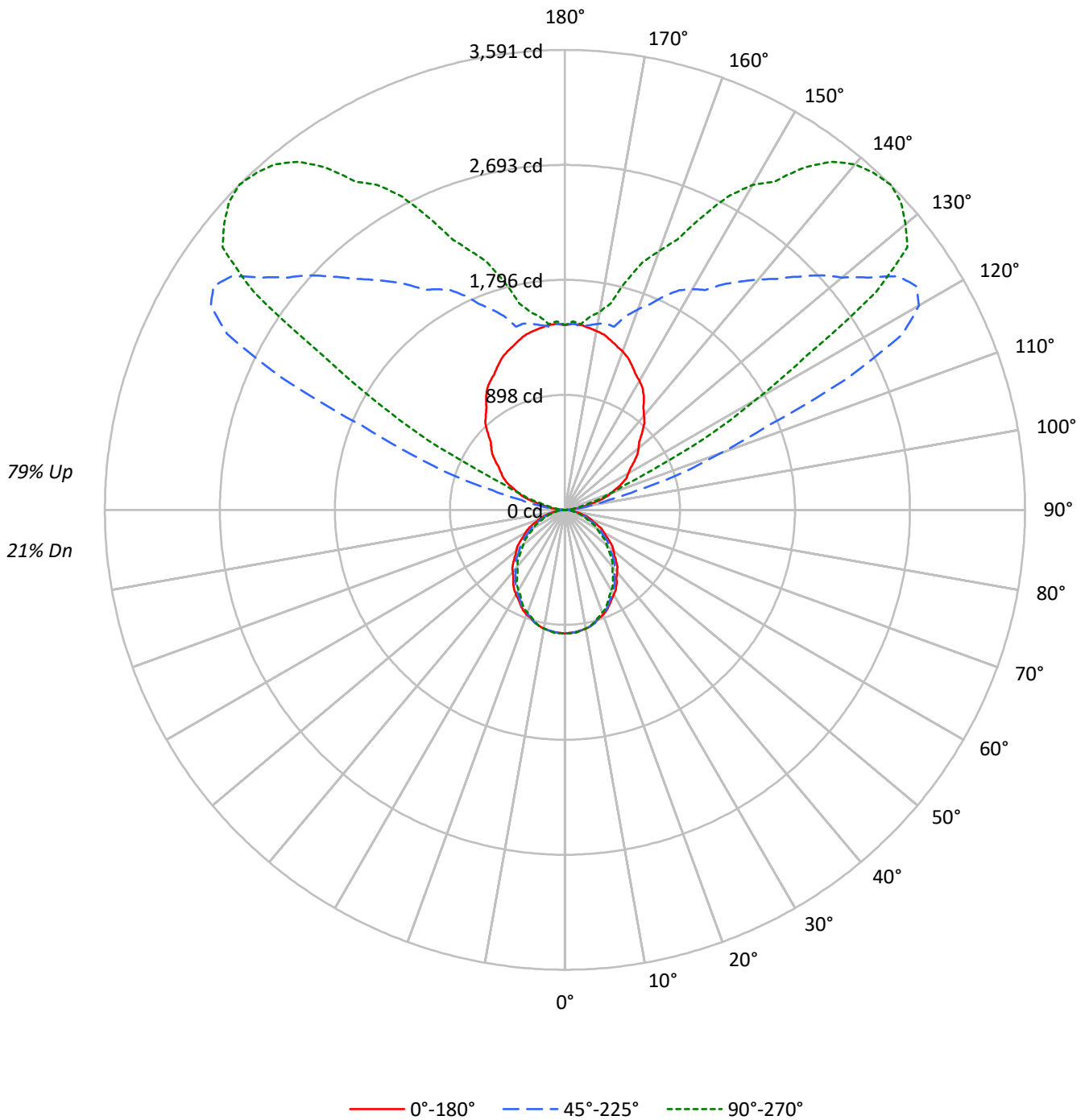
Input Watts (W): 73
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0
RCR																		
0	100	100	100	100	89	89	89	89	67	67	67	48	48	48	30	30	30	21
1	91	87	84	80	81	78	74	72	59	57	55	42	41	40	26	26	25	18
2	83	76	71	66	74	68	63	59	52	49	46	37	35	33	23	22	21	15
3	76	67	60	55	67	60	54	49	46	42	39	33	30	28	21	19	18	13
4	69	59	52	46	61	53	46	42	41	36	33	29	26	24	19	17	16	11
5	64	53	45	39	56	47	40	36	36	32	28	26	23	21	17	15	14	10
6	58	47	39	34	52	42	35	31	32	28	24	24	20	18	15	13	12	9
7	54	42	35	29	48	38	31	27	29	25	21	21	18	16	14	12	11	8
8	50	38	31	26	44	34	28	23	27	22	19	19	16	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	16	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5463	5463	5463
5°	5438	5442	5473
10°	5414	5406	5406
15°	5331	5331	5299
20°	5244	5191	5145
25°	5112	5048	4958
30°	4987	4857	4741
35°	4855	4676	4510
40°	4681	4458	4265
45°	4522	4264	4000
50°	4358	4033	3742
55°	4181	3809	3497
60°	3988	3578	3220
65°	3764	3314	2929
70°	3505	3007	2610
75°	3178	2638	2324
80°	2769	2212	2056
85°	2136	1869	1869

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4522 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	0.8
10°-20°	256.0	2.4
20°-30°	371.9	3.4
30°-40°	422.9	3.9
40°-50°	410.5	3.8
50°-60°	346.6	3.2
60°-70°	246.6	2.3
70°-80°	131.7	1.2
80°-90°	34.8	0.3
90°-100°	97.6	0.9
100°-110°	511.3	4.7
110°-120°	1287.1	11.9
120°-130°	1985.7	18.4
130°-140°	1817.8	16.8
140°-150°	1341.6	12.4
150°-160°	855.2	7.9
160°-170°	450.2	4.2
170°-180°	140.2	1.3
0°-30°	719.0	6.7
0°-40°	1141.9	10.6
0°-60°	1899.0	17.6
0°-90°	2312.1	21.4
90°-120°	1896.0	17.6
90°-150°	7041.1	65.2
90°-180°	8487.0	78.6
0°-180°	10798.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	966	966	966	966	966	
5°	958	970	958	957	964	91
15°	910	918	910	905	905	256
25°	819	822	809	798	794	377
35°	703	696	677	657	653	438
45°	565	556	533	507	500	436
55°	424	412	386	361	355	379
65°	281	271	248	226	219	279
75°	145	137	121	108	106	155
85°	33	30	29	29	29	39
90°	0	0	0	0	0	3
95°	51	144	57	32	32	64
105°	261	808	585	241	197	278
115°	496	1012	2428	1056	801	483
125°	661	1022	3178	3204	2962	591
135°	852	1138	2574	3510	3591	658
145°	1074	1242	2148	2988	3267	668
155°	1240	1333	1843	2281	2517	571
165°	1373	1410	1481	1732	1850	387
175°	1449	1480	1436	1443	1456	137
180°	1443	1443	1443	1443	1443	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	965.7	965.7	965.7	965.7	965.7
2.5°	960.8	970.4	961.9	963.0	965.2
5°	957.5	969.6	958.2	957.0	963.7
7.5°	950.1	961.1	949.3	946.5	952.6
10°	942.4	954.5	941.0	937.7	941.0
12.5°	928.7	941.3	930.6	925.0	927.9
15°	910.2	918.2	910.2	904.7	904.7
17.5°	887.5	896.0	880.8	876.9	875.5
20°	871.1	878.5	862.2	856.6	854.6
22.5°	849.1	856.0	842.4	833.0	830.5
25°	818.9	821.6	808.7	797.6	794.3
27.5°	788.6	789.3	771.5	758.1	753.7
30°	763.4	764.1	743.5	729.0	725.7
32.5°	738.2	736.1	716.6	699.4	697.1
35°	703.0	696.3	677.0	657.0	653.0
37.5°	660.6	656.6	633.8	613.7	607.7
40°	633.8	627.1	603.6	583.6	577.5
42.5°	606.9	599.1	575.0	552.8	546.2
45°	565.2	556.5	532.9	507.4	500.0
47.5°	523.2	513.7	487.8	463.1	454.9
50°	495.2	485.2	458.2	434.0	425.2
52.5°	466.7	456.1	429.1	404.4	397.3
55°	423.9	412.5	386.2	361.3	354.6
57.5°	381.1	369.8	343.6	320.1	312.1
60°	352.5	341.8	316.2	292.7	284.6
62.5°	323.5	313.3	288.2	265.3	257.8
65°	281.2	271.2	247.6	225.5	218.8
67.5°	239.4	230.8	207.5	187.3	181.9
70°	211.9	203.9	181.8	163.1	157.8
72.5°	185.6	177.0	156.0	140.1	136.4
75°	145.4	137.4	120.7	108.3	106.3
77.5°	108.6	102.1	87.7	80.6	79.6
80°	85.0	79.0	67.9	63.1	63.1
82.5°	63.1	58.1	50.9	48.8	48.8
85°	32.9	30.2	28.8	28.8	28.8
87.5°	9.9	9.9	9.3	8.8	8.8
90°	0.0	0.0	0.0	0.0	0.0
92.5°	15.3	35.1	10.2	5.2	10.2
95°	50.9	144.1	57.2	31.8	31.8
97.5°	105.5	321.8	147.5	78.6	71.2
100°	146.2	456.9	228.8	114.1	101.7
102.5°	192.0	592.2	345.8	154.6	132.2
105°	260.6	807.5	584.8	240.6	197.0
107.5°	336.9	954.7	963.6	370.8	298.7
110°	387.7	1015.5	1284.0	486.9	375.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	433.5	1031.4	1711.1	664.0	512.3
115°	495.8	1011.6	2428.1	1055.7	800.9
117.5°	541.6	962.9	2972.2	1679.5	1295.4
120°	572.1	963.6	3190.9	2151.4	1722.6
122.5°	607.7	969.4	3251.9	2620.0	2226.0
125°	661.1	1021.5	3178.2	3204.4	2962.0
127.5°	714.5	1060.0	2979.8	3444.7	3368.8
130°	750.0	1085.7	2822.2	3526.5	3470.5
132.5°	785.6	1111.3	2710.3	3528.4	3557.0
135°	851.7	1137.6	2574.3	3510.5	3591.3
137.5°	919.1	1170.2	2447.2	3399.4	3567.2
140°	959.8	1196.0	2345.5	3279.0	3521.4
142.5°	1005.6	1216.9	2248.9	3167.5	3424.8
145°	1074.2	1242.0	2148.4	2987.5	3267.1
147.5°	1127.6	1255.6	2035.3	2805.8	3037.0
150°	1163.2	1256.4	1989.5	2644.4	2930.3
152.5°	1193.7	1282.0	1933.6	2496.3	2757.4
155°	1239.5	1332.7	1843.3	2280.9	2517.1
157.5°	1285.2	1374.7	1736.5	2120.3	2280.6
160°	1315.8	1390.3	1665.4	2042.8	2148.4
162.5°	1341.2	1405.8	1589.1	1910.9	2031.5
165°	1373.0	1410.3	1481.0	1731.6	1849.7
167.5°	1402.2	1420.8	1489.9	1555.7	1651.4
170°	1417.5	1436.1	1474.7	1538.9	1570.0
172.5°	1432.7	1461.3	1454.3	1498.1	1524.2
175°	1449.2	1480.3	1436.5	1443.2	1455.6
177.5°	1453.1	1468.0	1458.1	1458.5	1473.4
180°	1442.9	1442.9	1442.9	1442.9	1442.9

(END OF REPORT)