

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: P1057094

Luminaire Tested: CB3-B-085U-030D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057094
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9897.8 lumens
Efficiency: N/A
Efficacy: 135.6 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

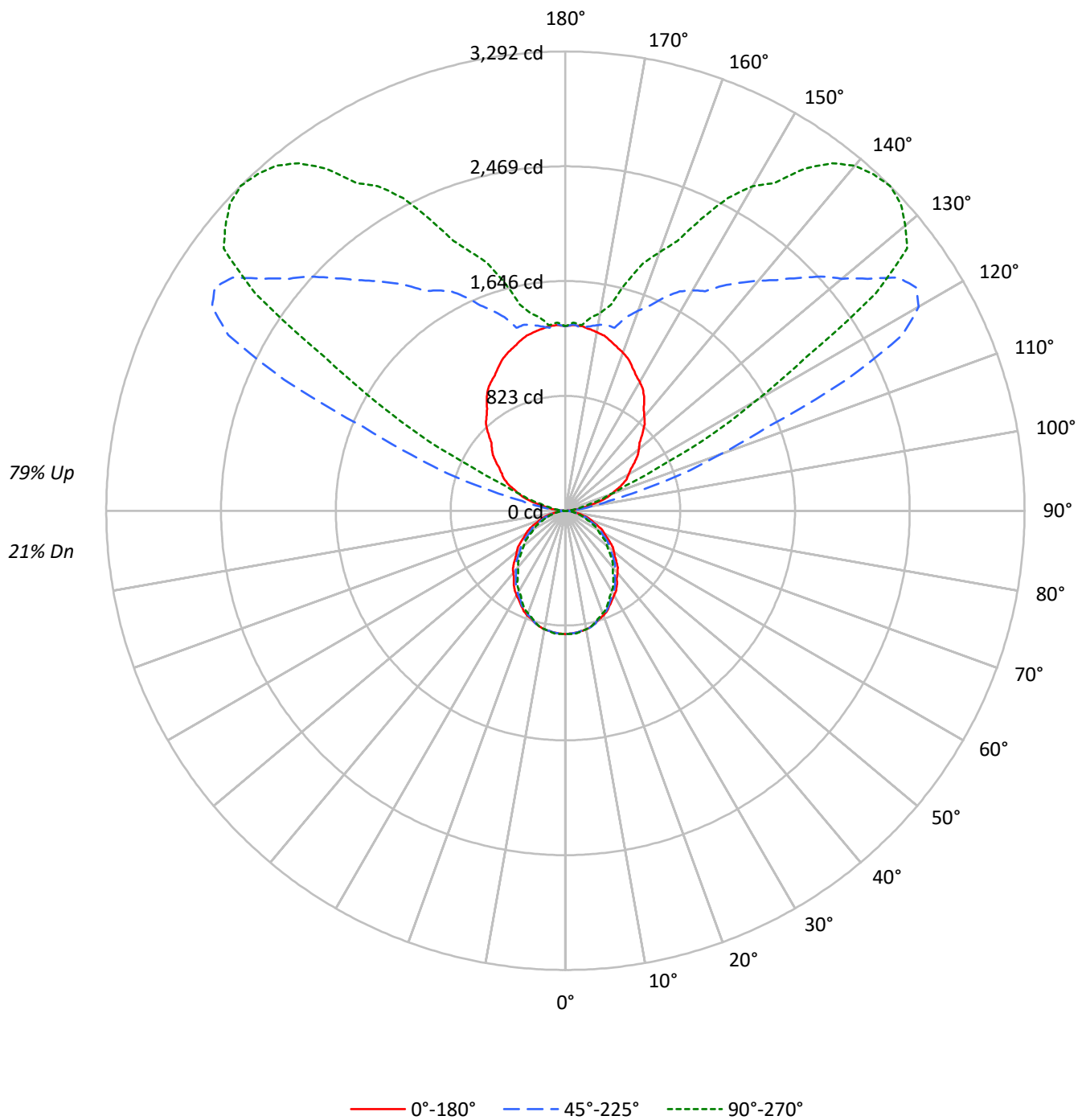
Input Watts (W): 73
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	100	100	100	100	89	89	89	89	67	67	67	48	48	48	30	30	30
1	91	87	84	80	81	78	74	72	59	57	55	42	41	40	26	26	25
2	83	76	71	66	74	68	63	59	52	49	46	37	35	33	23	22	21
3	76	67	60	55	67	60	54	49	46	42	39	33	30	28	21	19	18
4	69	59	52	46	61	53	46	42	41	36	33	29	26	24	19	17	16
5	64	53	45	39	56	47	40	36	36	32	28	26	23	21	17	15	14
6	58	47	39	34	52	42	35	31	32	28	24	24	20	18	15	13	12
7	54	42	35	29	48	38	31	27	29	25	21	21	18	16	14	12	11
8	50	38	31	26	44	34	28	23	27	22	19	19	16	14	13	11	10
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9
10	43	32	25	20	38	28	22	18	22	18	15	16	13	11	11	9	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5008	5008	5008
5°	4984	4987	5016
10°	4962	4955	4955
15°	4886	4886	4857
20°	4807	4757	4716
25°	4685	4627	4544
30°	4571	4452	4345
35°	4450	4285	4133
40°	4290	4085	3909
45°	4144	3908	3667
50°	3995	3696	3431
55°	3832	3491	3206
60°	3656	3279	2952
65°	3451	3037	2684
70°	3214	2756	2392
75°	2914	2418	2129
80°	2541	2026	1883
85°	1960	1714	1714

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4144 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	0.8
10°-20°	234.6	2.4
20°-30°	340.9	3.4
30°-40°	387.6	3.9
40°-50°	376.2	3.8
50°-60°	317.7	3.2
60°-70°	226.0	2.3
70°-80°	120.7	1.2
80°-90°	31.9	0.3
90°-100°	89.4	0.9
100°-110°	468.7	4.7
110°-120°	1179.7	11.9
120°-130°	1820.0	18.4
130°-140°	1666.1	16.8
140°-150°	1229.7	12.4
150°-160°	783.8	7.9
160°-170°	412.7	4.2
170°-180°	128.5	1.3
0°-30°	659.0	6.7
0°-40°	1046.6	10.6
0°-60°	1740.5	17.6
0°-90°	2119.2	21.4
90°-120°	1737.8	17.6
90°-150°	6453.6	65.2
90°-180°	7779.0	78.6
0°-180°	9897.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	885	885	885	885	885	
5°	878	889	878	877	883	83
15°	834	842	834	829	829	235
25°	751	753	741	731	728	346
35°	644	638	620	602	598	402
45°	518	510	488	465	458	400
55°	388	378	354	331	325	347
65°	258	248	227	207	200	255
75°	133	126	111	99	97	142
85°	30	28	26	26	26	36
90°	0	0	0	0	0	3
95°	47	132	52	29	29	59
105°	239	740	536	220	181	255
115°	454	927	2226	968	734	443
125°	606	936	2913	2937	2715	542
135°	781	1043	2360	3218	3292	603
145°	985	1138	1969	2738	2995	612
155°	1136	1222	1690	2091	2307	524
165°	1258	1293	1358	1587	1695	355
175°	1328	1357	1317	1323	1334	126
180°	1322	1322	1322	1322	1322	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	885.2	885.2	885.2	885.2	885.2
2.5°	880.6	889.5	881.6	882.7	884.7
5°	877.6	888.7	878.2	877.1	883.3
7.5°	870.8	880.9	870.1	867.6	873.1
10°	863.8	874.8	862.5	859.5	862.5
12.5°	851.2	862.8	853.0	847.9	850.5
15°	834.2	841.6	834.2	829.2	829.2
17.5°	813.5	821.2	807.3	803.8	802.4
20°	798.4	805.2	790.2	785.2	783.3
22.5°	778.3	784.6	772.1	763.5	761.2
25°	750.6	753.1	741.2	731.1	728.0
27.5°	722.8	723.5	707.1	694.8	690.8
30°	699.7	700.3	681.5	668.2	665.1
32.5°	676.6	674.7	656.8	641.1	639.0
35°	644.4	638.2	620.5	602.2	598.5
37.5°	605.5	601.8	580.9	562.5	557.0
40°	580.9	574.7	553.2	534.9	529.3
42.5°	556.2	549.1	527.1	506.7	500.7
45°	518.0	510.0	488.5	465.1	458.3
47.5°	479.5	470.8	447.1	424.4	416.9
50°	453.9	444.7	419.9	397.8	389.8
52.5°	427.7	418.0	393.3	370.6	364.1
55°	388.5	378.1	353.9	331.2	325.0
57.5°	349.3	339.0	315.0	293.4	286.0
60°	323.1	313.3	289.8	268.3	260.9
62.5°	296.5	287.1	264.2	243.1	236.3
65°	257.8	248.5	226.9	206.7	200.5
67.5°	219.4	211.5	190.2	171.6	166.7
70°	194.3	186.9	166.6	149.5	144.6
72.5°	170.1	162.2	143.0	128.4	125.0
75°	133.3	125.9	110.6	99.3	97.4
77.5°	99.6	93.6	80.3	73.9	72.9
80°	78.0	72.4	62.2	57.8	57.8
82.5°	57.8	53.3	46.6	44.8	44.8
85°	30.2	27.7	26.4	26.4	26.4
87.5°	9.1	9.1	8.5	8.0	8.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	14.0	32.2	9.3	4.8	9.3
95°	46.6	132.1	52.4	29.1	29.1
97.5°	96.7	295.0	135.2	72.1	65.3
100°	134.0	418.8	209.7	104.6	93.2
102.5°	175.9	542.8	316.9	141.7	121.2
105°	238.9	740.2	536.0	220.5	180.6
107.5°	308.8	875.0	883.2	339.9	273.8
110°	355.4	930.7	1176.9	446.3	343.7

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	397.3	945.3	1568.4	608.6	469.6
115°	454.4	927.2	2225.5	967.6	734.1
117.5°	496.4	882.6	2724.2	1539.4	1187.3
120°	524.3	883.2	2924.7	1971.9	1578.8
122.5°	557.0	888.5	2980.6	2401.4	2040.3
125°	605.9	936.3	2913.0	2937.1	2714.9
127.5°	654.8	971.6	2731.2	3157.3	3087.8
130°	687.5	995.1	2586.7	3232.3	3181.0
132.5°	720.1	1018.6	2484.2	3234.0	3260.2
135°	780.7	1042.7	2359.5	3217.6	3291.7
137.5°	842.4	1072.6	2243.0	3115.7	3269.6
140°	879.7	1096.2	2149.8	3005.4	3227.6
142.5°	921.7	1115.4	2061.2	2903.2	3139.1
145°	984.6	1138.4	1969.2	2738.2	2994.6
147.5°	1033.5	1150.9	1865.5	2571.8	2783.7
150°	1066.2	1151.6	1823.5	2423.7	2685.8
152.5°	1094.1	1175.0	1772.3	2288.1	2527.3
155°	1136.1	1221.5	1689.5	2090.6	2307.1
157.5°	1178.0	1260.0	1591.7	1943.4	2090.4
160°	1206.0	1274.3	1526.4	1872.3	1969.2
162.5°	1229.3	1288.5	1456.5	1751.5	1862.0
165°	1258.4	1292.6	1357.5	1587.1	1695.4
167.5°	1285.2	1302.3	1365.6	1425.9	1513.6
170°	1299.2	1316.3	1351.6	1410.5	1439.0
172.5°	1313.2	1339.4	1333.0	1373.2	1397.1
175°	1328.3	1356.8	1316.7	1322.8	1334.2
177.5°	1331.8	1345.5	1336.5	1336.8	1350.5
180°	1322.5	1322.5	1322.5	1322.5	1322.5

(END OF REPORT)