

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: P1057077

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

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057077
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-030U-085D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9655.2 lumens
Efficiency: N/A
Efficacy: 138.1 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-Direct

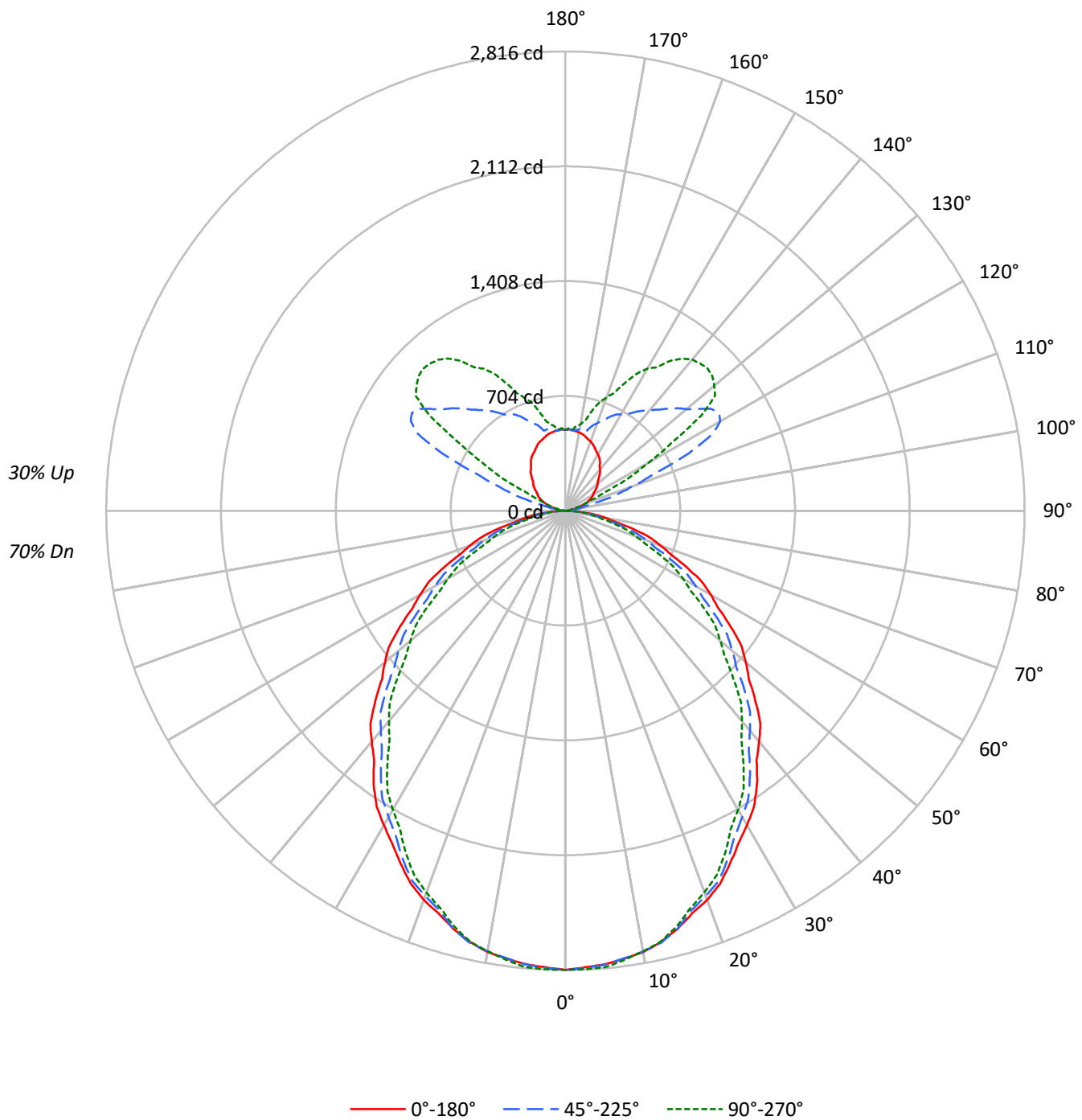
Input Watts (W): 69.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74
1	102	98	94	91	97	93	90	86	83	81	78	74	72	71	66	65	63
2	94	86	80	75	88	82	76	71	73	69	65	66	62	59	59	56	54
3	86	76	68	62	81	72	65	60	65	60	55	58	54	50	52	49	46
4	78	67	59	53	74	64	57	51	58	52	47	52	47	44	47	43	40
5	72	60	52	46	68	57	50	44	52	46	41	47	42	38	42	38	35
6	67	54	46	40	63	52	44	39	47	41	36	43	37	33	38	34	31
7	62	49	41	35	58	47	40	34	43	37	32	39	34	30	35	31	28
8	57	45	37	31	54	43	36	31	39	33	29	36	30	27	32	28	25
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	26	22
10	50	38	30	26	48	36	29	25	33	27	23	30	25	22	28	24	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15931	15931	15931
5°	15855	15867	15958
10°	15786	15763	15763
15°	15544	15544	15450
20°	15292	15135	15003
25°	14906	14719	14457
30°	14541	14162	13823
35°	14158	13633	13150
40°	13648	12998	12436
45°	13185	12433	11665
50°	12709	11758	10913
55°	12191	11106	10199
60°	11631	10432	9391
65°	10977	9665	8540
70°	10222	8767	7609
75°	9268	7694	6776
80°	8080	6451	5995
85°	6231	5452	5452

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 13185 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.7	2.8
10°-20°	746.4	7.7
20°-30°	1084.5	11.2
30°-40°	1233.0	12.8
40°-50°	1197.0	12.4
50°-60°	1010.6	10.5
60°-70°	719.0	7.4
70°-80°	384.2	4.0
80°-90°	101.5	1.1
90°-100°	33.5	0.3
100°-110°	175.5	1.8
110°-120°	441.9	4.6
120°-130°	681.7	7.1
130°-140°	624.0	6.5
140°-150°	460.5	4.8
150°-160°	293.6	3.0
160°-170°	154.6	1.6
170°-180°	48.1	0.5
0°-30°	2096.6	21.7
0°-40°	3329.7	34.5
0°-60°	5537.2	57.3
0°-90°	6741.9	69.8
90°-120°	650.9	6.7
90°-150°	2417.1	25.0
90°-180°	2913.0	30.2
0°-180°	9655.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2816	2816	2816	2816	2816	
5°	2792	2827	2794	2790	2810	265
15°	2654	2678	2654	2638	2638	748
25°	2388	2396	2358	2326	2316	1100
35°	2050	2030	1974	1916	1904	1277
45°	1648	1623	1554	1480	1458	1271
55°	1236	1203	1126	1054	1034	1105
65°	820	791	722	658	638	812
75°	424	400	352	316	310	452
85°	96	88	84	84	84	114
90°	0	0	0	0	0	5
95°	18	50	20	11	11	22
105°	90	277	201	83	68	96
115°	170	347	834	362	275	166
125°	227	351	1091	1100	1017	203
135°	292	390	884	1205	1233	226
145°	369	426	738	1026	1122	229
155°	426	458	633	783	864	196
165°	471	484	508	594	635	133
175°	498	508	493	495	500	47
180°	495	495	495	495	495	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2816.0	2816.0	2816.0	2816.0	2816.0
2.5°	2801.6	2829.8	2804.8	2808.1	2814.4
5°	2792.0	2827.2	2794.0	2790.4	2810.0
7.5°	2770.4	2802.5	2768.0	2760.0	2777.6
10°	2748.0	2783.2	2744.0	2734.2	2744.0
12.5°	2708.0	2744.8	2713.6	2697.4	2705.6
15°	2654.0	2677.5	2654.0	2638.0	2638.0
17.5°	2588.0	2612.6	2568.4	2557.1	2552.8
20°	2540.0	2561.5	2514.0	2497.9	2492.0
22.5°	2476.0	2495.9	2456.4	2429.0	2421.6
25°	2388.0	2395.8	2358.0	2325.8	2316.0
27.5°	2299.6	2301.6	2249.6	2210.5	2197.6
30°	2226.0	2228.0	2168.0	2125.8	2116.0
32.5°	2152.4	2146.5	2089.6	2039.4	2032.8
35°	2050.0	2030.4	1974.0	1915.7	1904.0
37.5°	1926.4	1914.7	1848.0	1789.6	1772.0
40°	1848.0	1828.4	1760.0	1701.6	1684.0
42.5°	1769.6	1746.9	1676.8	1612.0	1592.8
45°	1648.0	1622.6	1554.0	1479.5	1458.0
47.5°	1525.6	1497.8	1422.4	1350.3	1326.4
50°	1444.0	1414.7	1336.0	1265.4	1240.0
52.5°	1360.8	1329.9	1251.2	1179.1	1158.4
55°	1236.0	1202.8	1126.0	1053.6	1034.0
57.5°	1111.2	1078.3	1002.0	933.5	910.0
60°	1028.0	996.7	922.0	853.5	830.0
62.5°	943.2	913.5	840.4	773.5	751.6
65°	820.0	790.7	722.0	657.6	638.0
67.5°	698.0	673.0	605.2	546.0	530.4
70°	618.0	594.5	530.0	475.6	460.0
72.5°	541.2	516.2	454.8	408.6	397.6
75°	424.0	400.5	352.0	315.9	310.0
77.5°	316.8	297.6	255.6	235.1	232.0
80°	248.0	230.4	198.0	184.0	184.0
82.5°	184.0	169.5	148.4	142.4	142.4
85°	96.0	88.2	84.0	84.0	84.0
87.5°	28.8	28.8	27.2	25.6	25.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.2	12.1	3.5	1.8	3.5
95°	17.5	49.5	19.6	10.9	10.9
97.5°	36.2	110.5	50.6	27.0	24.4
100°	50.2	156.9	78.6	39.2	34.9
102.5°	65.9	203.3	118.7	53.1	45.4
105°	89.5	277.2	200.7	82.6	67.6
107.5°	115.6	327.7	330.8	127.3	102.6
110°	133.1	348.6	440.8	167.1	128.7

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	148.8	354.1	587.4	227.9	175.9
115°	170.2	347.3	833.5	362.4	274.9
117.5°	185.9	330.6	1020.3	576.6	444.7
120°	196.4	330.8	1095.4	738.5	591.3
122.5°	208.6	332.8	1116.3	899.4	764.1
125°	226.9	350.7	1091.0	1100.0	1016.8
127.5°	245.3	363.9	1022.9	1182.5	1156.5
130°	257.5	372.7	968.8	1210.6	1191.4
132.5°	269.7	381.5	930.4	1211.3	1221.1
135°	292.4	390.5	883.7	1205.1	1232.9
137.5°	315.5	401.7	840.1	1167.0	1224.6
140°	329.5	410.6	805.2	1125.6	1208.8
142.5°	345.2	417.7	772.0	1087.4	1175.7
145°	368.8	426.4	737.5	1025.6	1121.6
147.5°	387.1	431.0	698.7	963.2	1042.6
150°	399.3	431.3	683.0	907.8	1005.9
152.5°	409.8	440.1	663.8	857.0	946.6
155°	425.5	457.5	632.8	783.0	864.1
157.5°	441.2	471.9	596.1	727.9	782.9
160°	451.7	477.3	571.7	701.3	737.5
162.5°	460.4	482.6	545.5	656.0	697.4
165°	471.3	484.1	508.4	594.4	635.0
167.5°	481.4	487.8	511.5	534.0	566.9
170°	486.6	493.0	506.2	528.3	539.0
172.5°	491.8	501.6	499.3	514.3	523.3
175°	497.5	508.2	493.1	495.4	499.7
177.5°	498.8	503.9	500.6	500.7	505.8
180°	495.3	495.3	495.3	495.3	495.3

(END OF REPORT)