

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: P1057143

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

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057143
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-085U-030D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER 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: 9035.5 lumens
Efficiency: N/A
Efficacy: 123.8 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

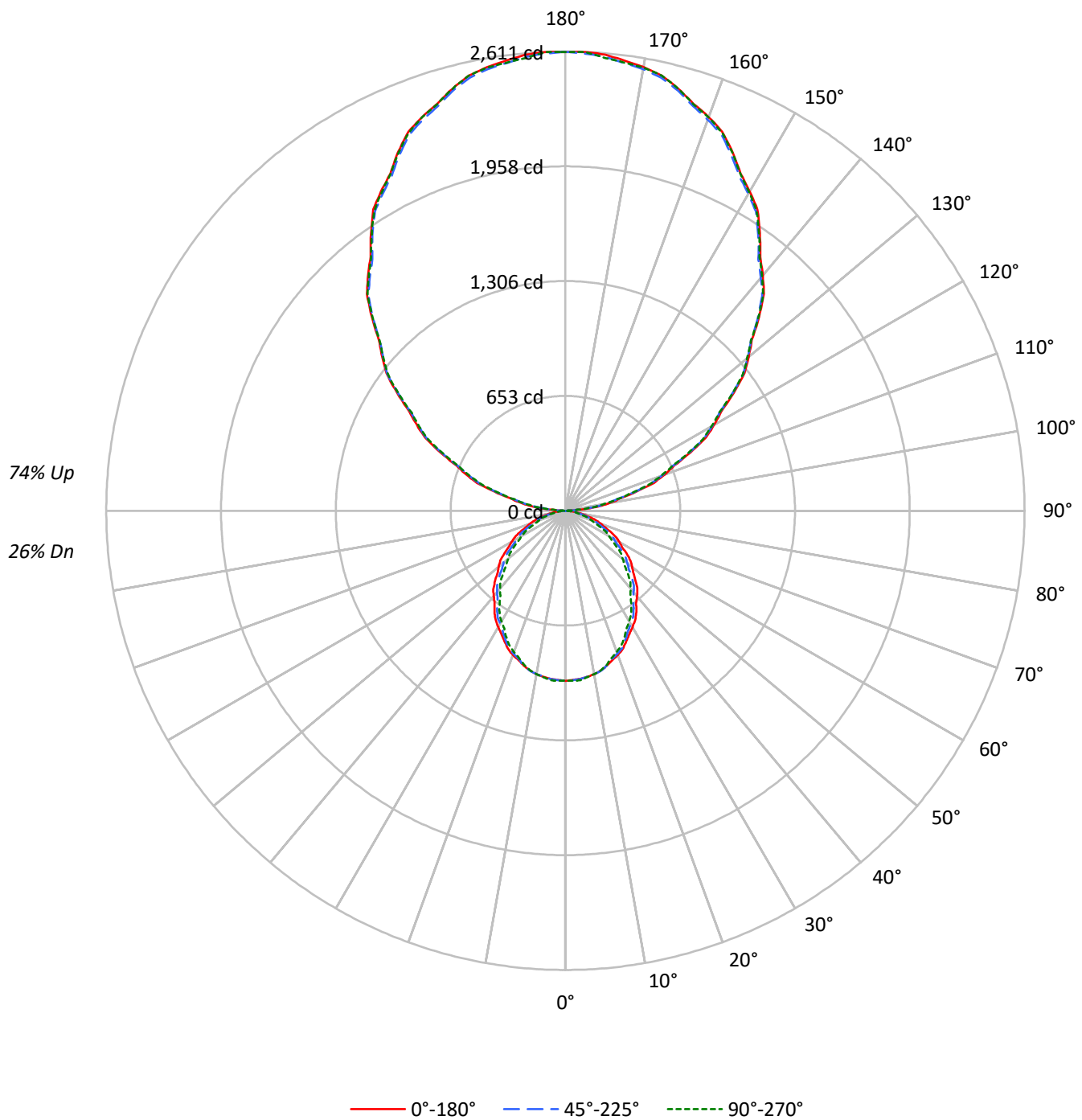
Input Watts (W): 73
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34
1	92	88	85	81	82	79	76	73	61	59	57	45	44	42	30	29	29
2	84	77	71	66	75	69	64	60	54	50	47	39	37	36	26	25	24
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	23	22	21
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	19	18
5	64	53	46	40	57	48	41	36	38	33	29	28	25	22	19	17	16
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14
7	55	43	35	30	49	39	32	27	30	26	22	23	20	17	16	14	12
8	51	39	31	26	45	35	29	24	28	23	20	21	18	15	14	12	11
9	47	35	28	23	42	32	26	21	25	21	17	19	16	14	13	11	10
10	44	32	25	21	39	29	23	19	23	19	16	18	14	12	12	10	9

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5475	5475	5475
5°	5449	5453	5495
10°	5425	5417	5417
15°	5343	5343	5310
20°	5256	5203	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°	91.3	1.0
10°-20°	256.5	2.8
20°-30°	372.2	4.1
30°-40°	422.9	4.7
40°-50°	410.5	4.5
50°-60°	346.6	3.8
60°-70°	246.6	2.7
70°-80°	131.7	1.5
80°-90°	34.8	0.4
90°-100°	110.2	1.2
100°-110°	431.2	4.8
110°-120°	768.6	8.5
120°-130°	1040.1	11.5
130°-140°	1195.7	13.2
140°-150°	1199.9	13.3
150°-160°	1031.9	11.4
160°-170°	698.5	7.7
170°-180°	246.4	2.7
0°-30°	720.0	8.0
0°-40°	1142.9	12.6
0°-60°	1899.9	21.0
0°-90°	2313.1	25.6
90°-120°	1310.0	14.5
90°-150°	4745.7	52.5
90°-180°	6722.0	74.4
0°-180°	9035.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	968	968	968	968	968	
5°	960	972	960	959	968	91
15°	912	920	912	907	907	257
25°	819	822	809	798	794	378
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	5
95°	106	96	86	80	82	121
105°	418	416	402	396	392	446
115°	784	788	770	768	766	777
125°	1168	1182	1158	1154	1156	1044
135°	1556	1572	1546	1534	1550	1200
145°	1928	1944	1912	1902	1920	1205
155°	2250	2270	2232	2222	2246	1035
165°	2484	2506	2472	2459	2484	700
175°	2602	2626	2590	2574	2584	247
180°	2608	2608	2608	2608	2608	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	967.7	967.7	967.7	967.7	967.7
2.5°	962.8	972.4	963.9	965.0	967.2
5°	959.5	971.6	960.2	959.0	967.7
7.5°	952.1	963.1	951.3	948.5	954.6
10°	944.4	956.5	943.0	939.7	943.0
12.5°	930.7	943.3	932.6	927.0	929.9
15°	912.2	920.2	912.2	906.7	906.7
17.5°	889.5	898.0	882.8	878.9	877.1
20°	873.1	880.5	864.2	858.6	854.6
22.5°	851.1	858.0	844.4	833.4	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°	28.8	25.7	16.0	12.8	12.8
95°	106.0	96.2	86.0	80.0	82.0
97.5°	195.6	186.2	173.6	167.6	169.2
100°	258.0	250.2	236.0	230.0	230.0
102.5°	318.8	314.1	300.0	294.0	295.6
105°	418.0	416.0	402.0	395.9	392.0
107.5°	527.6	524.1	508.4	507.9	504.4
110°	598.0	596.0	582.0	580.0	578.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	670.0	672.7	657.2	655.2	653.2
115°	784.0	787.9	770.0	768.0	766.0
117.5°	900.8	906.3	887.2	885.1	881.6
120°	976.0	987.7	964.0	962.0	960.0
122.5°	1052.8	1063.0	1040.8	1037.2	1036.8
125°	1168.0	1181.7	1158.0	1154.0	1156.0
127.5°	1283.2	1297.3	1275.2	1267.3	1271.6
130°	1360.0	1375.6	1352.0	1344.1	1350.0
132.5°	1438.4	1454.0	1430.4	1422.6	1431.6
135°	1556.0	1571.6	1546.0	1534.4	1550.0
137.5°	1670.8	1684.5	1656.4	1648.4	1664.8
140°	1746.0	1759.7	1730.0	1720.4	1740.0
142.5°	1819.6	1834.9	1802.0	1792.5	1813.6
145°	1928.0	1943.6	1912.0	1902.4	1920.0
147.5°	2032.0	2048.0	2016.0	2004.8	2022.8
150°	2096.0	2113.6	2080.0	2070.4	2090.0
152.5°	2158.4	2177.6	2142.4	2131.3	2155.6
155°	2250.0	2269.6	2232.0	2222.5	2246.0
157.5°	2332.4	2350.4	2316.4	2306.9	2327.2
160°	2382.0	2401.6	2366.0	2356.5	2380.0
162.5°	2425.2	2444.8	2412.4	2399.7	2423.2
165°	2484.0	2505.5	2472.0	2458.6	2484.0
167.5°	2533.2	2556.3	2520.8	2508.6	2534.0
170°	2562.0	2583.5	2548.0	2532.6	2558.0
172.5°	2581.2	2602.7	2567.2	2551.6	2569.2
175°	2602.0	2625.5	2590.0	2574.2	2584.0
177.5°	2611.2	2630.0	2601.6	2587.7	2609.6
180°	2608.0	2608.0	2608.0	2608.0	2608.0

(END OF REPORT)