

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: P1057144

Luminaire Tested: CB3-D-085U-030D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057144
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-840-1D-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8915.0 lumens
Efficiency: N/A
Efficacy: 122.1 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-Indirect

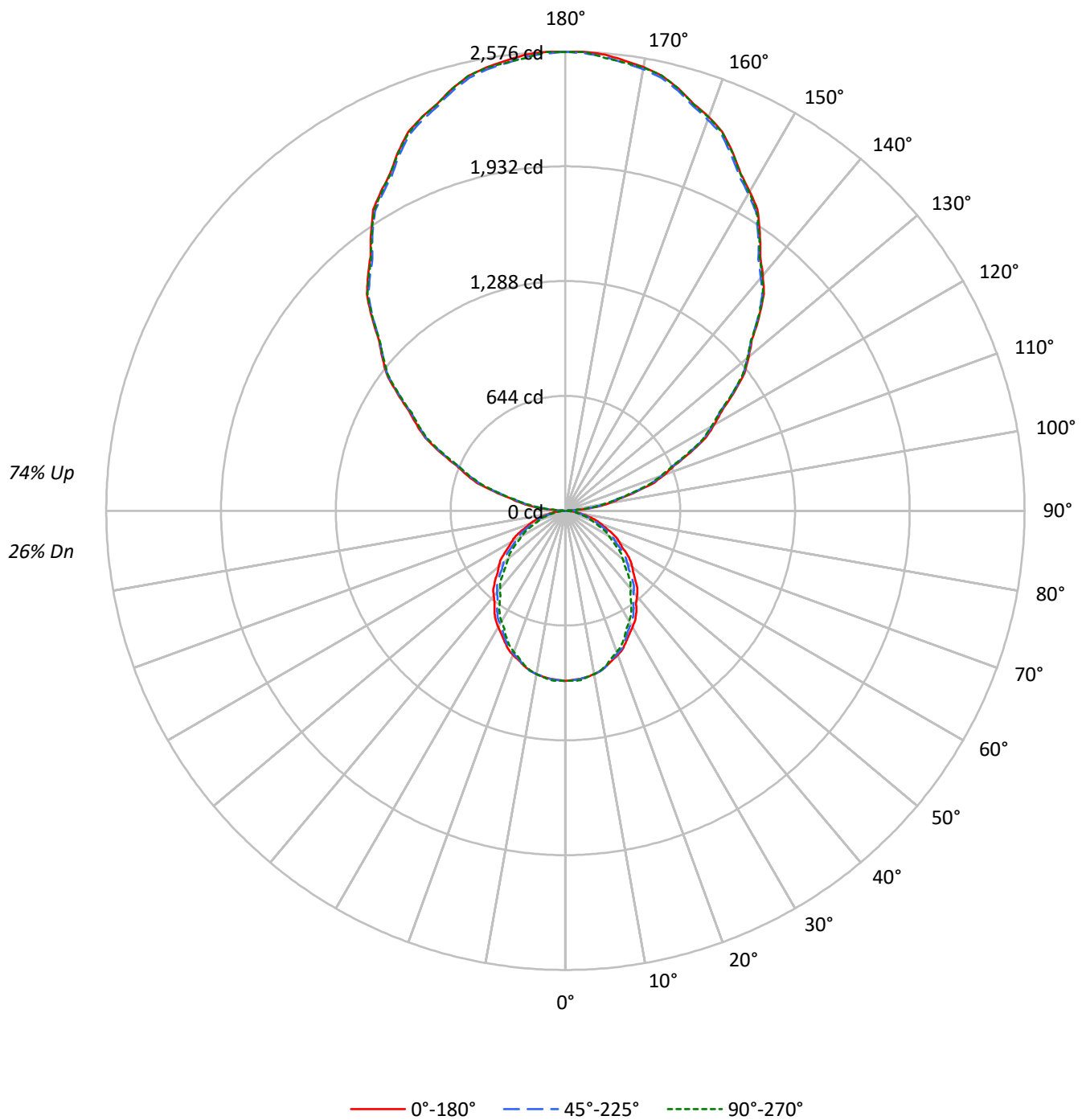
Input Watts (W): 73
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	5402	5402	5402
5°	5376	5380	5422
10°	5353	5345	5345
15°	5271	5271	5240
20°	5186	5133	5076
25°	5044	4981	4892
30°	4920	4792	4677
35°	4791	4613	4450
40°	4618	4398	4208
45°	4461	4207	3947
50°	4300	3979	3693
55°	4125	3758	3451
60°	3935	3530	3177
65°	3715	3270	2890
70°	3459	2966	2575
75°	3137	2603	2293
80°	2733	2183	2030
85°	2110	1843	1843

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4461 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	1.0
10°-20°	253.1	2.8
20°-30°	367.2	4.1
30°-40°	417.2	4.7
40°-50°	405.0	4.5
50°-60°	342.0	3.8
60°-70°	243.3	2.7
70°-80°	130.0	1.5
80°-90°	34.3	0.4
90°-100°	108.7	1.2
100°-110°	425.5	4.8
110°-120°	758.3	8.5
120°-130°	1026.2	11.5
130°-140°	1179.8	13.2
140°-150°	1183.9	13.3
150°-160°	1018.1	11.4
160°-170°	689.2	7.7
170°-180°	243.1	2.7
0°-30°	710.4	8.0
0°-40°	1127.6	12.6
0°-60°	1874.6	21.0
0°-90°	2282.2	25.6
90°-120°	1292.5	14.5
90°-150°	4682.4	52.5
90°-180°	6633.0	74.4
0°-180°	8915.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	955	955	955	955	955	
5°	947	959	947	946	955	90
15°	900	908	900	895	895	254
25°	808	811	798	787	784	373
35°	694	687	668	648	644	432
45°	558	549	526	501	493	430
55°	418	407	381	356	350	374
65°	278	268	244	222	216	275
75°	144	136	119	107	105	153
85°	32	30	28	28	28	38
90°	0	0	0	0	0	5
95°	105	95	85	79	81	119
105°	412	410	397	391	387	440
115°	774	777	760	758	756	767
125°	1152	1166	1143	1139	1141	1030
135°	1535	1551	1525	1514	1529	1184
145°	1902	1918	1886	1877	1894	1189
155°	2220	2239	2202	2193	2216	1021
165°	2451	2472	2439	2426	2451	690
175°	2567	2590	2556	2540	2550	244
180°	2573	2573	2573	2573	2573	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	954.8	954.8	954.8	954.8	954.8
2.5°	950.0	959.5	951.0	952.2	954.3
5°	946.7	958.6	947.4	946.2	954.8
7.5°	939.4	950.2	938.6	935.9	941.8
10°	931.8	943.7	930.5	927.2	930.5
12.5°	918.3	930.7	920.2	914.7	917.5
15°	900.0	908.0	900.0	894.6	894.6
17.5°	877.7	886.0	871.0	867.2	865.4
20°	861.4	868.7	852.6	847.1	843.2
22.5°	839.8	846.5	833.1	822.3	819.4
25°	808.0	810.7	797.9	787.0	783.7
27.5°	778.1	778.8	761.2	748.0	743.6
30°	753.2	753.9	733.6	719.3	716.0
32.5°	728.3	726.3	707.1	690.1	687.8
35°	693.7	687.0	667.9	648.2	644.3
37.5°	651.8	647.9	625.3	605.5	599.6
40°	625.3	618.7	595.5	575.8	569.8
42.5°	598.8	591.1	567.4	545.4	539.0
45°	557.6	549.0	525.8	500.6	493.3
47.5°	516.2	506.8	481.3	456.9	448.8
50°	488.6	478.7	452.1	428.2	419.6
52.5°	460.5	450.0	423.4	399.0	392.0
55°	418.2	407.0	381.0	356.5	349.9
57.5°	376.0	364.9	339.0	315.9	307.9
60°	347.8	337.3	312.0	288.8	280.8
62.5°	319.2	309.1	284.4	261.7	254.3
65°	277.5	267.5	244.3	222.5	215.9
67.5°	236.2	227.7	204.8	184.8	179.5
70°	209.1	201.2	179.3	160.9	155.7
72.5°	183.1	174.7	153.9	138.2	134.5
75°	143.5	135.5	119.1	106.9	104.9
77.5°	107.2	100.7	86.5	79.6	78.5
80°	83.9	78.0	67.0	62.3	62.3
82.5°	62.3	57.4	50.2	48.2	48.2
85°	32.5	29.8	28.4	28.4	28.4
87.5°	9.7	9.7	9.2	8.7	8.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	28.4	25.3	15.8	12.6	12.6
95°	104.6	94.9	84.9	79.0	80.9
97.5°	193.0	183.7	171.3	165.4	166.9
100°	254.6	246.8	232.9	226.9	226.9
102.5°	314.5	309.9	296.0	290.1	291.7
105°	412.4	410.5	396.6	390.6	386.8
107.5°	520.6	517.1	501.6	501.1	497.7
110°	590.0	588.1	574.2	572.2	570.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	661.1	663.8	648.4	646.4	644.5
115°	773.5	777.4	759.7	757.7	755.8
117.5°	888.8	894.2	875.4	873.3	869.8
120°	963.0	974.6	951.1	949.1	947.2
122.5°	1038.8	1048.8	1026.9	1023.4	1023.0
125°	1152.4	1165.9	1142.6	1138.7	1140.6
127.5°	1266.1	1280.0	1258.2	1250.4	1254.6
130°	1341.9	1357.3	1334.0	1326.2	1332.0
132.5°	1419.2	1434.7	1411.3	1403.6	1412.5
135°	1535.3	1550.7	1525.4	1513.9	1529.3
137.5°	1648.5	1662.0	1634.3	1626.4	1642.6
140°	1722.7	1736.2	1706.9	1697.5	1716.8
142.5°	1795.3	1810.4	1778.0	1768.6	1789.4
145°	1902.3	1917.7	1886.5	1877.0	1894.4
147.5°	2004.9	2020.7	1989.1	1978.1	1995.8
150°	2068.1	2085.4	2052.3	2042.8	2062.1
152.5°	2129.6	2148.5	2113.8	2102.9	2126.9
155°	2220.0	2239.3	2202.2	2192.9	2216.1
157.5°	2301.3	2319.1	2285.5	2276.1	2296.2
160°	2350.2	2369.5	2334.5	2325.1	2348.3
162.5°	2392.9	2412.2	2380.2	2367.7	2390.9
165°	2450.9	2472.1	2439.0	2425.8	2450.9
167.5°	2499.4	2522.2	2487.2	2475.1	2500.2
170°	2527.8	2549.1	2514.0	2498.8	2523.9
172.5°	2546.8	2568.0	2533.0	2517.6	2534.9
175°	2567.3	2590.5	2555.5	2539.9	2549.6
177.5°	2576.4	2594.9	2566.9	2553.2	2574.8
180°	2573.2	2573.2	2573.2	2573.2	2573.2

(END OF REPORT)