

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: P1057142

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

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057142
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8281.7 lumens
Efficiency: N/A
Efficacy: 113.4 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

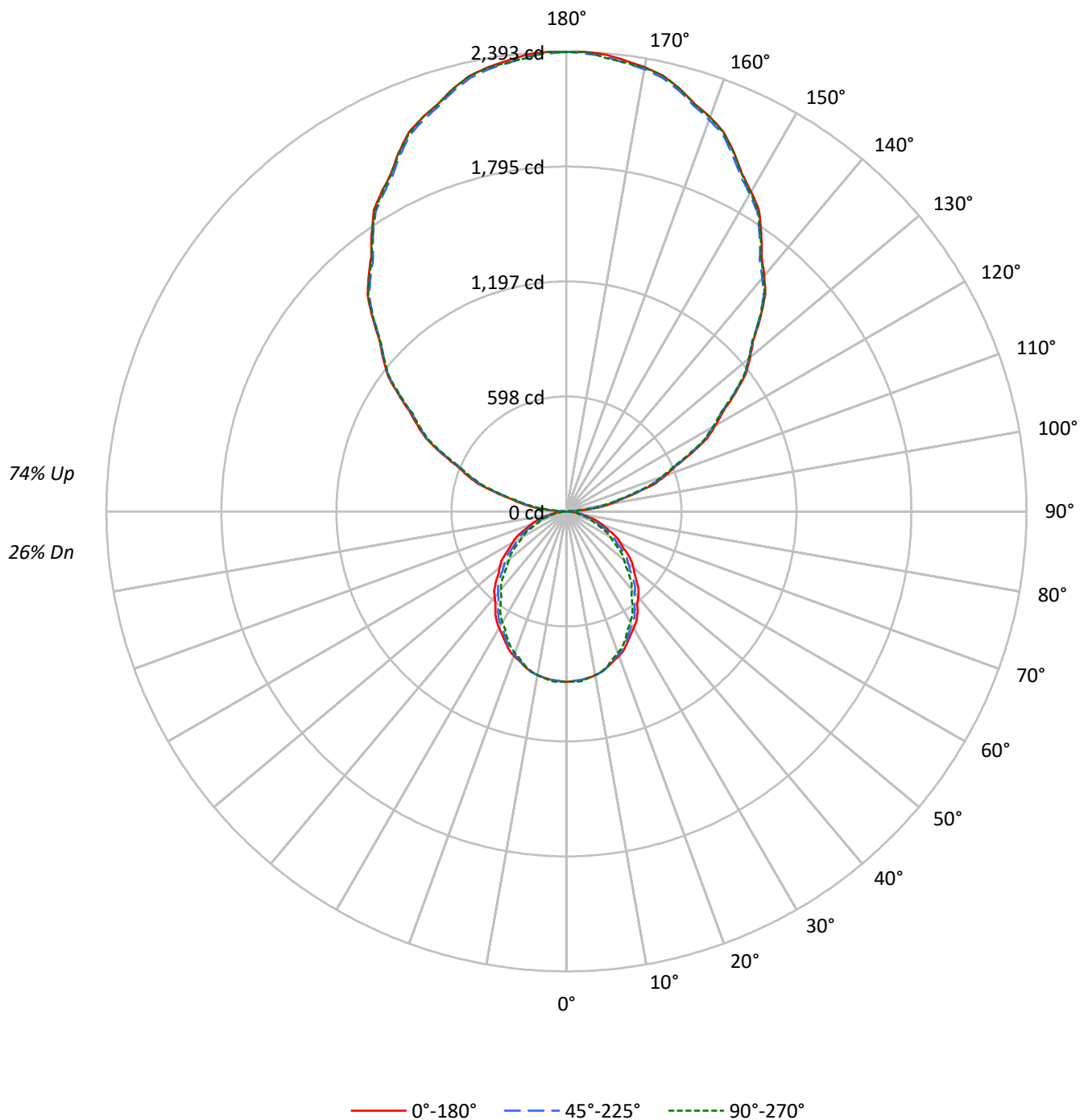
Input Watts (W): 73
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1057142

CATALOG NUMBER: CB3-D-085U-030D-830-1D-UNV-STD-W-8

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°	5018	5018	5018
5°	4994	4998	5037
10°	4972	4966	4966
15°	4897	4897	4867
20°	4817	4769	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

TEST NUMBER: P1057142

CATALOG NUMBER: CB3-D-085U-030D-830-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.7	1.0
10°-20°	235.1	2.8
20°-30°	341.1	4.1
30°-40°	387.6	4.7
40°-50°	376.2	4.5
50°-60°	317.7	3.8
60°-70°	226.0	2.7
70°-80°	120.7	1.5
80°-90°	31.9	0.4
90°-100°	101.0	1.2
100°-110°	395.2	4.8
110°-120°	704.5	8.5
120°-130°	953.3	11.5
130°-140°	1096.0	13.2
140°-150°	1099.8	13.3
150°-160°	945.8	11.4
160°-170°	640.2	7.7
170°-180°	225.8	2.7
0°-30°	659.9	8.0
0°-40°	1047.5	12.6
0°-60°	1741.4	21.0
0°-90°	2120.1	25.6
90°-120°	1200.7	14.5
90°-150°	4349.8	52.5
90°-180°	6162.0	74.4
0°-180°	8281.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	887	887	887	887	887	
5°	879	890	880	879	887	83
15°	836	843	836	831	831	236
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	5
95°	97	88	79	73	75	111
105°	383	381	368	363	359	409
115°	719	722	706	704	702	712
125°	1071	1083	1061	1058	1060	957
135°	1426	1440	1417	1406	1421	1099
145°	1767	1782	1752	1744	1760	1104
155°	2062	2080	2046	2037	2059	949
165°	2277	2296	2266	2254	2277	641
175°	2385	2406	2374	2360	2368	226
180°	2390	2390	2390	2390	2390	

TEST NUMBER: P1057142

CATALOG NUMBER: CB3-D-085U-030D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	887.0	887.0	887.0	887.0	887.0
2.5°	882.5	891.3	883.5	884.5	886.5
5°	879.4	890.5	880.1	879.0	886.9
7.5°	872.7	882.7	871.9	869.4	874.9
10°	865.6	876.7	864.4	861.3	864.4
12.5°	853.0	864.6	854.8	849.7	852.3
15°	836.1	843.4	836.1	831.0	831.0
17.5°	815.3	823.1	809.2	805.6	803.9
20°	800.2	807.0	792.1	786.9	783.3
22.5°	780.1	786.4	774.0	763.9	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°	26.4	23.5	14.7	11.7	11.7
95°	97.2	88.2	78.8	73.4	75.2
97.5°	179.3	170.7	159.1	153.6	155.1
100°	236.5	229.3	216.3	210.8	210.8
102.5°	292.2	287.9	275.0	269.5	270.9
105°	383.1	381.3	368.5	362.9	359.3
107.5°	483.6	480.4	466.0	465.5	462.3
110°	548.1	546.3	533.4	531.6	529.8

TEST NUMBER: P1057142

CATALOG NUMBER: CB3-D-085U-030D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	614.1	616.6	602.4	600.5	598.7
115°	718.6	722.2	705.8	703.9	702.1
117.5°	825.6	830.7	813.2	811.3	808.0
120°	894.6	905.3	883.6	881.7	879.9
122.5°	965.0	974.3	954.0	950.7	950.3
125°	1070.6	1083.1	1061.4	1057.8	1059.6
127.5°	1176.1	1189.0	1168.8	1161.6	1165.5
130°	1246.5	1260.9	1239.2	1232.0	1237.4
132.5°	1318.4	1332.7	1311.1	1303.9	1312.2
135°	1426.2	1440.5	1417.0	1406.3	1420.7
137.5°	1531.4	1543.9	1518.2	1510.8	1525.9
140°	1600.3	1612.9	1585.7	1576.9	1594.8
142.5°	1667.8	1681.8	1651.7	1642.9	1662.3
145°	1767.1	1781.5	1752.5	1743.7	1759.8
147.5°	1862.5	1877.2	1847.8	1837.5	1854.0
150°	1921.1	1937.3	1906.5	1897.7	1915.6
152.5°	1978.3	1995.9	1963.7	1953.5	1975.8
155°	2062.3	2080.2	2045.8	2037.1	2058.6
157.5°	2137.8	2154.3	2123.1	2114.4	2133.0
160°	2183.3	2201.2	2168.6	2159.9	2181.4
162.5°	2222.9	2240.8	2211.1	2199.5	2221.0
165°	2276.8	2296.5	2265.8	2253.5	2276.8
167.5°	2321.9	2343.0	2310.5	2299.3	2322.6
170°	2348.2	2368.0	2335.4	2321.3	2344.6
172.5°	2365.8	2385.6	2353.0	2338.7	2354.8
175°	2384.9	2406.4	2373.9	2359.5	2368.4
177.5°	2393.3	2410.6	2384.5	2371.8	2391.9
180°	2390.4	2390.4	2390.4	2390.4	2390.4

(END OF REPORT)