

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: P1057126

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

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057126
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-030U-085D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8929.3 lumens
Efficiency: N/A
Efficacy: 127.7 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

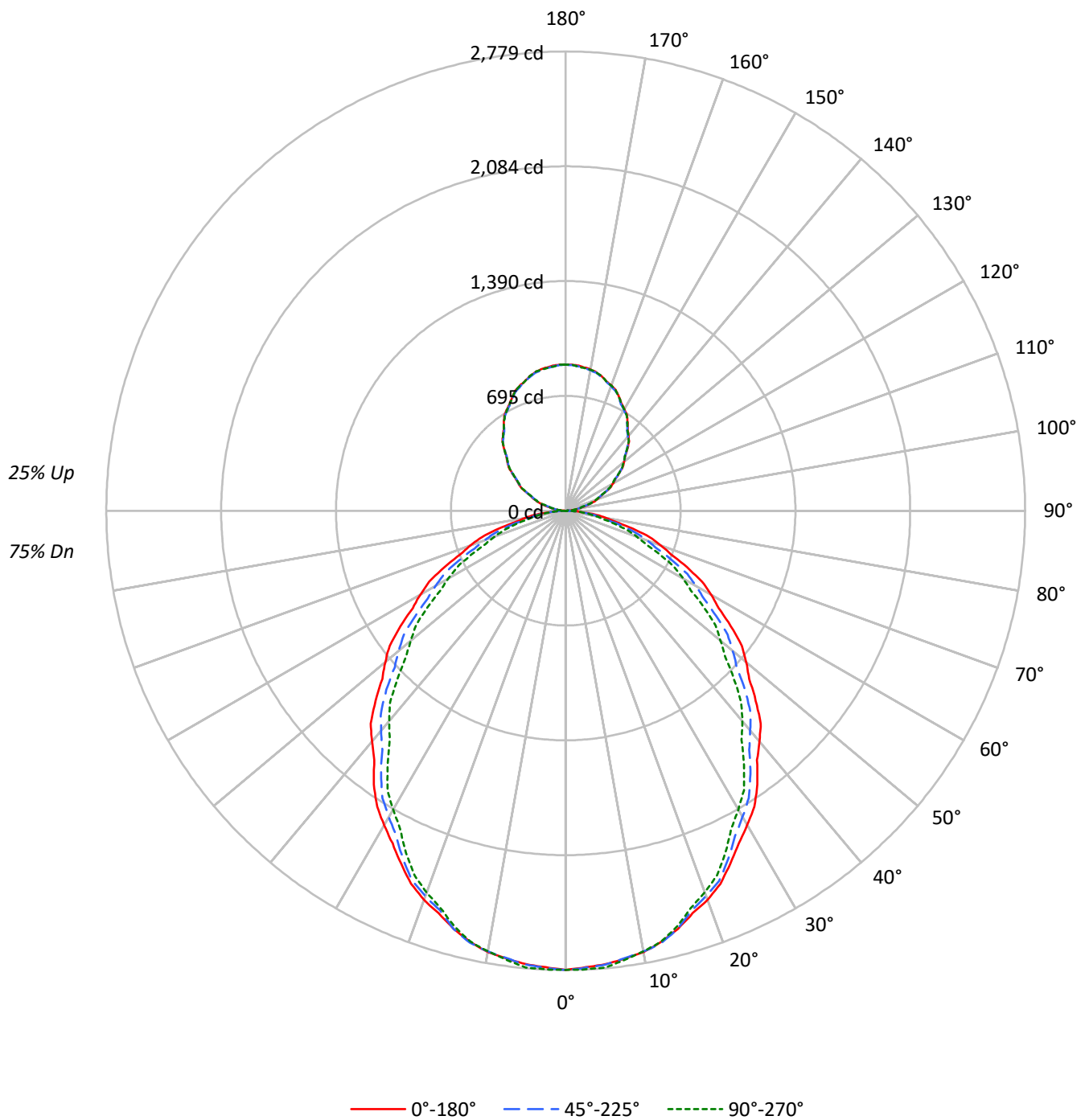
Input Watts (W): 69.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	79	79	79
1	104	99	95	92	98	94	91	88	86	83	80	77	75	74	70	68	67
2	95	87	81	75	90	83	77	73	75	71	67	68	65	62	62	59	57
3	86	77	69	63	82	73	66	61	67	61	57	61	56	53	55	52	49
4	79	68	60	54	75	65	58	52	60	53	49	54	49	45	49	45	42
5	73	61	53	47	69	58	51	45	54	47	42	49	44	40	45	40	37
6	67	55	47	41	64	53	45	39	48	42	37	44	39	35	41	36	33
7	63	50	42	36	59	48	40	35	44	38	33	41	35	31	37	33	29
8	58	46	38	32	55	44	36	31	40	34	30	37	32	28	34	30	26
9	54	42	34	29	52	40	33	28	37	31	27	34	29	25	32	27	24
10	51	38	31	26	48	37	30	25	34	28	24	32	27	23	29	25	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15722	15722	15722
5°	15648	15659	15753
10°	15579	15557	15557
15°	15341	15341	15248
20°	15092	14938	14803
25°	14708	14523	14264
30°	14347	13974	13638
35°	13969	13451	12974
40°	13466	12824	12271
45°	13009	12267	11510
50°	12539	11602	10768
55°	12028	10958	10062
60°	11476	10293	9266
65°	10831	9536	8427
70°	10087	8649	7508
75°	9143	7591	6686
80°	7972	6366	5913
85°	6147	5381	5381

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13009 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.2	2.9
10°-20°	736.7	8.3
20°-30°	1070.1	12.0
30°-40°	1216.6	13.6
40°-50°	1181.0	13.2
50°-60°	997.1	11.2
60°-70°	709.4	7.9
70°-80°	379.0	4.2
80°-90°	100.1	1.1
90°-100°	37.3	0.4
100°-110°	146.1	1.6
110°-120°	260.3	2.9
120°-130°	352.3	3.9
130°-140°	405.0	4.5
140°-150°	406.4	4.6
150°-160°	349.5	3.9
160°-170°	236.6	2.6
170°-180°	83.4	0.9
0°-30°	2069.0	23.2
0°-40°	3285.6	36.8
0°-60°	5463.7	61.2
0°-90°	6652.3	74.5
90°-120°	443.7	5.0
90°-150°	1607.4	18.0
90°-180°	2277.0	25.5
0°-180°	8929.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2779	2779	2779	2779	2779	
5°	2756	2790	2757	2754	2774	262
15°	2619	2642	2619	2604	2604	738
25°	2356	2364	2327	2295	2285	1086
35°	2023	2003	1948	1890	1879	1260
45°	1626	1601	1533	1460	1439	1254
55°	1220	1187	1111	1040	1020	1090
65°	809	780	712	649	630	801
75°	418	395	347	312	306	446
85°	95	87	83	83	83	112
90°	0	0	0	0	0	5
95°	36	33	29	27	28	41
105°	142	141	136	134	133	151
115°	266	267	261	260	260	263
125°	396	400	392	391	392	354
135°	527	532	524	520	525	406
145°	653	658	648	644	650	408
155°	762	769	756	753	761	351
165°	841	849	837	833	841	237
175°	881	889	877	872	875	84
180°	883	883	883	883	883	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2779.1	2779.1	2779.1	2779.1	2779.1
2.5°	2764.9	2792.7	2768.1	2771.4	2777.6
5°	2755.5	2790.2	2757.4	2753.9	2773.9
7.5°	2734.1	2765.8	2731.8	2723.9	2741.2
10°	2712.0	2746.8	2708.1	2698.4	2708.1
12.5°	2672.6	2708.9	2678.1	2662.1	2670.2
15°	2619.3	2642.5	2619.3	2603.5	2603.5
17.5°	2554.2	2578.5	2534.8	2523.7	2519.3
20°	2506.8	2528.0	2481.2	2465.2	2458.8
22.5°	2443.7	2463.4	2424.3	2396.8	2389.3
25°	2356.2	2363.9	2326.6	2294.8	2285.1
27.5°	2268.9	2270.9	2219.6	2181.0	2168.3
30°	2196.3	2198.3	2139.1	2097.4	2087.8
32.5°	2123.7	2117.9	2061.7	2012.3	2005.7
35°	2022.7	2003.4	1947.7	1890.2	1878.6
37.5°	1900.7	1889.1	1823.4	1765.7	1748.4
40°	1823.4	1804.1	1736.5	1678.9	1661.6
42.5°	1746.0	1723.6	1654.4	1590.5	1571.6
45°	1626.0	1600.9	1533.3	1459.8	1438.6
47.5°	1505.3	1477.9	1403.4	1332.3	1308.7
50°	1424.7	1395.8	1318.2	1248.6	1223.5
52.5°	1342.7	1312.2	1234.5	1163.4	1143.0
55°	1219.5	1186.7	1111.0	1039.5	1020.2
57.5°	1096.4	1064.0	988.6	921.0	897.9
60°	1014.3	983.4	909.7	842.1	818.9
62.5°	930.6	901.3	829.2	763.2	741.6
65°	809.1	780.1	712.4	648.8	629.5
67.5°	688.7	664.0	597.1	538.8	523.3
70°	609.8	586.6	522.9	469.3	453.9
72.5°	534.0	509.3	448.7	403.1	392.3
75°	418.3	395.2	347.3	311.7	305.9
77.5°	312.6	293.7	252.2	232.0	228.9
80°	244.7	227.3	195.4	181.5	181.5
82.5°	181.5	167.3	146.4	140.5	140.5
85°	94.7	87.0	82.9	82.9	82.9
87.5°	28.4	28.4	26.8	25.3	25.3
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.8	8.7	5.4	4.3	4.3
95°	35.9	32.6	29.1	27.1	27.8
97.5°	66.3	63.1	58.8	56.8	57.3
100°	87.4	84.7	79.9	77.9	77.9
102.5°	108.0	106.4	101.6	99.6	100.1
105°	141.6	140.9	136.2	134.1	132.8
107.5°	178.7	177.5	172.2	172.0	170.8
110°	202.5	201.9	197.1	196.4	195.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	226.9	227.9	222.6	221.9	221.2
115°	265.5	266.9	260.8	260.1	259.5
117.5°	305.1	307.0	300.5	299.8	298.6
120°	330.6	334.6	326.5	325.8	325.2
122.5°	356.6	360.0	352.5	351.3	351.2
125°	395.6	400.2	392.2	390.9	391.5
127.5°	434.6	439.4	431.9	429.2	430.7
130°	460.6	465.9	457.9	455.3	457.3
132.5°	487.2	492.5	484.5	481.9	484.9
135°	527.0	532.3	523.6	519.7	525.0
137.5°	565.9	570.6	561.0	558.3	563.9
140°	591.4	596.0	586.0	582.7	589.4
142.5°	616.3	621.5	610.4	607.1	614.3
145°	653.0	658.3	647.6	644.4	650.3
147.5°	688.3	693.7	682.8	679.0	685.1
150°	709.9	715.9	704.5	701.3	707.9
152.5°	731.1	737.6	725.7	721.9	730.1
155°	762.1	768.7	756.0	752.8	760.7
157.5°	790.0	796.1	784.6	781.4	788.2
160°	806.8	813.4	801.4	798.2	806.1
162.5°	821.4	828.1	817.1	812.8	820.8
165°	841.4	848.6	837.3	832.7	841.4
167.5°	858.0	865.8	853.8	849.7	858.3
170°	867.8	875.1	863.0	857.8	866.4
172.5°	874.3	881.6	869.5	864.3	870.2
175°	881.3	889.3	877.3	871.9	875.2
177.5°	884.4	890.8	881.2	876.5	883.9
180°	883.4	883.4	883.4	883.4	883.4

(END OF REPORT)