

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1439138

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439138
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-030U-085D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

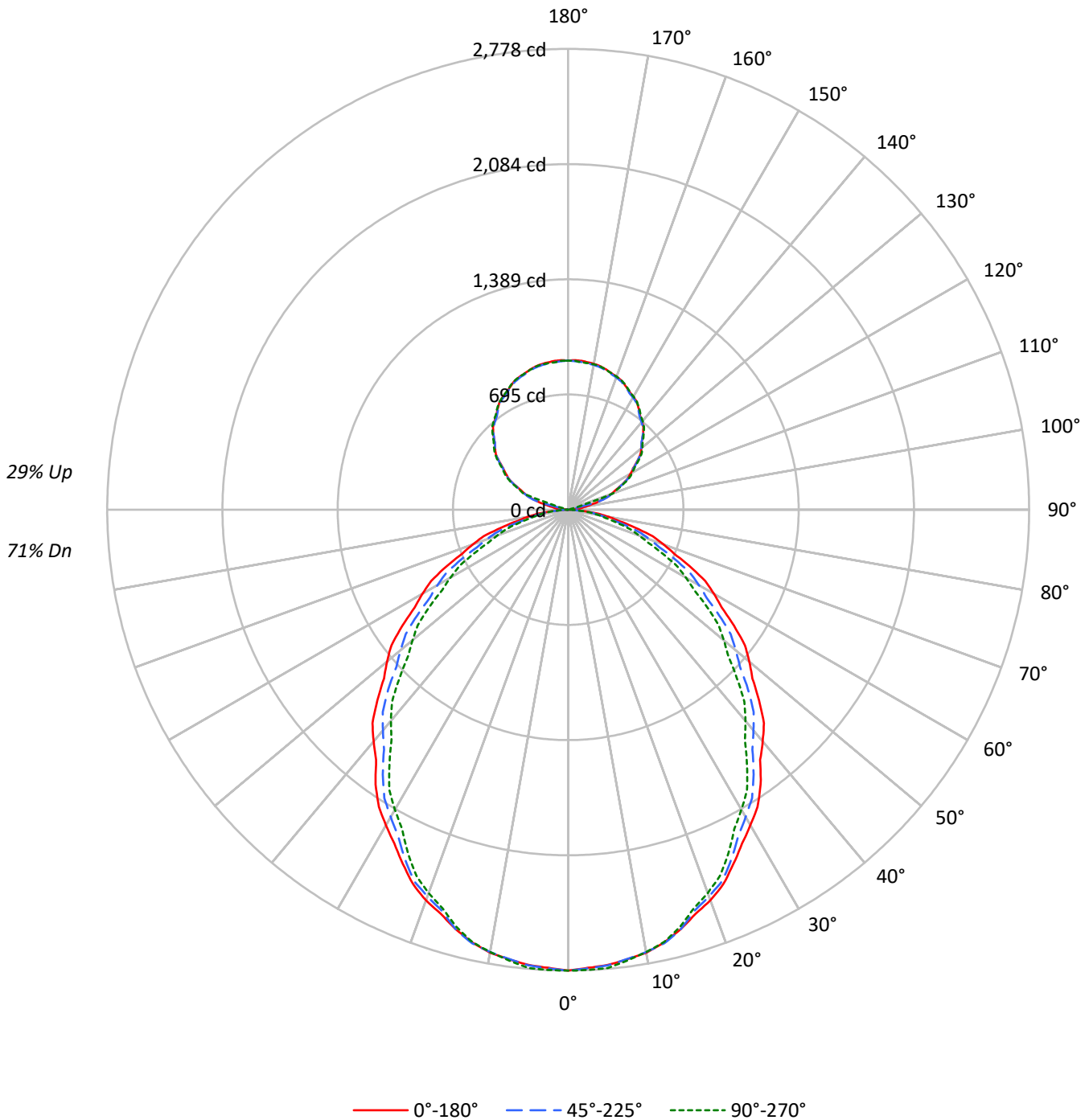
Lumens per Lamp: N/A
Luminaire Lumens: 9305.0 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

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

TEST NUMBER: P1439138

CATALOG NUMBER: CB3-030U-085D-840-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P1439138

CATALOG NUMBER: CB3-030U-085D-840-1D-UNV-STD-W-8

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	71
1	103	98	95	91	97	93	90	87	84	81	79	75	73	72	68	66	65	61
2	94	86	80	75	89	82	76	72	74	70	66	67	63	60	60	57	55	51
3	86	76	69	63	81	72	66	60	66	60	56	59	55	51	53	50	47	44
4	79	68	60	53	74	64	57	52	58	53	48	53	48	44	48	44	41	38
5	72	61	52	46	68	58	50	45	53	46	42	48	43	39	43	39	36	33
6	67	55	46	40	63	52	45	39	48	41	36	43	38	34	39	35	32	29
7	62	49	41	36	59	47	40	34	43	37	32	39	34	30	36	31	28	26
8	58	45	37	32	55	43	36	31	40	33	29	36	31	27	33	29	25	23
9	54	41	34	28	51	40	33	28	36	30	26	33	28	25	31	26	23	21
10	50	38	31	26	48	37	30	25	34	28	24	31	26	22	28	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15719	15719	15719
5°	15644	15656	15745
10°	15576	15553	15553
15°	15337	15337	15244
20°	15088	14933	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



TEST NUMBER: P1439138

CATALOG NUMBER: CB3-030U-085D-840-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.2	2.8
10°-20°	736.5	7.9
20°-30°	1070.0	11.5
30°-40°	1216.6	13.1
40°-50°	1181.0	12.7
50°-60°	997.1	10.7
60°-70°	709.4	7.6
70°-80°	379.0	4.1
80°-90°	100.2	1.1
90°-100°	20.8	0.2
100°-110°	150.3	1.6
110°-120°	357.4	3.8
120°-130°	456.6	4.9
130°-140°	492.5	5.3
140°-150°	464.3	5.0
150°-160°	378.8	4.1
160°-170°	246.8	2.7
170°-180°	85.3	0.9
0°-30°	2068.7	22.2
0°-40°	3285.3	35.3
0°-60°	5463.4	58.7
0°-90°	6652.0	71.5
90°-120°	528.5	5.7
90°-150°	1942.1	20.9
90°-180°	2653.0	28.5
0°-180°	9305.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2778	2778	2778	2778	2778	
5°	2755	2790	2757	2753	2772	261
15°	2619	2642	2619	2603	2603	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	1	0	5
95°	38	7	9	10	10	47
105°	190	193	196	14	15	201
115°	357	360	360	366	368	352
125°	507	511	509	515	518	453
135°	638	641	635	640	644	491
145°	742	746	737	742	746	464
155°	822	828	817	819	824	379
165°	876	880	871	869	874	247
175°	901	906	894	889	892	86
180°	899	899	899	899	899	



TEST NUMBER: P1439138

CATALOG NUMBER: CB3-030U-085D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2778.5	2778.5	2778.5	2778.5	2778.5
2.5°	2764.3	2792.0	2767.4	2770.7	2776.9
5°	2754.8	2789.5	2756.8	2753.2	2772.5
7.5°	2733.5	2765.1	2731.1	2723.2	2740.6
10°	2711.4	2746.1	2707.4	2697.8	2707.4
12.5°	2671.9	2708.2	2677.4	2661.4	2669.5
15°	2618.6	2641.8	2618.6	2602.8	2602.8
17.5°	2553.5	2577.8	2534.2	2523.0	2518.8
20°	2506.1	2527.4	2480.5	2464.6	2458.8
22.5°	2443.0	2462.7	2423.7	2396.6	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	25.4	25.3
90°	0.0	0.0	0.0	0.7	0.0
92.5°	10.3	3.9	3.3	3.9	3.8
95°	37.9	6.8	8.8	9.5	9.5
97.5°	76.4	75.0	10.3	12.3	12.5
100°	105.7	109.0	10.8	12.9	13.5
102.5°	138.2	141.0	20.1	13.4	14.1
105°	190.4	193.0	195.8	14.2	14.9
107.5°	242.2	244.2	246.0	221.5	82.9
110°	276.4	278.4	279.1	285.9	287.2

TEST NUMBER: P1439138

CATALOG NUMBER: CB3-030U-085D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	308.4	310.9	312.2	317.9	320.3
115°	357.0	359.7	360.4	365.9	367.8
117.5°	403.2	406.0	407.3	411.7	414.9
120°	433.5	436.9	437.6	443.1	445.7
122.5°	463.4	467.2	466.9	471.8	475.5
125°	507.4	510.7	509.4	514.9	518.2
127.5°	549.3	551.2	548.4	555.1	557.9
130°	575.8	577.8	574.5	580.6	583.9
132.5°	600.2	603.2	599.4	605.0	608.3
135°	637.5	640.8	635.4	640.3	644.2
137.5°	670.6	674.6	668.2	673.8	677.3
140°	692.3	696.3	688.3	694.4	698.4
142.5°	712.4	717.4	707.8	713.4	717.9
145°	741.8	746.4	737.0	741.9	745.8
147.5°	769.7	773.7	764.7	768.1	770.9
150°	786.5	790.5	780.4	783.9	787.2
152.5°	800.0	805.6	795.6	798.0	802.9
155°	821.7	828.3	817.0	819.1	824.4
157.5°	841.6	847.6	836.2	838.1	842.7
160°	853.5	859.5	848.1	848.9	853.5
162.5°	862.8	868.2	858.4	857.1	862.8
165°	875.9	880.5	871.2	868.6	874.5
167.5°	886.9	892.2	880.6	878.5	885.3
170°	892.8	898.1	886.1	882.8	890.1
172.5°	896.6	901.4	889.9	885.5	891.2
175°	901.0	905.6	893.5	888.8	891.5
177.5°	902.2	905.9	896.2	892.0	898.4
180°	898.9	898.9	898.9	898.9	898.9



TEST NUMBER: P1439138
 CATALOG NUMBER: CB3-030U-085D-840-1D-UNV-STD-W-8

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	18.51	19.59	19.26	20.36	21.29	17.43	18.51	18.18	19.28	20.21
	3H	20.19	21.16	20.96	21.94	22.90	18.86	19.83	19.63	20.61	21.57
	4H	20.83	21.74	21.61	22.53	23.50	19.39	20.30	20.17	21.09	22.06
	6H	21.23	22.07	22.02	22.87	23.85	19.72	20.56	20.51	21.36	22.34
	8H	21.37	22.17	22.18	22.99	23.98	19.85	20.65	20.65	21.46	22.45
	12H	21.45	22.21	22.26	23.02	24.03	19.93	20.69	20.74	21.50	22.51
4H	2H	18.94	19.86	19.73	20.64	21.62	18.09	19.00	18.87	19.79	20.76
	3H	20.85	21.61	21.65	22.44	23.42	19.72	20.48	20.52	21.31	22.29
	4H	21.61	22.30	22.42	23.12	24.14	20.34	21.03	21.15	21.85	22.87
	6H	22.12	22.72	22.95	23.57	24.59	20.76	21.36	21.59	22.21	23.23
	8H	22.32	22.88	23.15	23.72	24.75	20.94	21.50	21.77	22.34	23.37
	12H	22.43	22.93	23.28	23.79	24.83	21.05	21.56	21.91	22.42	23.46
8H	4H	21.76	22.31	22.59	23.16	24.19	20.62	21.17	21.45	22.02	23.05
	6H	22.38	22.85	23.24	23.73	24.76	21.15	21.62	22.02	22.50	23.53
	8H	22.66	23.07	23.53	23.95	25.00	21.41	21.82	22.28	22.70	23.75
	12H	22.84	23.20	23.71	24.07	25.17	21.59	21.96	22.47	22.83	23.93
12H	4H	21.74	22.24	22.59	23.10	24.14	20.63	21.13	21.48	21.99	23.03
	6H	22.40	22.81	23.27	23.69	24.74	21.21	21.62	22.08	22.50	23.55
	8H	22.71	23.07	23.59	23.94	25.05	21.50	21.87	22.38	22.74	23.84