

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: P1439568

Luminaire Tested: CB3-D-085U-030D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439568
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-085U-030D-940-1D-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, 90 CRI LEDS
Ballast/Driver: -

Summary

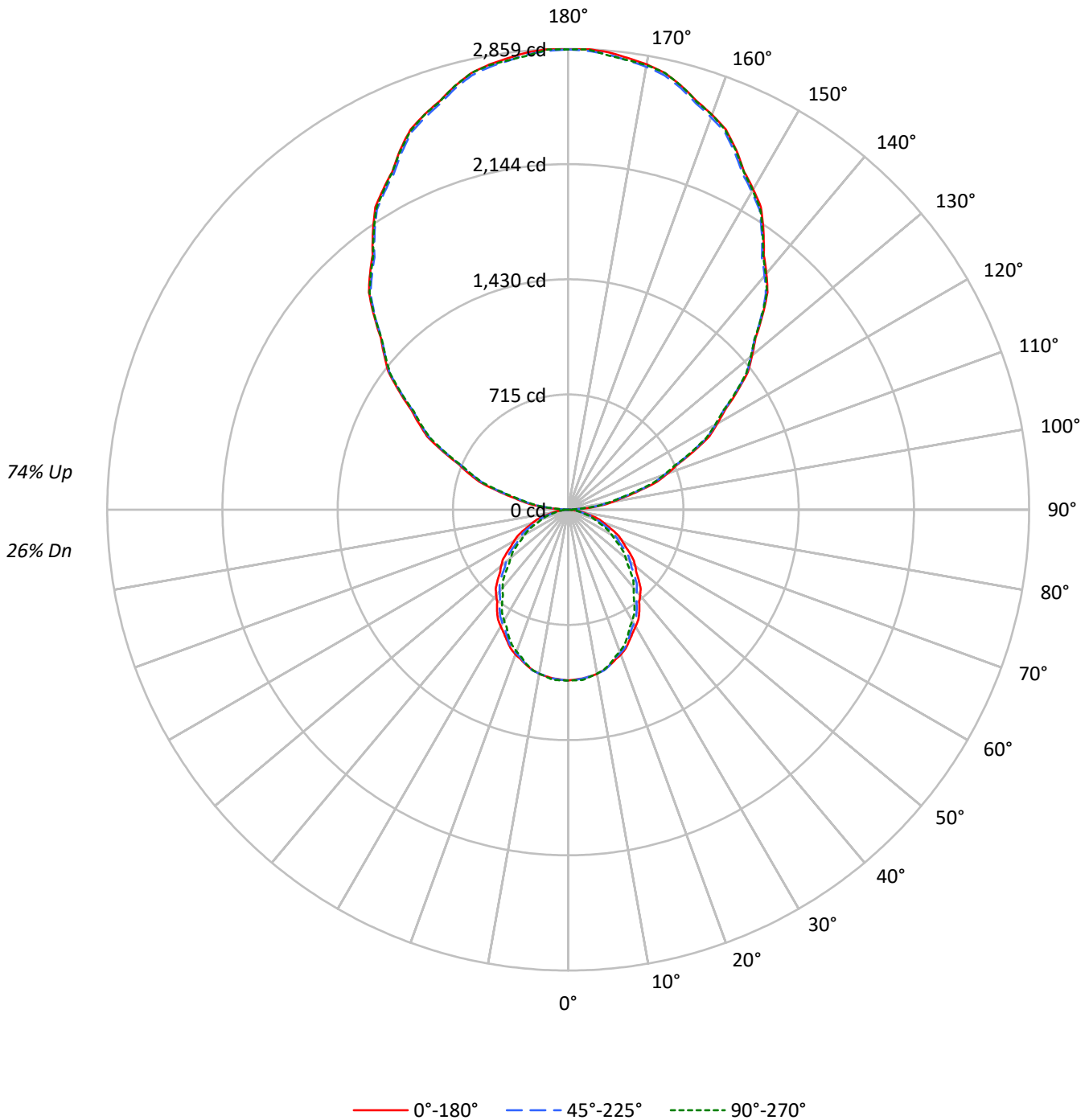
Lumens per Lamp: N/A
Luminaire Lumens: 9894.4 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

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: P1439568

CATALOG NUMBER: CB3-D-085U-030D-940-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	50	30	10	50	30	10	0														
RCR																																						
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26																				
1	92	88	85	81	82	79	76	73	61	59	57	45	44	42	30	29	29	22																				
2	84	77	71	66	75	69	64	60	54	50	47	39	37	36	26	25	24	18																				
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	23	22	21	16																				
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	19	18	14																				
5	64	53	46	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12																				
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14	10																				
7	55	43	35	30	49	39	32	27	30	26	22	23	20	17	16	14	12	9																				
8	51	39	31	26	45	35	29	24	28	23	20	21	18	15	14	12	11	8																				
9	47	35	28	23	42	32	26	21	25	21	17	19	16	14	13	11	10	8																				
10	44	32	25	21	39	29	23	19	23	19	16	18	14	12	12	10	9	7																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5995	5995	5995
5°	5967	5971	6018
10°	5941	5932	5932
15°	5850	5850	5815
20°	5756	5697	5634
25°	5598	5527	5429
30°	5461	5319	5191
35°	5317	5120	4938
40°	5125	4882	4670
45°	4952	4669	4380
50°	4773	4416	4099
55°	4578	4171	3830
60°	4369	3918	3527
65°	4122	3629	3207
70°	3839	3292	2857
75°	3480	2890	2544
80°	3033	2424	2251
85°	2343	2045	2045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4952 cd/sqm



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CATALOG NUMBER: CB3-D-085U-030D-940-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.0	1.0
10°-20°	280.9	2.8
20°-30°	407.5	4.1
30°-40°	463.0	4.7
40°-50°	449.5	4.5
50°-60°	379.5	3.8
60°-70°	270.0	2.7
70°-80°	144.3	1.5
80°-90°	38.1	0.4
90°-100°	120.7	1.2
100°-110°	472.2	4.8
110°-120°	841.7	8.5
120°-130°	1139.0	11.5
130°-140°	1309.4	13.2
140°-150°	1314.0	13.3
150°-160°	1130.0	11.4
160°-170°	764.9	7.7
170°-180°	269.8	2.7
0°-30°	788.4	8.0
0°-40°	1251.5	12.6
0°-60°	2080.5	21.0
0°-90°	2532.9	25.6
90°-120°	1434.5	14.5
90°-150°	5196.9	52.5
90°-180°	7362.0	74.4
0°-180°	9894.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1060	1060	1060	1060	1060	
5°	1051	1064	1052	1050	1060	100
15°	999	1008	999	993	993	281
25°	897	900	886	873	870	414
35°	770	762	741	719	715	480
45°	619	609	584	556	548	477
55°	464	452	423	396	388	415
65°	308	297	271	247	240	305
75°	159	150	132	119	116	170
85°	36	33	32	32	32	43
90°	0	0	0	0	0	6
95°	116	105	94	88	90	132
105°	458	456	440	434	429	489
115°	858	863	843	841	839	851
125°	1279	1294	1268	1264	1266	1144
135°	1704	1721	1693	1680	1697	1314
145°	2111	2128	2094	2083	2102	1319
155°	2464	2485	2444	2434	2460	1133
165°	2720	2744	2707	2692	2720	766
175°	2849	2875	2836	2819	2830	270
180°	2856	2856	2856	2856	2856	



TEST NUMBER: P1439568

CATALOG NUMBER: CB3-D-085U-030D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1059.7	1059.7	1059.7	1059.7	1059.7
2.5°	1054.3	1064.9	1055.5	1056.8	1059.1
5°	1050.7	1063.9	1051.5	1050.2	1059.7
7.5°	1042.6	1054.6	1041.7	1038.7	1045.3
10°	1034.2	1047.4	1032.7	1029.0	1032.7
12.5°	1019.2	1033.0	1021.3	1015.2	1018.3
15°	998.9	1007.7	998.9	992.9	992.9
17.5°	974.1	983.3	966.7	962.5	960.4
20°	956.1	964.1	946.3	940.2	935.9
22.5°	932.0	939.5	924.7	912.6	909.4
25°	896.8	899.7	885.5	873.4	869.8
27.5°	863.6	864.3	844.8	830.1	825.3
30°	836.0	836.7	814.2	798.3	794.6
32.5°	808.3	806.1	784.7	765.9	763.4
35°	769.9	762.5	741.3	719.4	715.0
37.5°	723.4	719.0	694.0	672.1	665.5
40°	694.0	686.7	661.0	639.0	632.4
42.5°	664.6	656.0	629.7	605.4	598.2
45°	618.9	609.3	583.6	555.6	547.5
47.5°	572.9	562.5	534.2	507.1	498.1
50°	542.3	531.3	501.7	475.2	465.7
52.5°	511.0	499.4	469.9	442.8	435.0
55°	464.2	451.7	422.9	395.7	388.3
57.5°	417.3	405.0	376.3	350.6	341.7
60°	386.1	374.3	346.3	320.5	311.7
62.5°	354.2	343.0	315.6	290.5	282.3
65°	307.9	296.9	271.1	246.9	239.6
67.5°	262.1	252.7	227.3	205.1	199.2
70°	232.1	223.3	199.0	178.6	172.7
72.5°	203.2	193.8	170.8	153.4	149.3
75°	159.2	150.4	132.2	118.6	116.4
77.5°	119.0	111.8	96.0	88.3	87.1
80°	93.1	86.5	74.4	69.1	69.1
82.5°	69.1	63.7	55.7	53.5	53.5
85°	36.1	33.1	31.5	31.5	31.5
87.5°	10.8	10.8	10.2	9.6	9.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	31.5	28.1	17.5	14.0	14.0
95°	116.1	105.4	94.2	87.7	89.8
97.5°	214.2	203.9	190.1	183.6	185.3
100°	282.5	274.0	258.4	251.9	251.9
102.5°	349.1	344.0	328.5	322.0	323.7
105°	457.7	455.6	440.2	433.5	429.3
107.5°	577.8	573.9	556.7	556.2	552.3
110°	654.8	652.7	637.3	635.1	632.9



TEST NUMBER: P1439568

CATALOG NUMBER: CB3-D-085U-030D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	733.7	736.7	719.7	717.4	715.3
115°	858.5	862.8	843.2	841.0	838.8
117.5°	986.4	992.4	971.5	969.3	965.4
120°	1068.8	1081.6	1055.6	1053.4	1051.3
122.5°	1152.9	1164.0	1139.7	1135.8	1135.4
125°	1279.0	1294.0	1268.1	1263.7	1265.9
127.5°	1405.2	1420.6	1396.4	1387.8	1392.5
130°	1489.3	1506.4	1480.5	1471.9	1478.3
132.5°	1575.1	1592.3	1566.4	1557.8	1567.7
135°	1703.9	1721.0	1693.0	1680.2	1697.3
137.5°	1829.6	1844.6	1813.9	1805.1	1823.1
140°	1912.0	1927.0	1894.5	1884.0	1905.4
142.5°	1992.6	2009.3	1973.3	1962.9	1986.0
145°	2111.3	2128.4	2093.8	2083.2	2102.5
147.5°	2225.2	2242.7	2207.6	2195.4	2215.1
150°	2295.2	2314.5	2277.7	2267.3	2288.7
152.5°	2363.6	2384.6	2346.1	2334.0	2360.5
155°	2463.9	2485.3	2444.2	2433.8	2459.5
157.5°	2554.1	2573.8	2536.6	2526.1	2548.4
160°	2608.4	2629.8	2590.9	2580.5	2606.2
162.5°	2655.7	2677.2	2641.7	2627.8	2653.5
165°	2720.1	2743.7	2707.0	2692.3	2720.1
167.5°	2774.0	2799.3	2760.4	2747.0	2774.9
170°	2805.5	2829.1	2790.2	2773.3	2801.2
172.5°	2826.6	2850.1	2811.2	2794.2	2813.4
175°	2849.3	2875.0	2836.2	2818.9	2829.6
177.5°	2859.4	2880.0	2848.9	2833.7	2857.7
180°	2855.9	2855.9	2855.9	2855.9	2855.9



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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	10.50	11.18	11.65	12.31	13.89	9.43	10.10	10.57	11.23	12.81
	3H	12.16	12.76	13.31	13.90	15.50	10.83	11.43	11.98	12.57	14.17
	4H	12.78	13.35	13.94	14.49	16.09	11.33	11.91	12.49	13.05	14.65
	6H	13.15	13.68	14.32	14.82	16.44	11.64	12.17	12.81	13.31	14.92
	8H	13.28	13.79	14.46	14.94	16.55	11.76	12.26	12.93	13.42	15.02
	12H	13.35	13.82	14.52	14.97	16.60	11.83	12.30	13.00	13.45	15.08
4H	2H	10.89	11.46	12.06	12.60	14.20	10.03	10.60	11.20	11.74	13.35
	3H	12.76	13.24	13.93	14.40	16.02	11.63	12.11	12.80	13.27	14.89
	4H	13.50	13.94	14.68	15.09	16.73	12.23	12.67	13.40	13.82	15.46
	6H	13.99	14.37	15.17	15.55	17.17	12.63	13.01	13.81	14.18	15.81
	8H	14.18	14.53	15.36	15.70	17.34	12.80	13.15	13.98	14.32	15.96
	12H	14.27	14.59	15.46	15.77	17.41	12.89	13.21	14.09	14.39	16.04
8H	4H	13.62	13.97	14.79	15.13	16.77	12.48	12.83	13.66	14.00	15.64
	6H	14.23	14.52	15.43	15.73	17.36	13.00	13.29	14.20	14.50	16.13
	8H	14.50	14.75	15.70	15.94	17.60	13.25	13.50	14.45	14.69	16.35
	12H	14.66	14.88	15.86	16.06	17.75	13.42	13.64	14.62	14.82	16.51
12H	4H	13.58	13.90	14.77	15.08	16.72	12.47	12.79	13.66	13.97	15.61
	6H	14.24	14.49	15.45	15.68	17.34	13.05	13.31	14.26	14.49	16.15
	8H	14.53	14.75	15.74	15.94	17.63	13.33	13.55	14.53	14.73	16.42