

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: P1439190

Luminaire Tested: CB3-055U-085D-830-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439190
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: CB3-055U-085D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

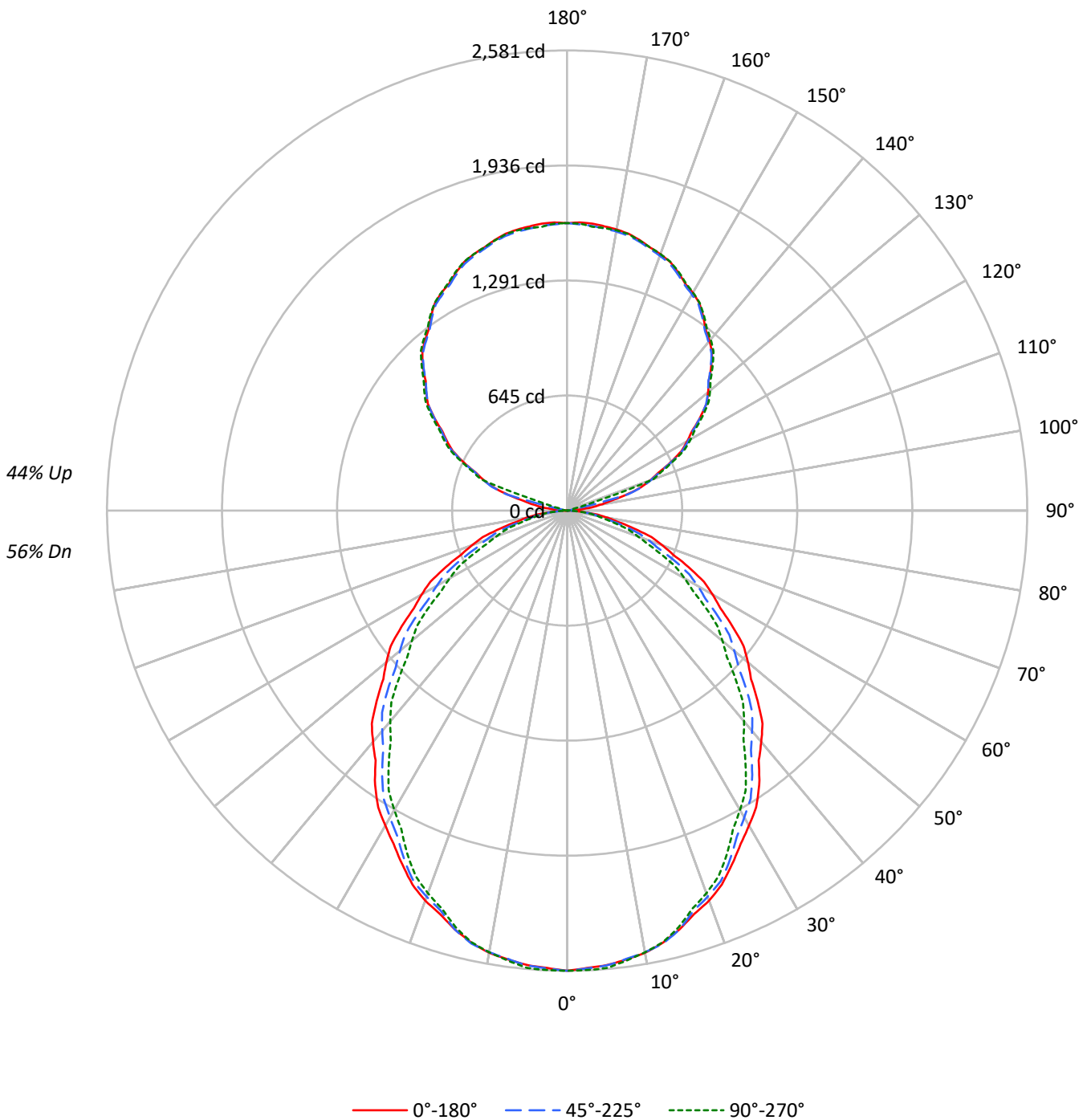
Lumens per Lamp: N/A
Luminaire Lumens: 10937.2 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 88.5
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									
RC	80									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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56																			
1	99	95	91	88	92	89	85	82	77	74	72	65	64	62	55	54	53	48																			
2	91	83	77	72	84	78	72	68	67	63	60	58	55	52	49	47	45	41																			
3	83	73	66	60	77	69	62	57	60	55	51	51	47	44	43	41	38	35																			
4	76	65	57	51	70	61	54	49	53	48	43	46	42	38	39	36	33	30																			
5	70	58	50	44	65	55	47	42	48	42	37	41	37	33	35	32	29	26																			
6	64	52	44	38	60	49	42	36	43	37	33	37	33	29	32	28	26	23																			
7	60	47	39	34	55	44	37	32	39	33	29	34	29	26	29	26	23	20																			
8	55	43	35	30	51	41	33	29	36	30	26	31	27	23	27	23	21	18																			
9	52	39	32	27	48	37	30	26	33	27	23	29	24	21	25	21	19	17																			
10	48	36	29	24	45	34	28	23	30	25	21	27	22	19	23	20	17	15																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14602	14602	14602
5°	14533	14543	14627
10°	14469	14448	14448
15°	14247	14247	14161
20°	14016	13873	13751
25°	13663	13491	13251
30°	13328	12981	12670
35°	12977	12496	12052
40°	12509	11914	11399
45°	12085	11395	10692
50°	11648	10777	10003
55°	11174	10180	9347
60°	10661	9562	8608
65°	10061	8859	7828
70°	9369	8036	6974
75°	8494	7051	6210
80°	7405	5913	5493
85°	5712	4998	4998

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12085 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.5	2.2
10°-20°	684.2	6.3
20°-30°	994.0	9.1
30°-40°	1130.1	10.3
40°-50°	1097.1	10.0
50°-60°	926.3	8.5
60°-70°	659.0	6.0
70°-80°	352.1	3.2
80°-90°	93.1	0.9
90°-100°	37.2	0.3
100°-110°	269.6	2.5
110°-120°	641.0	5.9
120°-130°	818.9	7.5
130°-140°	883.3	8.1
140°-150°	832.7	7.6
150°-160°	679.3	6.2
160°-170°	442.6	4.0
170°-180°	153.0	1.4
0°-30°	1921.7	17.6
0°-40°	3051.9	27.9
0°-60°	5075.2	46.4
0°-90°	6179.5	56.5
90°-120°	947.8	8.7
90°-150°	3482.8	31.8
90°-180°	4758.0	43.5
0°-180°	10937.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2581	2581	2581	2581	2581	
5°	2559	2591	2561	2558	2576	243
15°	2433	2454	2433	2418	2418	685
25°	2189	2196	2161	2132	2123	1008
35°	1879	1861	1809	1756	1745	1171
45°	1510	1487	1424	1356	1336	1165
55°	1133	1102	1032	966	948	1013
65°	752	725	662	603	585	744
75°	389	367	323	290	284	414
85°	88	81	77	77	77	104
90°	0	0	0	1	0	6
95°	68	12	16	17	17	84
105°	341	346	351	26	27	360
115°	640	645	646	656	660	632
125°	910	916	914	923	929	812
135°	1143	1149	1140	1148	1155	880
145°	1330	1339	1322	1330	1338	832
155°	1474	1486	1465	1469	1478	680
165°	1571	1579	1562	1558	1568	444
175°	1616	1624	1602	1594	1599	154
180°	1612	1612	1612	1612	1612	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2581.1	2581.1	2581.1	2581.1	2581.1
2.5°	2567.9	2593.7	2570.8	2573.9	2579.6
5°	2559.1	2591.3	2560.9	2557.6	2575.6
7.5°	2539.3	2568.7	2537.1	2529.7	2545.9
10°	2518.7	2551.0	2515.1	2506.1	2515.1
12.5°	2482.1	2515.8	2487.2	2472.3	2479.9
15°	2432.6	2454.1	2432.6	2417.9	2417.9
17.5°	2372.1	2394.7	2354.1	2343.8	2339.8
20°	2328.1	2347.8	2304.3	2289.5	2284.1
22.5°	2269.4	2287.7	2251.5	2226.4	2219.6
25°	2188.8	2195.9	2161.3	2131.7	2122.8
27.5°	2107.7	2109.5	2061.9	2026.1	2014.3
30°	2040.3	2042.1	1987.1	1948.4	1939.5
32.5°	1972.8	1967.4	1915.3	1869.3	1863.2
35°	1879.0	1861.0	1809.3	1755.9	1745.1
37.5°	1765.7	1754.9	1693.8	1640.3	1624.2
40°	1693.8	1675.9	1613.2	1559.6	1543.5
42.5°	1622.0	1601.2	1536.9	1477.5	1459.9
45°	1510.5	1487.2	1424.3	1356.1	1336.4
47.5°	1398.3	1372.9	1303.7	1237.6	1215.7
50°	1323.5	1296.6	1224.5	1159.8	1136.5
52.5°	1247.3	1218.9	1146.8	1080.8	1061.8
55°	1132.9	1102.4	1032.1	965.7	947.7
57.5°	1018.5	988.4	918.4	855.6	834.1
60°	942.2	913.6	845.1	782.3	760.8
62.5°	864.5	837.3	770.3	709.0	688.9
65°	751.6	724.7	661.8	602.7	584.8
67.5°	639.8	616.8	554.7	500.5	486.1
70°	566.4	544.9	485.8	436.0	421.6
72.5°	496.0	473.1	416.9	374.5	364.4
75°	388.6	367.1	322.6	289.5	284.1
77.5°	290.4	272.8	234.3	215.5	212.6
80°	227.3	211.2	181.5	168.6	168.6
82.5°	168.6	155.4	136.0	130.5	130.5
85°	88.0	80.8	77.0	77.0	77.0
87.5°	26.4	26.4	24.9	23.7	23.5
90°	0.0	0.0	0.0	1.2	0.0
92.5°	18.5	7.1	5.8	7.0	6.8
95°	68.0	12.2	15.8	17.0	17.0
97.5°	137.0	134.4	18.5	22.1	22.4
100°	189.5	195.5	19.4	23.1	24.3
102.5°	247.8	252.8	36.0	24.1	25.3
105°	341.4	346.1	351.1	25.5	26.7
107.5°	434.4	438.0	441.2	397.2	148.7
110°	495.7	499.2	500.5	512.7	515.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	553.0	557.5	559.8	570.1	574.4
115°	640.2	645.0	646.3	656.1	659.7
117.5°	723.1	728.1	730.4	738.3	744.0
120°	777.5	783.4	784.8	794.6	799.4
122.5°	831.0	837.9	837.3	846.2	852.8
125°	909.9	915.9	913.6	923.4	929.4
127.5°	985.0	988.6	983.5	995.6	1000.6
130°	1032.6	1036.2	1030.2	1041.3	1047.2
132.5°	1076.4	1081.8	1074.9	1085.0	1090.9
135°	1143.2	1149.1	1139.5	1148.2	1155.3
137.5°	1202.7	1209.8	1198.3	1208.4	1214.6
140°	1241.6	1248.7	1234.3	1245.4	1252.5
142.5°	1277.5	1286.6	1269.3	1279.4	1287.5
145°	1330.3	1338.6	1321.8	1330.4	1337.6
147.5°	1380.3	1387.4	1371.3	1377.5	1382.5
150°	1410.4	1417.6	1399.5	1405.7	1411.7
152.5°	1434.7	1444.7	1426.7	1431.1	1439.8
155°	1473.6	1485.5	1465.1	1469.0	1478.5
157.5°	1509.3	1520.0	1499.6	1503.0	1511.3
160°	1530.7	1541.4	1521.0	1522.4	1530.7
162.5°	1547.2	1557.0	1539.5	1537.0	1547.2
165°	1570.8	1579.1	1562.3	1557.7	1568.4
167.5°	1590.5	1600.0	1579.3	1575.5	1587.6
170°	1601.2	1610.7	1589.0	1583.3	1596.3
172.5°	1608.0	1616.5	1595.8	1588.1	1598.3
175°	1615.8	1624.1	1602.4	1594.0	1598.8
177.5°	1617.9	1624.6	1607.3	1599.7	1611.1
180°	1612.1	1612.1	1612.1	1612.1	1612.1



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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	17.05	17.96	17.95	18.88	20.05	15.97	16.88	16.87	17.80	18.97
	3H	18.72	19.53	19.63	20.46	21.66	17.38	18.20	18.30	19.13	20.33
	4H	19.35	20.12	20.28	21.05	22.26	17.90	18.68	18.83	19.61	20.82
	6H	19.74	20.45	20.68	21.39	22.61	18.22	18.93	19.16	19.87	21.10
	8H	19.87	20.55	20.82	21.51	22.73	18.35	19.02	19.30	19.98	21.20
	12H	19.94	20.59	20.90	21.54	22.78	18.43	19.07	19.38	20.02	21.27
4H	2H	17.46	18.23	18.39	19.16	20.38	16.60	17.37	17.54	18.31	19.52
	3H	19.35	20.00	20.30	20.96	22.19	18.22	18.87	19.17	19.83	21.06
	4H	20.10	20.69	21.06	21.65	22.90	18.83	19.42	19.79	20.38	21.63
	6H	20.61	21.11	21.58	22.10	23.35	19.25	19.75	20.22	20.74	21.98
	8H	20.80	21.27	21.77	22.25	23.51	19.42	19.89	20.39	20.87	22.13
	12H	20.90	21.33	21.89	22.32	23.59	19.53	19.95	20.51	20.95	22.21
8H	4H	20.24	20.71	21.21	21.69	22.95	19.10	19.57	20.07	20.55	21.81
	6H	20.86	21.25	21.85	22.27	23.53	19.63	20.02	20.62	21.04	22.30
	8H	21.13	21.48	22.14	22.49	23.77	19.88	20.23	20.88	21.23	22.51
	12H	21.30	21.60	22.31	22.60	23.93	20.06	20.36	21.07	21.36	22.69
12H	4H	20.21	20.64	21.20	21.63	22.90	19.10	19.53	20.09	20.52	21.79
	6H	20.88	21.22	21.88	22.23	23.51	19.69	20.03	20.69	21.04	22.32
	8H	21.18	21.48	22.18	22.48	23.81	19.97	20.27	20.98	21.27	22.60