

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: P1439176

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439176
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-055D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

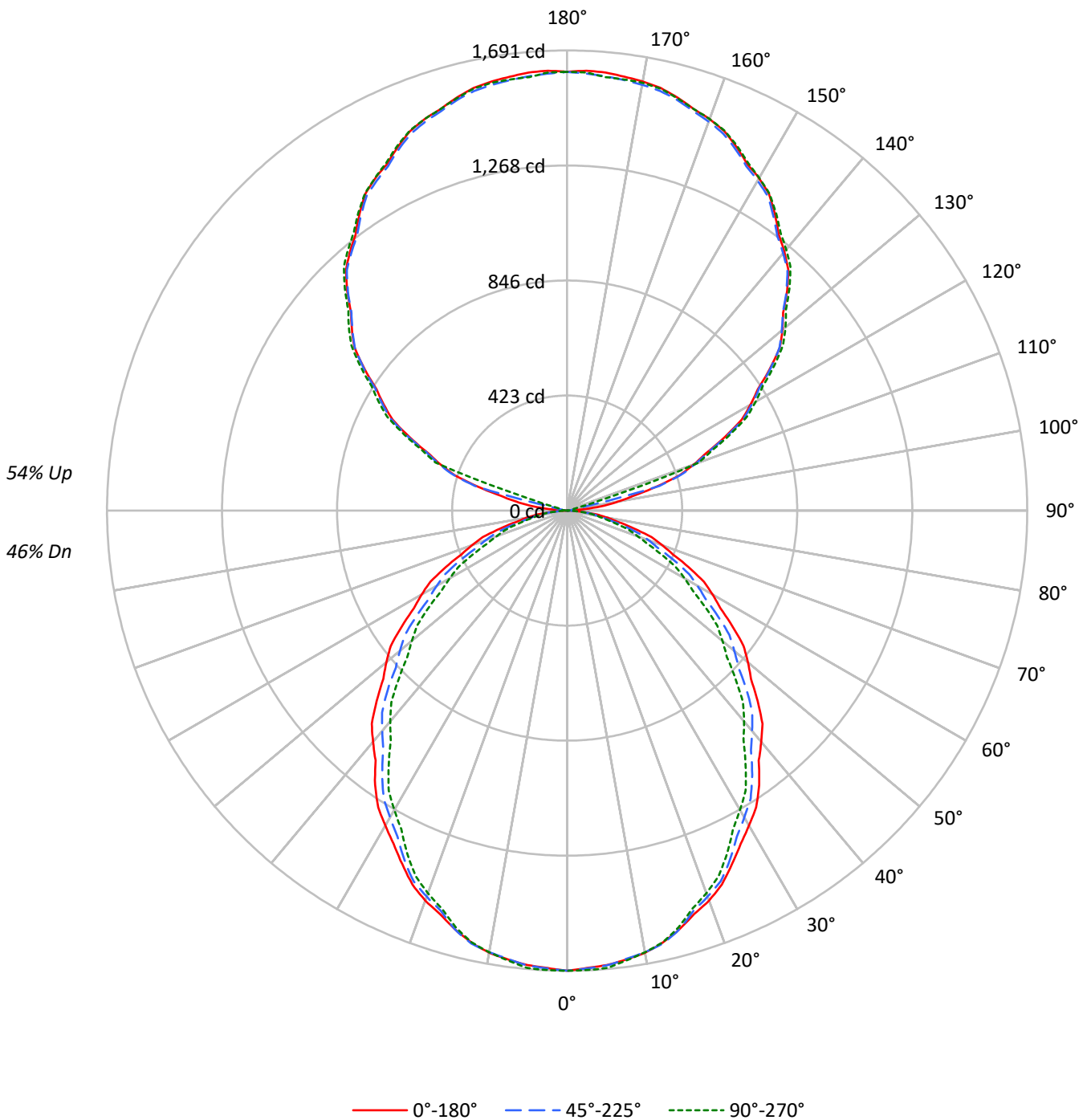
Lumens per Lamp: N/A
Luminaire Lumens: 8806.2 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 69.2
Input Voltage (V): 120
Input Current (A_{in}): 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: P1439176

CATALOG NUMBER: CB3-055U-055D-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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	47	46	45	39
2	88	81	75	70	81	75	70	65	63	59	56	52	49	47	41	39	38	33
3	81	72	64	59	74	66	60	55	55	51	47	46	42	40	37	34	32	28
4	74	63	56	50	68	59	52	46	49	44	40	41	37	34	33	30	28	24
5	68	57	49	43	62	52	45	40	44	39	35	37	33	30	30	27	24	21
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19
7	58	46	38	32	53	42	35	31	36	31	27	30	26	23	25	22	19	17
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	21	18	16	13
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	19	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9566	9566	9566
5°	9521	9528	9583
10°	9479	9465	9465
15°	9334	9334	9278
20°	9182	9088	9009
25°	8951	8838	8681
30°	8732	8505	8300
35°	8502	8187	7896
40°	8195	7805	7468
45°	7917	7466	7005
50°	7631	7061	6553
55°	7320	6668	6124
60°	6984	6264	5639
65°	6591	5804	5128
70°	6138	5265	4569
75°	5565	4621	4070
80°	4851	3874	3600
85°	3739	3271	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7917 cd/sqm



TEST NUMBER: P1439176

CATALOG NUMBER: CB3-055U-055D-830-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.5	1.8
10°-20°	448.2	5.1
20°-30°	651.2	7.4
30°-40°	740.4	8.4
40°-50°	718.8	8.2
50°-60°	606.8	6.9
60°-70°	431.8	4.9
70°-80°	230.7	2.6
80°-90°	61.0	0.7
90°-100°	37.2	0.4
100°-110°	269.6	3.1
110°-120°	641.0	7.3
120°-130°	818.9	9.3
130°-140°	883.3	10.0
140°-150°	832.7	9.5
150°-160°	679.3	7.7
160°-170°	442.6	5.0
170°-180°	153.0	1.7
0°-30°	1259.0	14.3
0°-40°	1999.4	22.7
0°-60°	3325.0	37.8
0°-90°	4048.5	46.0
90°-120°	947.8	10.8
90°-150°	3482.8	39.5
90°-180°	4758.0	54.0
0°-180°	8806.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1691	1691	1691	1691	1691	
5°	1677	1698	1678	1676	1687	159
15°	1594	1608	1594	1584	1584	449
25°	1434	1439	1416	1397	1391	661
35°	1231	1219	1185	1150	1143	767
45°	990	974	933	888	876	763
55°	742	722	676	633	621	664
65°	492	475	434	395	383	488
75°	255	240	211	190	186	271
85°	58	53	50	50	50	68
90°	0	0	0	1	0	5
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	

TEST NUMBER: P1439176

CATALOG NUMBER: CB3-055U-055D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1691.0	1691.0	1691.0	1691.0	1691.0
2.5°	1682.3	1699.2	1684.2	1686.3	1690.0
5°	1676.6	1697.7	1677.8	1675.6	1687.4
7.5°	1663.6	1682.8	1662.1	1657.3	1667.9
10°	1650.1	1671.3	1647.7	1641.9	1647.7
12.5°	1626.1	1648.2	1629.5	1619.7	1624.7
15°	1593.7	1607.8	1593.7	1584.1	1584.1
17.5°	1554.1	1568.9	1542.3	1535.5	1532.9
20°	1525.2	1538.2	1509.6	1499.9	1496.4
22.5°	1486.8	1498.8	1475.0	1458.6	1454.1
25°	1434.0	1438.7	1415.9	1396.6	1390.7
27.5°	1380.9	1382.1	1350.9	1327.4	1319.6
30°	1336.7	1337.9	1301.9	1276.5	1270.6
32.5°	1292.5	1289.0	1254.8	1224.7	1220.7
35°	1231.0	1219.3	1185.4	1150.4	1143.3
37.5°	1156.8	1149.7	1109.7	1074.6	1064.1
40°	1109.7	1098.0	1056.9	1021.8	1011.2
42.5°	1062.6	1049.0	1006.9	968.0	956.5
45°	989.6	974.3	933.2	888.4	875.5
47.5°	916.1	899.4	854.1	810.8	796.5
50°	867.1	849.5	802.3	759.9	744.6
52.5°	817.1	798.6	751.3	708.1	695.6
55°	742.2	722.2	676.1	632.6	620.9
57.5°	667.3	647.5	601.7	560.5	546.4
60°	617.3	598.5	553.6	512.5	498.4
62.5°	566.4	548.5	504.6	464.5	451.3
65°	492.4	474.8	433.6	394.9	383.1
67.5°	419.1	404.1	363.4	327.9	318.5
70°	371.1	357.0	318.3	285.6	276.2
72.5°	325.0	310.0	273.1	245.3	238.8
75°	254.6	240.5	211.4	189.7	186.2
77.5°	190.2	178.7	153.5	141.2	139.3
80°	148.9	138.4	118.9	110.5	110.5
82.5°	110.5	101.8	89.1	85.5	85.5
85°	57.6	52.9	50.4	50.4	50.4
87.5°	17.3	17.3	16.3	15.6	15.4
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



TEST NUMBER: P1439176

CATALOG NUMBER: CB3-055U-055D-830-1D-UNV-STD-W-8

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

TEST NUMBER: P1439176
 CATALOG NUMBER: CB3-055U-055D-830-1D-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	14.61	15.43	15.60	16.43	17.76	13.53	14.35	14.52	15.35	16.68
	3H	16.27	17.00	17.28	18.02	19.37	14.94	15.67	15.94	16.68	18.03
	4H	16.90	17.59	17.92	18.61	19.97	15.46	16.15	16.47	17.16	18.52
	6H	17.28	17.92	18.31	18.94	20.31	15.77	16.41	16.80	17.43	18.80
	8H	17.42	18.03	18.45	19.06	20.43	15.89	16.50	16.93	17.54	18.90
	12H	17.49	18.06	18.52	19.09	20.48	15.97	16.54	17.01	17.57	18.96
4H	2H	15.01	15.70	16.03	16.72	18.08	14.15	14.85	15.18	15.86	17.22
	3H	16.90	17.47	17.93	18.52	19.89	15.77	16.34	16.80	17.39	18.76
	4H	17.64	18.17	18.68	19.21	20.60	16.37	16.90	17.41	17.94	19.33
	6H	18.14	18.60	19.19	19.66	21.05	16.78	17.24	17.83	18.30	19.69
	8H	18.33	18.76	19.38	19.81	21.21	16.95	17.38	18.00	18.43	19.83
	12H	18.43	18.81	19.50	19.88	21.29	17.06	17.44	18.12	18.50	19.91
8H	4H	17.77	18.19	18.82	19.25	20.65	16.63	17.05	17.68	18.11	19.51
	6H	18.39	18.74	19.46	19.83	21.23	17.16	17.51	18.23	18.60	20.00
	8H	18.66	18.97	19.74	20.05	21.47	17.41	17.72	18.49	18.79	20.22
	12H	18.82	19.10	19.91	20.17	21.63	17.58	17.85	18.67	18.93	20.39
12H	4H	17.74	18.12	18.81	19.19	20.60	16.63	17.01	17.70	18.08	19.49
	6H	18.40	18.71	19.48	19.79	21.21	17.21	17.52	18.30	18.60	20.02
	8H	18.70	18.97	19.79	20.04	21.51	17.49	17.77	18.58	18.84	20.30