

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: P1439180

Luminaire Tested: CB3-055U-055D-840-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439180
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-840-1D-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

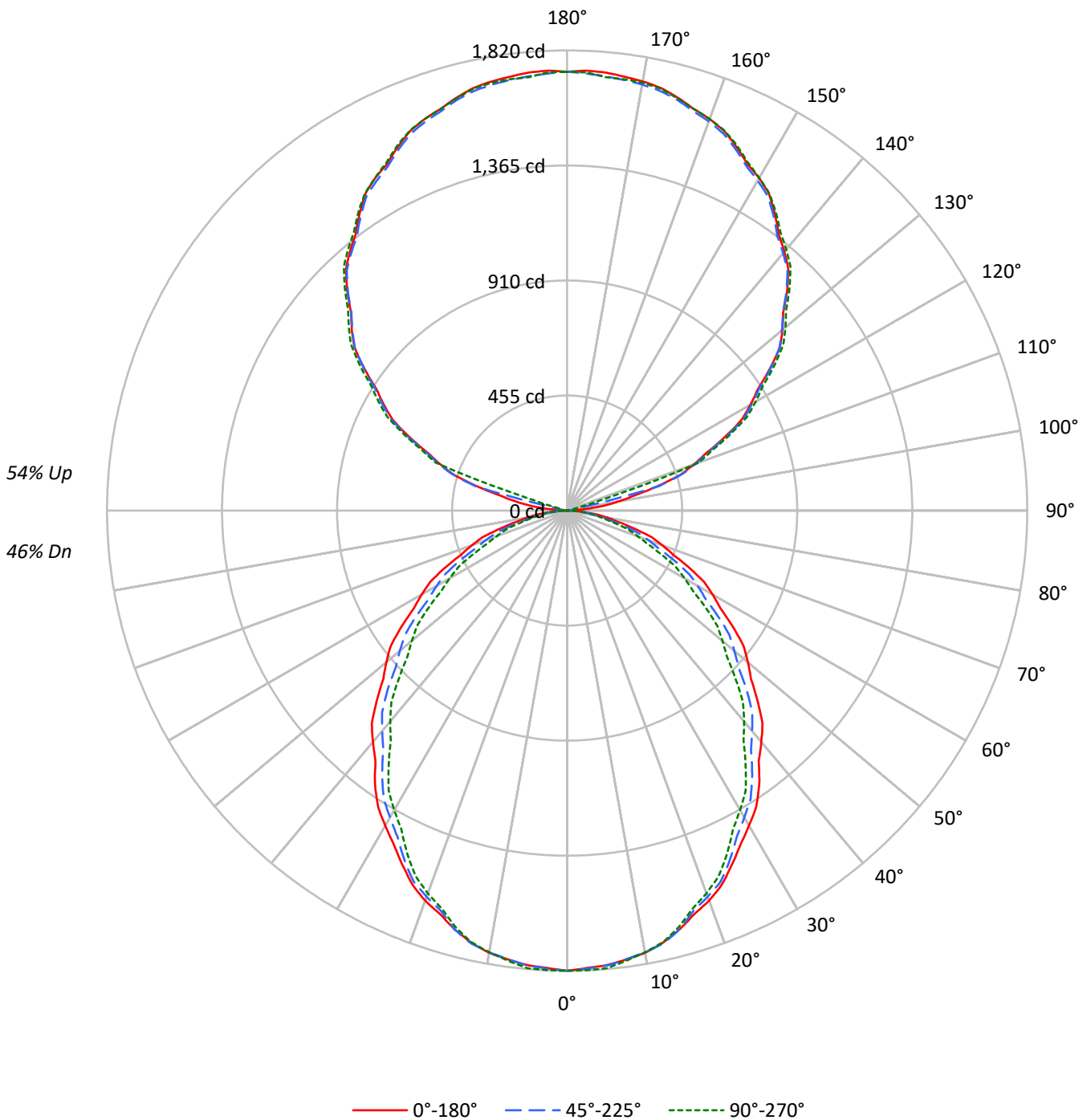
Lumens per Lamp: N/A
Luminaire Lumens: 9479.7 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 69.2
Input Voltage (V): 120
Input Current (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: P1439180

CATALOG NUMBER: CB3-055U-055D-840-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P1439180

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10298	10298	10298
5°	10249	10257	10315
10°	10204	10190	10190
15°	10048	10048	9987
20°	9885	9784	9698
25°	9635	9514	9345
30°	9400	9155	8935
35°	9152	8812	8500
40°	8822	8402	8039
45°	8523	8037	7541
50°	8215	7601	7055
55°	7881	7179	6593
60°	7519	6743	6070
65°	7096	6247	5521
70°	6608	5667	4918
75°	5991	4973	4380
80°	5222	4170	3874
85°	4031	3525	3525

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8523 cd/sqm



TEST NUMBER: P1439180

CATALOG NUMBER: CB3-055U-055D-840-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.7	1.8
10°-20°	482.5	5.1
20°-30°	701.0	7.4
30°-40°	797.0	8.4
40°-50°	773.7	8.2
50°-60°	653.3	6.9
60°-70°	464.8	4.9
70°-80°	248.3	2.6
80°-90°	65.7	0.7
90°-100°	40.1	0.4
100°-110°	290.2	3.1
110°-120°	690.0	7.3
120°-130°	881.5	9.3
130°-140°	950.9	10.0
140°-150°	896.4	9.5
150°-160°	731.3	7.7
160°-170°	476.5	5.0
170°-180°	164.7	1.7
0°-30°	1355.3	14.3
0°-40°	2152.3	22.7
0°-60°	3579.3	37.8
0°-90°	4358.1	46.0
90°-120°	1020.3	10.8
90°-150°	3749.2	39.5
90°-180°	5122.0	54.0
0°-180°	9479.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1820	1820	1820	1820	1820	
5°	1805	1828	1806	1804	1816	171
15°	1716	1731	1716	1705	1705	483
25°	1544	1549	1524	1503	1497	711
35°	1325	1312	1276	1238	1231	826
45°	1065	1049	1004	956	942	822
55°	799	778	728	681	668	714
65°	530	511	467	425	412	525
75°	274	259	228	204	200	292
85°	62	57	54	54	54	74
90°	0	0	0	1	0	5
95°	73	13	17	18	18	90
105°	368	373	378	28	29	388
115°	689	694	696	706	710	680
125°	980	986	983	994	1000	874
135°	1231	1237	1227	1236	1244	948
145°	1432	1441	1423	1432	1440	896
155°	1586	1599	1577	1581	1592	732
165°	1691	1700	1682	1677	1688	477
175°	1739	1748	1725	1716	1721	165
180°	1735	1735	1735	1735	1735	

TEST NUMBER: P1439180

CATALOG NUMBER: CB3-055U-055D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1820.3	1820.3	1820.3	1820.3	1820.3
2.5°	1811.0	1829.2	1813.1	1815.2	1819.3
5°	1804.8	1827.5	1806.1	1803.8	1816.4
7.5°	1790.8	1811.6	1789.3	1784.1	1795.5
10°	1776.3	1799.1	1773.8	1767.4	1773.8
12.5°	1750.5	1774.2	1754.1	1743.6	1748.9
15°	1715.6	1730.7	1715.6	1705.2	1705.2
17.5°	1672.9	1688.8	1660.2	1652.9	1650.2
20°	1641.9	1655.8	1625.1	1614.7	1610.9
22.5°	1600.5	1613.4	1587.8	1570.2	1565.4
25°	1543.6	1548.7	1524.2	1503.4	1497.1
27.5°	1486.5	1487.8	1454.2	1428.9	1420.6
30°	1438.9	1440.2	1401.4	1374.1	1367.8
32.5°	1391.3	1387.5	1350.7	1318.3	1314.0
35°	1325.1	1312.5	1276.0	1238.4	1230.8
37.5°	1245.2	1237.7	1194.6	1156.8	1145.4
40°	1194.6	1181.9	1137.7	1099.9	1088.6
42.5°	1143.9	1129.2	1083.9	1042.0	1029.6
45°	1065.3	1048.9	1004.5	956.4	942.5
47.5°	986.2	968.2	919.5	872.8	857.4
50°	933.4	914.5	863.6	818.0	801.6
52.5°	879.6	859.7	808.8	762.2	748.8
55°	799.0	777.5	727.9	681.0	668.4
57.5°	718.3	697.1	647.7	603.4	588.2
60°	664.5	644.3	596.0	551.7	536.5
62.5°	609.7	590.5	543.2	500.0	485.8
65°	530.1	511.1	466.7	425.1	412.4
67.5°	451.2	435.0	391.2	353.0	342.9
70°	399.5	384.3	342.6	307.5	297.3
72.5°	349.8	333.7	294.0	264.1	257.0
75°	274.1	258.9	227.5	204.2	200.4
77.5°	204.8	192.4	165.2	152.0	150.0
80°	160.3	148.9	128.0	118.9	118.9
82.5°	118.9	109.6	95.9	92.0	92.0
85°	62.1	57.0	54.3	54.3	54.3
87.5°	18.6	18.6	17.6	16.8	16.5
90°	0.0	0.0	0.0	1.3	0.0
92.5°	19.9	7.6	6.3	7.6	7.3
95°	73.2	13.1	17.0	18.3	18.3
97.5°	147.5	144.7	19.9	23.8	24.1
100°	204.0	210.4	20.9	24.9	26.2
102.5°	266.8	272.2	38.7	25.9	27.2
105°	367.5	372.6	377.9	27.5	28.8
107.5°	467.7	471.5	475.0	427.6	160.1
110°	533.6	537.4	538.8	551.9	554.5



TEST NUMBER: P1439180

CATALOG NUMBER: CB3-055U-055D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	595.3	600.2	602.6	613.7	618.3
115°	689.2	694.3	695.7	706.3	710.1
117.5°	778.4	783.8	786.2	794.7	800.9
120°	837.0	843.4	844.8	855.4	860.5
122.5°	894.5	901.9	901.3	910.9	918.1
125°	979.5	985.9	983.4	994.1	1000.4
127.5°	1060.3	1064.2	1058.8	1071.7	1077.1
130°	1111.6	1115.4	1109.0	1120.9	1127.3
132.5°	1158.7	1164.6	1157.1	1168.0	1174.4
135°	1230.6	1237.0	1226.7	1236.0	1243.7
137.5°	1294.7	1302.4	1290.0	1300.9	1307.5
140°	1336.5	1344.2	1328.7	1340.6	1348.3
142.5°	1375.3	1385.0	1366.4	1377.3	1386.0
145°	1432.0	1441.0	1422.9	1432.2	1439.9
147.5°	1485.9	1493.6	1476.2	1482.9	1488.2
150°	1518.3	1526.0	1506.6	1513.2	1519.6
152.5°	1544.5	1555.2	1535.8	1540.5	1550.0
155°	1586.3	1599.1	1577.2	1581.3	1591.6
157.5°	1624.8	1636.3	1614.3	1617.9	1626.9
160°	1647.8	1659.3	1637.3	1638.8	1647.8
162.5°	1665.6	1676.1	1657.2	1654.6	1665.6
165°	1690.9	1699.9	1681.8	1676.8	1688.3
167.5°	1712.1	1722.4	1700.1	1696.0	1709.0
170°	1723.6	1733.9	1710.6	1704.3	1718.4
172.5°	1731.0	1740.2	1717.9	1709.5	1720.5
175°	1739.3	1748.3	1724.9	1715.9	1721.0
177.5°	1741.7	1748.8	1730.2	1722.1	1734.4
180°	1735.4	1735.4	1735.4	1735.4	1735.4



TEST NUMBER: P1439180
 CATALOG NUMBER: CB3-055U-055D-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	14.87	15.68	15.86	16.69	18.01	13.79	14.60	14.78	15.61	16.94
	3H	16.53	17.26	17.53	18.27	19.62	15.20	15.93	16.20	16.94	18.29
	4H	17.16	17.85	18.17	18.87	20.22	15.71	16.41	16.73	17.42	18.78
	6H	17.54	18.18	18.57	19.20	20.57	16.03	16.67	17.06	17.69	19.06
	8H	17.68	18.28	18.71	19.32	20.68	16.15	16.76	17.18	17.79	19.16
	12H	17.74	18.32	18.78	19.35	20.74	16.22	16.80	17.26	17.83	19.22
4H	2H	15.27	15.96	16.29	16.98	18.33	14.41	15.10	15.43	16.12	17.47
	3H	17.15	17.73	18.19	18.77	20.15	16.02	16.60	17.06	17.65	19.02
	4H	17.90	18.43	18.94	19.46	20.86	16.63	17.16	17.67	18.19	19.59
	6H	18.40	18.85	19.45	19.91	21.30	17.04	17.49	18.09	18.55	19.94
	8H	18.59	19.01	19.64	20.07	21.47	17.21	17.63	18.26	18.68	20.09
	12H	18.69	19.07	19.75	20.14	21.54	17.31	17.69	18.38	18.76	20.17
8H	4H	18.03	18.45	19.08	19.50	20.91	16.89	17.31	17.94	18.36	19.77
	6H	18.64	18.99	19.72	20.09	21.49	17.41	17.76	18.49	18.86	20.26
	8H	18.92	19.23	20.00	20.30	21.73	17.67	17.97	18.75	19.05	20.47
	12H	19.08	19.35	20.16	20.42	21.89	17.84	18.11	18.92	19.18	20.64
12H	4H	18.00	18.38	19.06	19.45	20.86	16.89	17.27	17.95	18.34	19.75
	6H	18.66	18.97	19.74	20.05	21.47	17.47	17.78	18.55	18.86	20.28
	8H	18.96	19.23	20.04	20.30	21.76	17.75	18.02	18.83	19.09	20.56