

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: P1438670

Luminaire Tested: CB2-055U-085D-830-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438670
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-055U-085D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

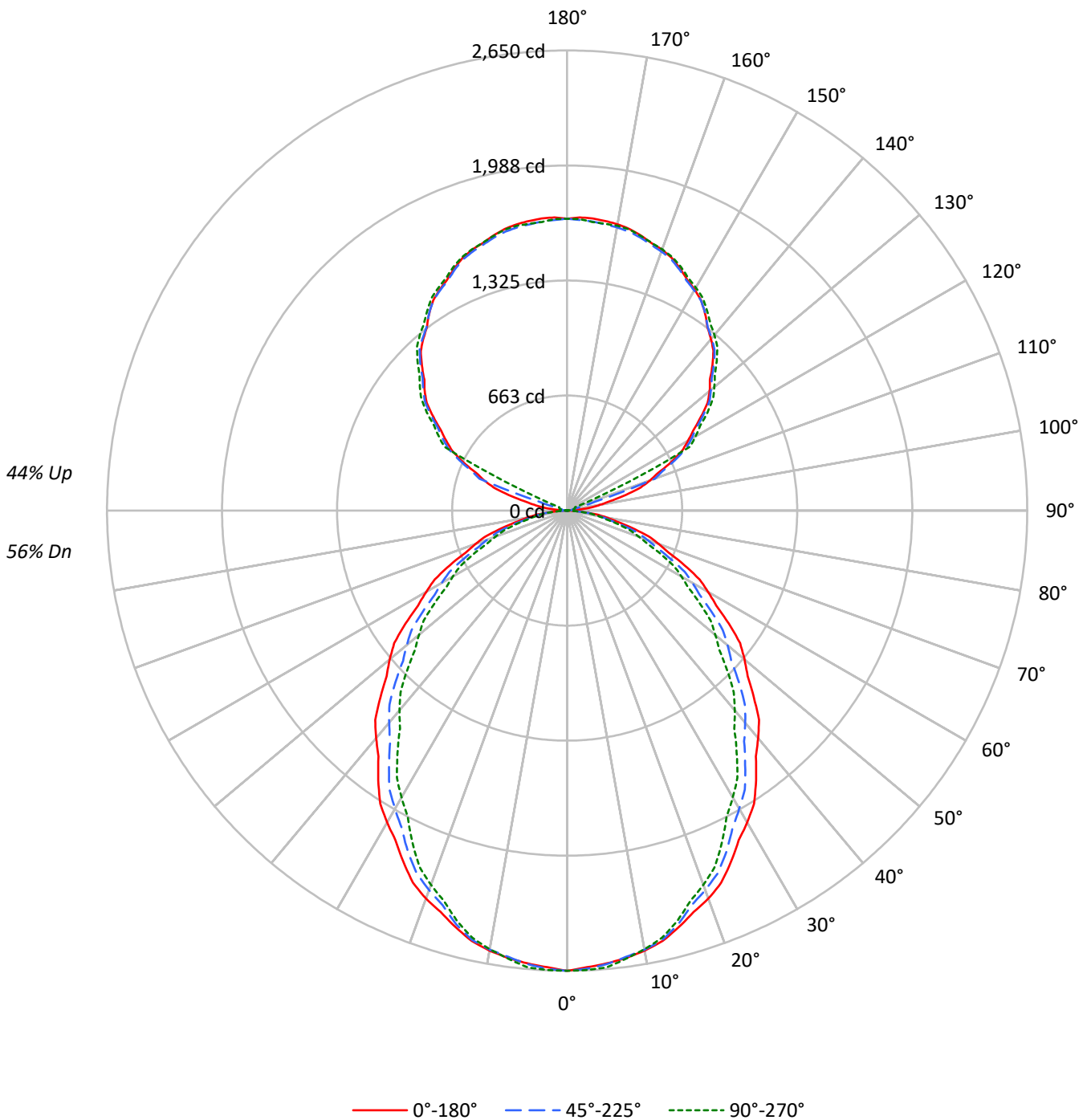
Lumens per Lamp: N/A
Luminaire Lumens: 10970.7 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 93.8
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

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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	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	76	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	40
3	83	73	66	60	77	69	62	57	60	55	51	51	47	44	43	41	38	34
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	37	43	37	33	37	33	29	32	28	26	23
7	60	47	39	34	55	45	37	32	39	33	29	34	29	26	29	26	23	20
8	55	43	35	30	52	41	34	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°	23080	23080	23080
5°	22884	22919	23079
10°	22753	22700	22681
15°	22394	22247	22064
20°	22040	21552	21251
25°	21448	20844	20260
30°	20855	19936	19182
35°	20171	19006	18100
40°	19447	18133	17071
45°	18719	17219	16070
50°	18063	16331	15093
55°	17254	15405	14172
60°	16329	14526	13255
65°	15346	13549	12335
70°	14262	12451	11160
75°	12975	11265	10104
80°	11600	9870	9158
85°	8923	8114	6695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18719 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.2	2.3
10°-20°	694.7	6.3
20°-30°	998.9	9.1
30°-40°	1122.7	10.2
40°-50°	1084.5	9.9
50°-60°	916.4	8.4
60°-70°	658.2	6.0
70°-80°	359.7	3.3
80°-90°	95.6	0.9
90°-100°	29.3	0.3
100°-110°	186.4	1.7
110°-120°	592.1	5.4
120°-130°	859.2	7.8
130°-140°	924.1	8.4
140°-150°	870.0	7.9
150°-160°	708.8	6.5
160°-170°	461.3	4.2
170°-180°	159.5	1.5
0°-30°	1942.8	17.7
0°-40°	3065.5	27.9
0°-60°	5066.4	46.2
0°-90°	6179.9	56.3
90°-120°	807.7	7.4
90°-150°	3461.1	31.5
90°-180°	4791.0	43.7
0°-180°	10970.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2650	2650	2650	2650	2650	
5°	2618	2653	2622	2622	2640	249
15°	2484	2506	2468	2443	2447	700
25°	2232	2234	2169	2120	2108	1028
35°	1897	1876	1788	1718	1702	1185
45°	1520	1488	1398	1325	1305	1174
55°	1136	1095	1015	951	933	1016
65°	745	717	658	610	599	738
75°	386	362	335	308	300	412
85°	89	83	81	71	67	106
90°	0	0	0	1	1	6
95°	67	19	21	13	12	85
105°	350	363	36	43	45	369
115°	662	676	683	691	396	651
125°	940	957	957	973	986	841
135°	1183	1198	1195	1203	1218	913
145°	1385	1396	1386	1388	1406	866
155°	1538	1548	1531	1528	1549	709
165°	1640	1645	1628	1621	1638	463
175°	1689	1692	1670	1660	1668	161
180°	1680	1680	1680	1680	1680	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2650.2	2650.2	2650.2	2650.2	2650.2
2.5°	2632.3	2664.0	2640.4	2643.8	2648.5
5°	2617.7	2653.4	2621.7	2622.2	2640.0
7.5°	2599.0	2632.7	2592.9	2585.6	2602.3
10°	2573.0	2606.8	2567.0	2553.0	2564.9
12.5°	2539.0	2571.1	2532.9	2510.8	2521.1
15°	2483.8	2505.6	2467.5	2443.3	2447.2
17.5°	2423.7	2437.2	2382.3	2361.9	2357.9
20°	2378.2	2390.1	2325.5	2297.0	2293.0
22.5°	2319.8	2330.1	2262.2	2227.1	2221.6
25°	2232.1	2234.1	2169.2	2120.3	2108.4
27.5°	2140.4	2134.1	2062.1	2004.1	1988.6
30°	2073.9	2065.9	1982.5	1921.3	1907.5
32.5°	2002.4	1988.1	1904.6	1838.6	1824.7
35°	1897.3	1875.5	1787.7	1718.4	1702.5
37.5°	1785.3	1760.7	1674.5	1599.0	1581.2
40°	1710.6	1682.8	1595.0	1519.5	1501.6
42.5°	1636.0	1605.0	1515.4	1439.9	1420.4
45°	1519.9	1488.1	1398.1	1324.6	1304.8
47.5°	1409.5	1369.0	1281.7	1208.6	1188.7
50°	1333.2	1289.5	1205.4	1133.9	1114.0
52.5°	1255.3	1210.0	1129.1	1060.8	1041.0
55°	1136.4	1094.7	1014.6	951.3	933.4
57.5°	1018.7	978.6	905.4	845.0	827.5
60°	937.5	903.8	834.0	776.8	761.0
62.5°	859.6	829.0	762.6	710.3	694.4
65°	744.7	716.9	657.5	610.5	598.6
67.5°	633.1	605.3	557.2	515.1	501.6
70°	560.1	532.3	489.0	450.2	438.3
72.5°	490.3	460.9	425.7	390.2	381.5
75°	385.6	361.7	334.8	308.3	300.3
77.5°	293.0	270.0	250.4	231.7	229.7
80°	231.3	211.5	196.8	184.6	182.6
82.5°	172.9	157.8	148.1	139.2	138.8
85°	89.3	83.3	81.2	70.9	67.0
87.5°	26.0	26.0	22.7	19.7	19.7
90°	0.0	0.0	0.0	1.2	1.2
92.5°	18.5	7.1	4.9	7.0	7.0
95°	66.8	19.3	20.7	13.3	12.1
97.5°	138.7	31.1	29.9	32.8	34.0
100°	193.2	63.7	32.8	37.7	38.9
102.5°	253.4	239.9	33.8	40.6	42.8
105°	349.9	362.9	36.4	42.6	44.9
107.5°	444.6	457.7	169.6	44.0	46.4
110°	507.8	520.9	537.0	45.0	47.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	567.1	583.0	595.3	100.2	49.3
115°	662.1	676.4	682.8	690.6	396.0
117.5°	745.9	763.5	770.7	784.4	797.7
120°	804.2	820.9	826.1	839.8	854.0
122.5°	861.6	876.3	879.6	895.2	908.5
125°	940.3	956.9	957.3	973.4	986.5
127.5°	1019.0	1033.3	1032.6	1044.6	1059.1
130°	1071.5	1081.0	1081.2	1091.3	1106.7
132.5°	1115.2	1128.5	1128.8	1137.0	1152.4
135°	1183.3	1197.5	1195.4	1203.1	1218.5
137.5°	1247.2	1261.0	1257.1	1263.6	1279.5
140°	1289.0	1300.8	1295.0	1301.5	1319.3
142.5°	1327.8	1339.7	1331.0	1336.5	1355.3
145°	1384.9	1395.6	1386.2	1387.8	1405.6
147.5°	1435.7	1446.2	1434.7	1436.3	1453.0
150°	1468.8	1478.3	1463.9	1465.5	1482.1
152.5°	1497.9	1506.5	1491.1	1490.8	1510.3
155°	1538.0	1547.5	1530.7	1527.6	1548.9
157.5°	1574.5	1583.2	1566.4	1564.1	1580.8
160°	1598.8	1604.7	1587.8	1584.6	1601.2
162.5°	1615.3	1622.2	1605.3	1600.1	1616.7
165°	1640.1	1644.8	1627.9	1621.0	1637.6
167.5°	1661.4	1666.9	1645.2	1639.0	1656.8
170°	1674.1	1677.6	1655.9	1647.8	1665.6
172.5°	1681.8	1684.5	1662.7	1653.5	1665.6
175°	1688.7	1692.2	1670.4	1659.7	1668.0
177.5°	1689.9	1691.8	1675.3	1665.9	1680.1
180°	1680.1	1680.1	1680.1	1680.1	1680.1

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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	18.47	19.38	19.38	20.30	21.48	17.37	18.28	18.28	19.20	20.38
	3H	20.12	20.94	21.04	21.87	23.07	18.91	19.72	19.82	20.65	21.85
	4H	20.75	21.52	21.68	22.46	23.67	19.48	20.25	20.41	21.19	22.40
	6H	21.16	21.87	22.10	22.81	24.03	19.85	20.56	20.80	21.50	22.73
	8H	21.31	21.98	22.26	22.94	24.16	20.00	20.67	20.95	21.63	22.85
	12H	21.38	22.03	22.34	22.98	24.23	20.06	20.70	21.01	21.66	22.90
4H	2H	18.89	19.66	19.82	20.59	21.81	18.01	18.78	18.95	19.72	20.93
	3H	20.76	21.40	21.71	22.37	23.60	19.75	20.39	20.70	21.36	22.59
	4H	21.51	22.10	22.47	23.06	24.31	20.43	21.01	21.38	21.97	23.23
	6H	22.03	22.54	23.00	23.52	24.77	20.91	21.41	21.88	22.39	23.65
	8H	22.24	22.71	23.21	23.69	24.95	21.10	21.57	22.07	22.55	23.81
	12H	22.35	22.77	23.34	23.77	25.04	21.19	21.61	22.18	22.61	23.88
8H	4H	21.67	22.14	22.64	23.12	24.38	20.71	21.18	21.68	22.15	23.42
	6H	22.31	22.70	23.31	23.72	24.99	21.31	21.70	22.31	22.72	23.98
	8H	22.60	22.95	23.61	23.96	25.24	21.59	21.93	22.59	22.94	24.22
	12H	22.78	23.08	23.79	24.08	25.41	21.74	22.04	22.75	23.04	24.37
12H	4H	21.65	22.08	22.64	23.07	24.34	20.71	21.14	21.70	22.13	23.40
	6H	22.34	22.69	23.35	23.69	24.98	21.38	21.72	22.38	22.73	24.01
	8H	22.66	22.96	23.67	23.97	25.29	21.68	21.99	22.69	22.99	24.32