

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: P1438684

Luminaire Tested: CB2-055U-120D-830-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438684
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-120D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

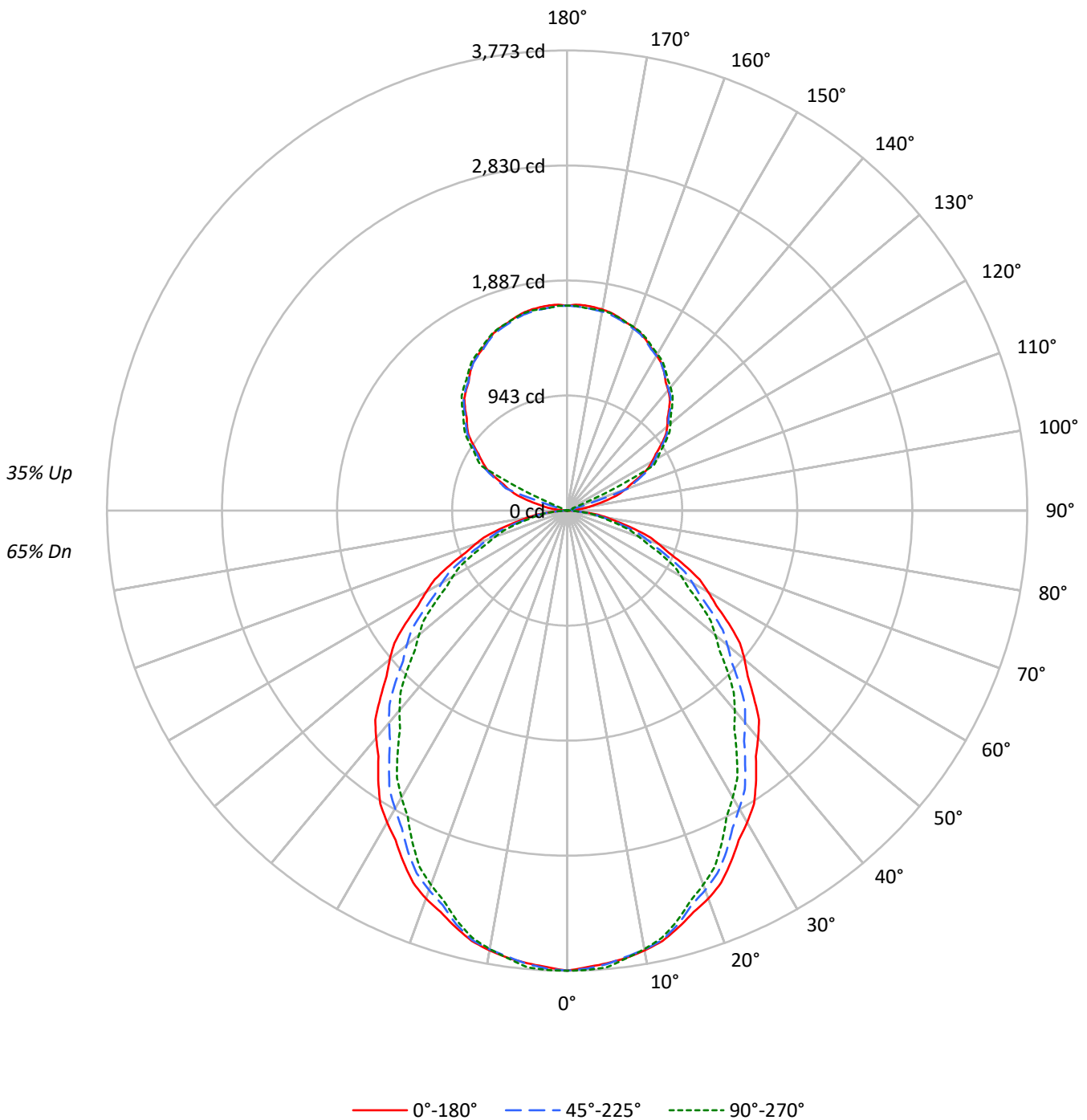
Lumens per Lamp: N/A
Luminaire Lumens: 13588.2 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 126.3
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				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	111	111	111	111	104	104	104	104	92	92	92	80	80	80	70	70	70	65
1	101	97	93	90	95	91	88	85	81	78	76	71	69	67	62	61	59	55
2	92	85	79	74	87	80	75	70	71	67	63	63	59	57	55	52	50	46
3	85	75	68	62	79	71	64	59	63	58	53	56	52	48	49	46	43	40
4	78	67	59	52	73	63	56	50	56	50	46	50	45	42	44	40	37	34
5	71	60	51	45	67	56	49	43	50	44	40	45	40	36	40	36	33	30
6	66	54	45	39	62	51	43	38	46	39	35	41	36	32	36	32	29	26
7	61	49	40	35	57	46	39	34	41	35	31	37	32	28	33	29	26	23
8	57	44	36	31	53	42	35	30	38	32	28	34	29	25	30	26	23	21
9	53	41	33	28	50	39	32	27	35	29	25	31	27	23	28	24	21	19
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32854	32854	32854
5°	32576	32627	32854
10°	32391	32314	32288
15°	31878	31669	31410
20°	31375	30679	30251
25°	30533	29672	28840
30°	29687	28381	27306
35°	28714	27056	25766
40°	27684	25812	24301
45°	26647	24512	22876
50°	25713	23248	21486
55°	24562	21929	20175
60°	23245	20680	18868
65°	21845	19286	17561
70°	20301	17727	15889
75°	18469	16037	14384
80°	16515	14052	13039
85°	12700	11541	9522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26647 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.8	2.6
10°-20°	988.9	7.3
20°-30°	1421.9	10.5
30°-40°	1598.2	11.8
40°-50°	1543.9	11.4
50°-60°	1304.5	9.6
60°-70°	937.0	6.9
70°-80°	512.1	3.8
80°-90°	136.1	1.0
90°-100°	29.3	0.2
100°-110°	186.4	1.4
110°-120°	592.1	4.4
120°-130°	859.2	6.3
130°-140°	924.1	6.8
140°-150°	870.0	6.4
150°-160°	708.8	5.2
160°-170°	461.3	3.4
170°-180°	159.5	1.2
0°-30°	2765.7	20.4
0°-40°	4363.9	32.1
0°-60°	7212.3	53.1
0°-90°	8797.5	64.7
90°-120°	807.7	5.9
90°-150°	3461.1	25.5
90°-180°	4791.0	35.3
0°-180°	13588.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3773	3773	3773	3773	3773	
5°	3726	3777	3732	3733	3758	354
15°	3536	3567	3513	3478	3484	997
25°	3178	3180	3088	3018	3001	1463
35°	2701	2670	2545	2446	2424	1687
45°	2164	2118	1990	1886	1857	1672
55°	1618	1558	1444	1354	1329	1446
65°	1060	1021	936	869	852	1051
75°	549	515	477	439	428	587
85°	127	119	116	101	95	151
90°	0	0	0	1	1	8
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°	3772.6	3772.6	3772.6	3772.6	3772.6
2.5°	3747.2	3792.4	3758.8	3763.5	3770.3
5°	3726.4	3777.3	3732.2	3732.8	3758.2
7.5°	3699.8	3747.9	3691.2	3680.7	3704.5
10°	3662.9	3710.9	3654.2	3634.4	3651.3
12.5°	3614.3	3660.1	3605.7	3574.2	3588.9
15°	3535.8	3566.8	3512.6	3478.1	3483.8
17.5°	3450.3	3469.5	3391.3	3362.3	3356.7
20°	3385.5	3402.5	3310.4	3269.9	3264.2
22.5°	3302.4	3317.0	3220.3	3170.4	3162.5
25°	3177.6	3180.4	3088.0	3018.3	3001.4
27.5°	3047.0	3038.0	2935.5	2852.9	2830.9
30°	2952.2	2940.9	2822.3	2735.1	2715.4
32.5°	2850.6	2830.2	2711.3	2617.3	2597.5
35°	2700.9	2669.9	2544.9	2446.2	2423.6
37.5°	2541.5	2506.4	2383.7	2276.3	2250.9
40°	2435.2	2395.6	2270.5	2163.1	2137.6
42.5°	2328.9	2284.8	2157.3	2049.8	2022.1
45°	2163.6	2118.4	1990.3	1885.7	1857.4
47.5°	2006.5	1948.9	1824.5	1720.4	1692.2
50°	1897.9	1835.7	1715.9	1614.1	1585.9
52.5°	1786.9	1722.5	1607.3	1510.1	1481.9
55°	1617.7	1558.4	1444.3	1354.2	1328.8
57.5°	1450.1	1393.1	1288.9	1202.9	1178.0
60°	1334.6	1286.6	1187.3	1105.9	1083.3
62.5°	1223.6	1180.2	1085.6	1011.1	988.5
65°	1060.1	1020.6	935.9	869.1	852.2
67.5°	901.3	861.7	793.2	733.3	714.1
70°	797.3	757.7	696.2	640.9	624.0
72.5°	697.9	656.1	606.0	555.5	543.1
75°	548.9	515.0	476.6	438.8	427.5
77.5°	417.1	384.4	356.5	329.8	327.0
80°	329.3	301.1	280.2	262.8	260.0
82.5°	246.1	224.7	210.9	198.2	197.6
85°	127.1	118.6	115.5	101.0	95.3
87.5°	37.0	37.0	32.4	28.0	28.0
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	20.40	21.39	21.22	22.24	23.28	19.30	20.29	20.12	21.14	22.18
	3H	22.05	22.95	22.89	23.80	24.87	20.84	21.73	21.67	22.58	23.65
	4H	22.69	23.53	23.54	24.39	25.47	21.42	22.26	22.27	23.12	24.20
	6H	23.10	23.87	23.96	24.74	25.84	21.79	22.57	22.66	23.44	24.53
	8H	23.25	23.99	24.12	24.87	25.97	21.94	22.68	22.81	23.56	24.66
	12H	23.33	24.03	24.21	24.91	26.03	22.01	22.71	22.88	23.59	24.71
4H	2H	20.82	21.67	21.68	22.53	23.61	19.95	20.79	20.80	21.65	22.73
	3H	22.70	23.41	23.57	24.30	25.40	21.70	22.40	22.56	23.29	24.39
	4H	23.46	24.10	24.34	24.98	26.11	22.37	23.01	23.25	23.90	25.03
	6H	23.98	24.54	24.88	25.45	26.58	22.86	23.41	23.75	24.32	25.45
	8H	24.19	24.71	25.09	25.61	26.76	23.05	23.57	23.95	24.47	25.62
	12H	24.30	24.77	25.22	25.69	26.84	23.14	23.61	24.06	24.54	25.68
8H	4H	23.62	24.14	24.52	25.05	26.19	22.66	23.17	23.56	24.08	25.22
	6H	24.27	24.70	25.19	25.65	26.79	23.27	23.70	24.19	24.64	25.79
	8H	24.56	24.94	25.50	25.88	27.04	23.54	23.92	24.48	24.86	26.02
	12H	24.74	25.08	25.68	26.01	27.22	23.70	24.03	24.64	24.97	26.18
12H	4H	23.61	24.07	24.53	25.00	26.15	22.67	23.13	23.59	24.06	25.21
	6H	24.30	24.68	25.23	25.62	26.78	23.33	23.71	24.27	24.65	25.81
	8H	24.62	24.96	25.56	25.89	27.10	23.64	23.98	24.58	24.91	26.12