

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: P1439204

Luminaire Tested: CB3-055U-120D-830-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439204
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-120D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

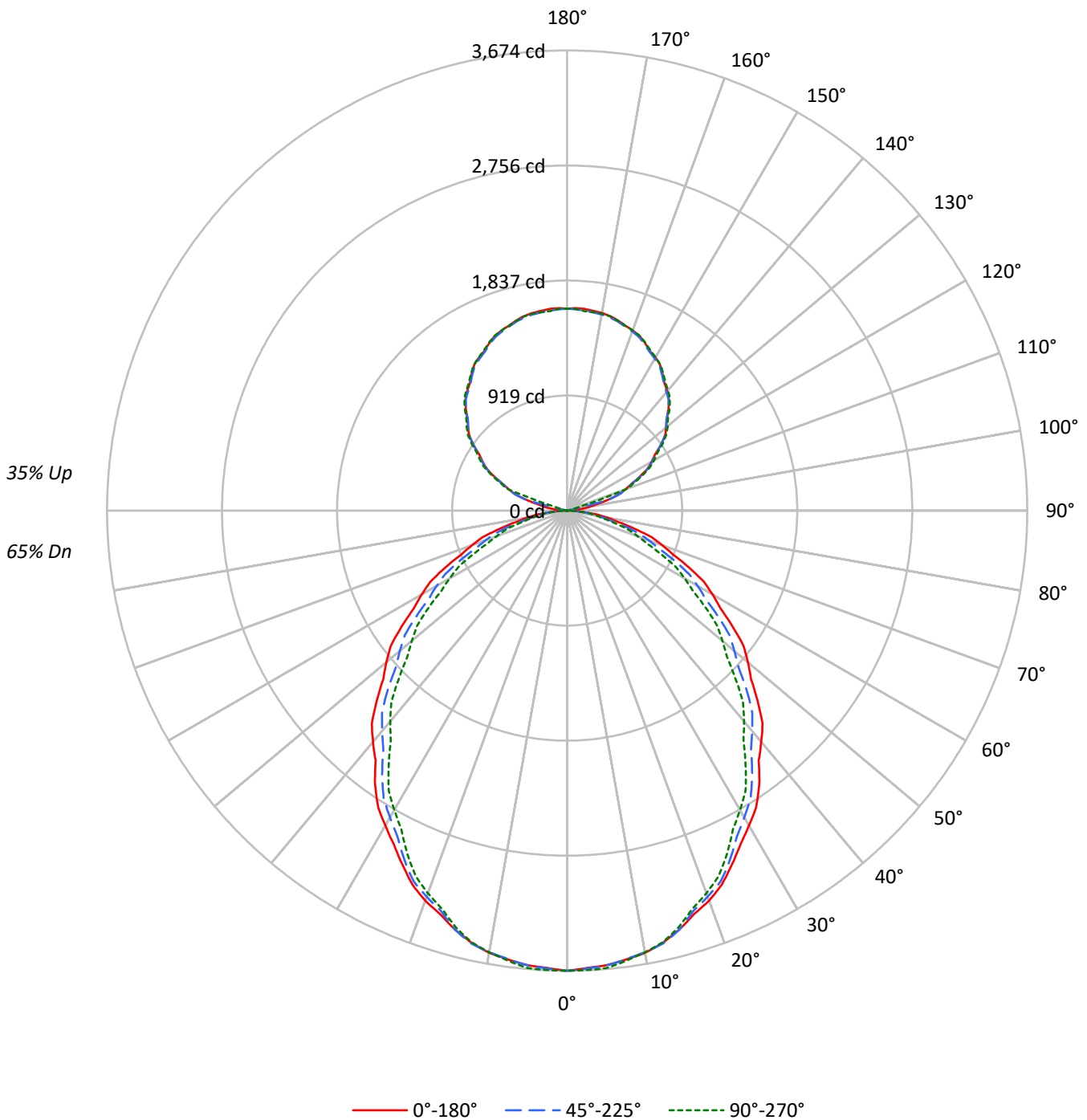
Lumens per Lamp: N/A
Luminaire Lumens: 13554.4 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 113.3
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: P1439204

CATALOG NUMBER: CB3-055U-120D-830-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P1439204

CATALOG NUMBER: CB3-055U-120D-830-1D-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	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	93	85	79	74	87	80	75	70	71	67	63	63	59	57	55	53	50	47
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	33	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	40	33	28	50	39	32	27	35	29	25	31	26	23	28	24	21	19
10	50	37	30	25	47	36	29	24	32	26	23	29	24	21	26	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20787	20787	20787
5°	20688	20703	20821
10°	20597	20567	20567
15°	20282	20282	20159
20°	19952	19748	19575
25°	19449	19205	18863
30°	18973	18479	18036
35°	18473	17788	17157
40°	17807	16959	16227
45°	17204	16222	15220
50°	16582	15342	14239
55°	15906	14491	13306
60°	15176	13611	12254
65°	14322	12611	11144
70°	13339	11438	9928
75°	12092	10039	8842
80°	10543	8415	7822
85°	8133	7114	7114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17204 cd/sqm



TEST NUMBER: P1439204

CATALOG NUMBER: CB3-055U-120D-830-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.7	2.6
10°-20°	974.0	7.2
20°-30°	1415.0	10.4
30°-40°	1608.8	11.9
40°-50°	1561.8	11.5
50°-60°	1318.6	9.7
60°-70°	938.2	6.9
70°-80°	501.2	3.7
80°-90°	132.5	1.0
90°-100°	37.2	0.3
100°-110°	269.6	2.0
110°-120°	641.0	4.7
120°-130°	818.9	6.0
130°-140°	883.3	6.5
140°-150°	832.7	6.1
150°-160°	679.3	5.0
160°-170°	442.6	3.3
170°-180°	153.0	1.1
0°-30°	2735.7	20.2
0°-40°	4344.5	32.1
0°-60°	7224.8	53.3
0°-90°	8796.7	64.9
90°-120°	947.8	7.0
90°-150°	3482.8	25.7
90°-180°	4758.0	35.1
0°-180°	13554.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3674	3674	3674	3674	3674	
5°	3643	3689	3646	3641	3666	346
15°	3463	3494	3463	3442	3442	975
25°	3116	3126	3077	3035	3022	1436
35°	2675	2649	2576	2500	2484	1667
45°	2150	2117	2028	1930	1902	1659
55°	1613	1569	1469	1375	1349	1442
65°	1070	1032	942	858	832	1060
75°	553	523	459	412	404	590
85°	125	115	110	110	110	148
90°	0	0	0	1	0	8
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: P1439204

CATALOG NUMBER: CB3-055U-120D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3674.3	3674.3	3674.3	3674.3	3674.3
2.5°	3655.5	3692.2	3659.7	3664.0	3672.2
5°	3643.0	3688.9	3645.6	3640.9	3666.4
7.5°	3614.8	3656.6	3611.6	3601.2	3624.2
10°	3585.5	3631.5	3580.3	3567.6	3580.3
12.5°	3533.4	3581.3	3540.7	3519.5	3530.2
15°	3462.9	3493.5	3462.9	3442.0	3442.0
17.5°	3376.8	3408.9	3351.2	3336.5	3330.9
20°	3314.1	3342.2	3280.2	3259.2	3251.5
22.5°	3230.6	3256.7	3205.1	3169.4	3159.7
25°	3115.8	3126.0	3076.7	3034.6	3021.9
27.5°	3000.5	3003.0	2935.2	2884.2	2867.4
30°	2904.4	2907.0	2828.8	2773.7	2760.9
32.5°	2808.4	2800.8	2726.5	2661.0	2652.4
35°	2674.8	2649.3	2575.6	2499.6	2484.3
37.5°	2513.5	2498.2	2411.2	2335.0	2312.1
40°	2411.2	2385.7	2296.4	2220.2	2197.3
42.5°	2308.9	2279.3	2187.9	2103.3	2078.3
45°	2150.3	2117.1	2027.6	1930.4	1902.4
47.5°	1990.6	1954.3	1855.9	1761.8	1730.7
50°	1884.1	1845.8	1743.2	1651.1	1617.9
52.5°	1775.5	1735.2	1632.5	1538.5	1511.5
55°	1612.7	1569.3	1469.2	1374.7	1349.1
57.5°	1449.9	1407.0	1307.4	1218.0	1187.4
60°	1341.3	1300.5	1203.0	1113.6	1083.0
62.5°	1230.7	1191.9	1096.5	1009.3	980.7
65°	1069.9	1031.6	942.1	858.0	832.5
67.5°	910.7	878.1	789.7	712.5	692.1
70°	806.4	775.7	691.5	620.6	600.2
72.5°	706.1	673.5	593.4	533.1	518.8
75°	553.2	522.6	459.3	412.1	404.5
77.5°	413.4	388.3	333.5	306.8	302.7
80°	323.6	300.6	258.3	240.1	240.1
82.5°	240.1	221.2	193.6	185.8	185.8
85°	125.3	115.1	109.6	109.6	109.6
87.5°	37.6	37.6	35.5	33.6	33.4
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: P1439204

CATALOG NUMBER: CB3-055U-120D-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: P1439204
 CATALOG NUMBER: CB3-055U-120D-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	18.97	19.97	19.79	20.81	21.85	17.89	18.89	18.71	19.73	20.77
	3H	20.64	21.54	21.48	22.39	23.46	19.31	20.21	20.15	21.06	22.13
	4H	21.28	22.13	22.13	22.98	24.06	19.84	20.68	20.69	21.54	22.62
	6H	21.67	22.45	22.54	23.32	24.41	20.16	20.94	21.02	21.81	22.90
	8H	21.81	22.56	22.69	23.44	24.53	20.29	21.03	21.16	21.91	23.01
	12H	21.89	22.59	22.76	23.47	24.59	20.37	21.08	21.25	21.95	23.07
4H	2H	19.39	20.24	20.25	21.09	22.18	18.53	19.38	19.39	20.24	21.32
	3H	21.29	22.00	22.16	22.89	23.99	20.17	20.87	21.03	21.76	22.86
	4H	22.05	22.69	22.93	23.58	24.70	20.78	21.42	21.66	22.31	23.43
	6H	22.56	23.11	23.45	24.02	25.15	21.20	21.75	22.09	22.66	23.79
	8H	22.75	23.27	23.65	24.18	25.31	21.37	21.89	22.27	22.79	23.93
	12H	22.86	23.32	23.77	24.25	25.39	21.48	21.95	22.40	22.87	24.02
8H	4H	22.19	22.71	23.08	23.61	24.75	21.05	21.57	21.95	22.47	23.61
	6H	22.81	23.24	23.74	24.19	25.33	21.58	22.01	22.51	22.96	24.10
	8H	23.09	23.47	24.02	24.41	25.56	21.84	22.22	22.77	23.16	24.31
	12H	23.26	23.59	24.20	24.53	25.73	22.02	22.35	22.96	23.28	24.49
12H	4H	22.17	22.63	23.08	23.56	24.70	21.06	21.52	21.97	22.45	23.59
	6H	22.83	23.21	23.76	24.15	25.31	21.64	22.02	22.57	22.96	24.12
	8H	23.14	23.47	24.07	24.40	25.61	21.93	22.26	22.87	23.20	24.40