

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: P1439271

Luminaire Tested: CB3-085U-120D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439271
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: CB3-085U-120D-940-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

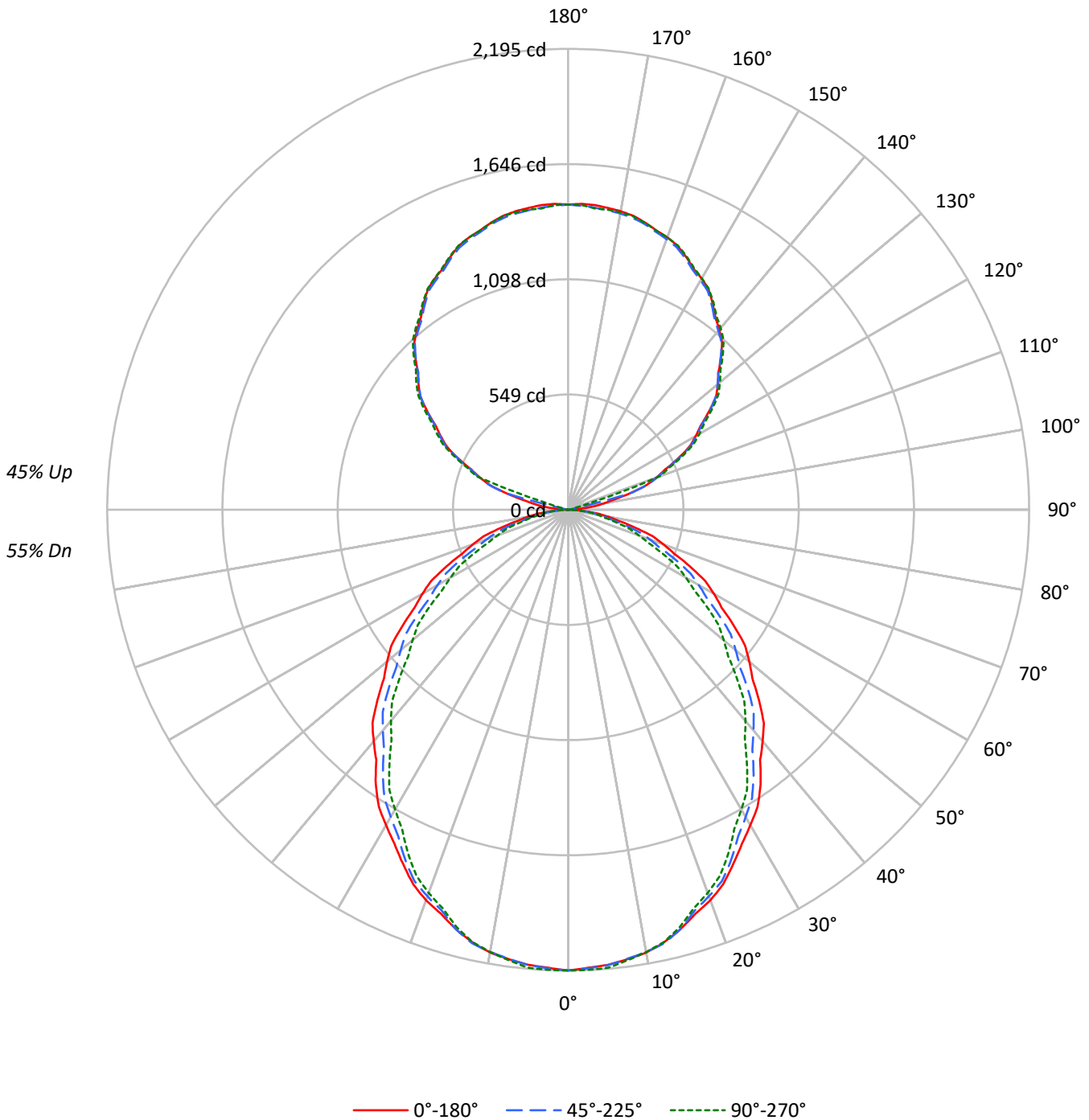
Lumens per Lamp: N/A
Luminaire Lumens: 9543.4 lumens
Efficiency: N/A
Efficacy: 153.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 62
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: P1439271

CATALOG NUMBER: CB3-085U-120D-940-1D-UNV-STD-W-4

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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	99	95	91	88	92	88	85	82	76	73	71	65	63	61	54	53	52	47
2	90	83	77	72	84	77	72	68	67	63	59	57	54	51	48	46	44	40
3	83	73	66	60	76	68	62	57	59	54	50	50	47	44	43	40	38	34
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	33	29
5	70	58	50	44	64	54	47	42	47	41	37	41	36	33	34	31	28	25
6	64	52	44	38	59	49	42	36	43	37	32	37	32	29	31	28	25	22
7	59	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	22	20
8	55	43	35	30	51	40	33	28	35	30	26	31	26	23	26	23	20	18
9	51	39	32	27	48	37	30	25	32	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24834	24834	24834
5°	24717	24734	24876
10°	24609	24573	24573
15°	24231	24231	24086
20°	23838	23594	23388
25°	23237	22945	22537
30°	22668	22077	21548
35°	22070	21252	20498
40°	21275	20262	19387
45°	20554	19381	18184
50°	19811	18329	17013
55°	19004	17312	15897
60°	18133	16261	14639
65°	17110	15068	13314
70°	15935	13666	11860
75°	14448	11996	10562
80°	12595	10054	9344
85°	9711	8503	8503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20554 cd/sqm



TEST NUMBER: P1439271

CATALOG NUMBER: CB3-085U-120D-940-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.1	2.2
10°-20°	581.8	6.1
20°-30°	845.3	8.9
30°-40°	961.1	10.1
40°-50°	933.0	9.8
50°-60°	787.7	8.3
60°-70°	560.4	5.9
70°-80°	299.4	3.1
80°-90°	79.2	0.8
90°-100°	33.5	0.4
100°-110°	243.0	2.5
110°-120°	577.8	6.1
120°-130°	738.2	7.7
130°-140°	796.2	8.3
140°-150°	750.6	7.9
150°-160°	612.3	6.4
160°-170°	399.0	4.2
170°-180°	137.9	1.4
0°-30°	1634.2	17.1
0°-40°	2595.3	27.2
0°-60°	4315.9	45.2
0°-90°	5254.9	55.1
90°-120°	854.3	9.0
90°-150°	3139.3	32.9
90°-180°	4289.0	44.9
0°-180°	9543.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2195	2195	2195	2195	2195	
5°	2176	2204	2178	2175	2190	207
15°	2069	2087	2069	2056	2056	583
25°	1861	1867	1838	1813	1805	858
35°	1598	1583	1539	1493	1484	996
45°	1284	1265	1211	1153	1136	991
55°	963	938	878	821	806	861
65°	639	616	563	512	497	633
75°	330	312	274	246	242	352
85°	75	69	66	66	66	89
90°	0	0	0	1	0	5
95°	61	11	14	15	15	76
105°	308	312	316	23	24	325
115°	577	581	583	591	595	569
125°	820	826	824	832	838	732
135°	1030	1036	1027	1035	1041	794
145°	1199	1207	1191	1199	1206	750
155°	1328	1339	1321	1324	1333	613
165°	1416	1423	1408	1404	1414	400
175°	1456	1464	1444	1437	1441	139
180°	1453	1453	1453	1453	1453	

TEST NUMBER: P1439271

CATALOG NUMBER: CB3-085U-120D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2194.9	2194.9	2194.9	2194.9	2194.9
2.5°	2183.7	2205.6	2186.2	2188.8	2193.6
5°	2176.2	2203.6	2177.7	2175.0	2190.2
7.5°	2159.4	2184.3	2157.5	2151.2	2165.0
10°	2141.9	2169.3	2138.8	2131.2	2138.8
12.5°	2110.7	2139.4	2115.1	2102.4	2108.8
15°	2068.6	2086.9	2068.6	2056.2	2056.2
17.5°	2017.2	2036.4	2001.9	1993.1	1989.7
20°	1979.8	1996.5	1959.5	1946.9	1942.4
22.5°	1929.9	1945.4	1914.6	1893.3	1887.5
25°	1861.3	1867.4	1837.9	1812.8	1805.2
27.5°	1792.4	1793.9	1753.4	1723.0	1712.9
30°	1735.0	1736.6	1689.8	1656.9	1649.3
32.5°	1677.7	1673.1	1628.7	1589.6	1584.4
35°	1597.8	1582.6	1538.6	1493.2	1484.0
37.5°	1501.5	1492.4	1440.4	1394.9	1381.2
40°	1440.4	1425.2	1371.8	1326.3	1312.6
42.5°	1379.3	1361.6	1307.0	1256.4	1241.5
45°	1284.5	1264.7	1211.2	1153.2	1136.4
47.5°	1189.1	1167.5	1108.7	1052.4	1033.8
50°	1125.5	1102.6	1041.3	986.3	966.5
52.5°	1060.7	1036.6	975.2	919.1	902.9
55°	963.4	937.5	877.6	821.2	805.9
57.5°	866.1	840.5	781.0	727.6	709.3
60°	801.3	776.9	718.6	665.2	646.9
62.5°	735.2	712.0	655.0	602.9	585.8
65°	639.1	616.3	562.8	512.5	497.3
67.5°	544.0	524.5	471.7	425.6	413.4
70°	481.7	463.4	413.1	370.7	358.5
72.5°	421.8	402.3	354.5	318.4	309.9
75°	330.5	312.2	274.4	246.2	241.6
77.5°	246.9	232.0	199.2	183.3	180.8
80°	193.3	179.6	154.3	143.4	143.4
82.5°	143.4	132.1	115.7	111.0	111.0
85°	74.8	68.7	65.5	65.5	65.5
87.5°	22.4	22.4	21.2	20.2	20.0
90°	0.0	0.0	0.0	1.1	0.0
92.5°	16.6	6.4	5.3	6.3	6.1
95°	61.3	11.0	14.2	15.3	15.3
97.5°	123.5	121.2	16.6	19.9	20.1
100°	170.8	176.2	17.5	20.8	21.9
102.5°	223.4	227.9	32.4	21.7	22.8
105°	307.7	312.0	316.5	23.0	24.1
107.5°	391.6	394.8	397.7	358.0	134.0
110°	446.8	450.0	451.2	462.2	464.3



TEST NUMBER: P1439271

CATALOG NUMBER: CB3-085U-120D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	498.5	502.5	504.6	513.9	517.7
115°	577.1	581.4	582.6	591.4	594.6
117.5°	651.8	656.3	658.3	665.5	670.6
120°	700.8	706.2	707.4	716.3	720.5
122.5°	749.0	755.2	754.7	762.7	768.7
125°	820.2	825.6	823.5	832.4	837.7
127.5°	887.9	891.1	886.6	897.4	901.9
130°	930.8	934.0	928.6	938.6	943.9
132.5°	970.2	975.1	968.9	978.0	983.4
135°	1030.5	1035.8	1027.2	1035.0	1041.4
137.5°	1084.1	1090.5	1080.2	1089.3	1094.8
140°	1119.2	1125.6	1112.6	1122.6	1129.0
142.5°	1151.6	1159.7	1144.1	1153.3	1160.5
145°	1199.1	1206.6	1191.4	1199.2	1205.7
147.5°	1244.2	1250.6	1236.1	1241.7	1246.2
150°	1271.4	1277.8	1261.5	1267.1	1272.5
152.5°	1293.3	1302.3	1286.0	1289.9	1297.9
155°	1328.3	1339.0	1320.6	1324.1	1332.7
157.5°	1360.5	1370.1	1351.7	1354.8	1362.3
160°	1379.8	1389.4	1371.0	1372.3	1379.8
162.5°	1394.7	1403.4	1387.7	1385.5	1394.7
165°	1415.9	1423.4	1408.2	1404.1	1413.7
167.5°	1433.7	1442.2	1423.6	1420.1	1431.0
170°	1443.3	1451.9	1432.3	1427.1	1438.9
172.5°	1449.4	1457.1	1438.5	1431.5	1440.7
175°	1456.4	1463.9	1444.4	1436.8	1441.1
177.5°	1458.4	1464.4	1448.8	1442.0	1452.3
180°	1453.1	1453.1	1453.1	1453.1	1453.1



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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	18.77	19.66	19.68	20.59	21.79	17.69	18.58	18.60	19.52	20.71
	3H	20.44	21.24	21.36	22.18	23.40	19.10	19.91	20.03	20.85	22.07
	4H	21.07	21.83	22.01	22.77	24.00	19.62	20.38	20.56	21.33	22.56
	6H	21.45	22.15	22.41	23.11	24.35	19.94	20.64	20.90	21.59	22.84
	8H	21.59	22.26	22.55	23.23	24.47	20.07	20.73	21.03	21.70	22.94
	12H	21.66	22.29	22.63	23.26	24.52	20.14	20.78	21.11	21.74	23.01
4H	2H	19.18	19.94	20.13	20.88	22.12	18.32	19.08	19.27	20.03	21.26
	3H	21.07	21.70	22.03	22.68	23.93	19.94	20.57	20.90	21.55	22.80
	4H	21.82	22.40	22.79	23.37	24.64	20.55	21.13	21.52	22.10	23.37
	6H	22.33	22.82	23.30	23.82	25.09	20.96	21.46	21.94	22.46	23.72
	8H	22.52	22.98	23.50	23.97	25.25	21.14	21.60	22.12	22.59	23.87
	12H	22.62	23.04	23.62	24.04	25.33	21.24	21.66	22.24	22.67	23.95
8H	4H	21.95	22.42	22.93	23.41	24.69	20.81	21.28	21.80	22.27	23.55
	6H	22.57	22.96	23.58	23.99	25.27	21.34	21.73	22.35	22.76	24.04
	8H	22.85	23.19	23.86	24.21	25.51	21.60	21.94	22.61	22.95	24.25
	12H	23.02	23.31	24.03	24.32	25.67	21.77	22.07	22.79	23.08	24.43
12H	4H	21.93	22.35	22.93	23.35	24.64	20.82	21.24	21.82	22.24	23.53
	6H	22.59	22.93	23.61	23.95	25.25	21.40	21.74	22.42	22.76	24.06
	8H	22.89	23.19	23.91	24.20	25.55	21.69	21.98	22.70	22.99	24.34