

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: P1439259

Luminaire Tested: CB3-085U-120D-830-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439259
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

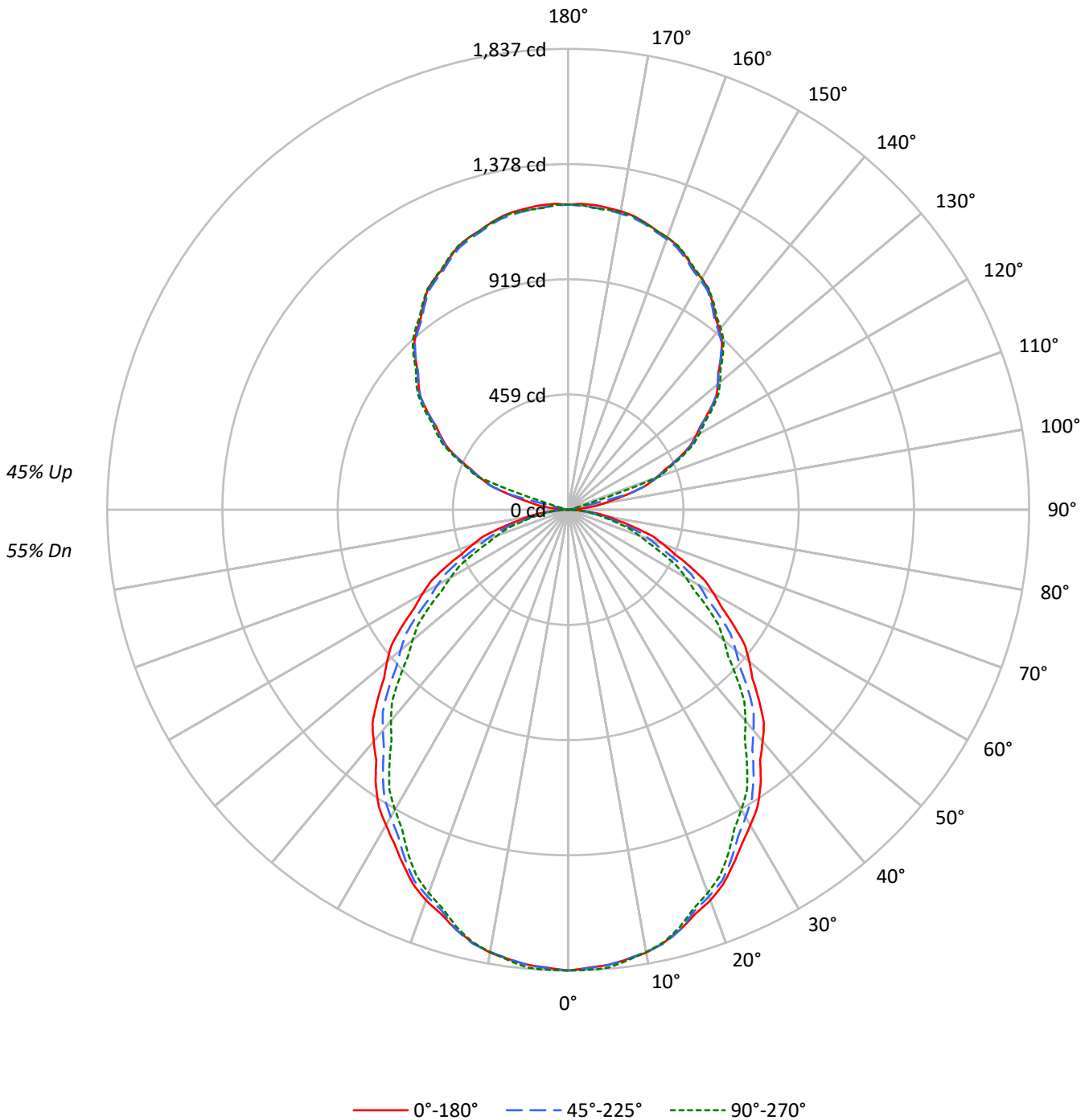
Lumens per Lamp: N/A
Luminaire Lumens: 7987.9 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

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: P1439259

CATALOG NUMBER: CB3-085U-120D-830-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	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°	20786	20786	20786
5°	20688	20703	20821
10°	20598	20568	20568
15°	20281	20281	20159
20°	19953	19748	19576
25°	19449	19205	18862
30°	18973	18479	18036
35°	18473	17788	17158
40°	17807	16959	16226
45°	17203	16222	15220
50°	16583	15342	14240
55°	15907	14491	13307
60°	15177	13611	12254
65°	14323	12610	11143
70°	13339	11440	9928
75°	12092	10037	8839
80°	10543	8418	7819
85°	8127	7114	7114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17203 cd/sqm



TEST NUMBER: P1439259

CATALOG NUMBER: CB3-085U-120D-830-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.3	2.2
10°-20°	487.0	6.1
20°-30°	707.5	8.9
30°-40°	804.4	10.1
40°-50°	780.9	9.8
50°-60°	659.3	8.3
60°-70°	469.1	5.9
70°-80°	250.6	3.1
80°-90°	66.2	0.8
90°-100°	28.1	0.4
100°-110°	203.4	2.5
110°-120°	483.6	6.1
120°-130°	617.8	7.7
130°-140°	666.4	8.3
140°-150°	628.3	7.9
150°-160°	512.5	6.4
160°-170°	333.9	4.2
170°-180°	115.4	1.4
0°-30°	1367.8	17.1
0°-40°	2172.2	27.2
0°-60°	3612.4	45.2
0°-90°	4398.4	55.1
90°-120°	715.1	9.0
90°-150°	2627.6	32.9
90°-180°	3590.0	44.9
0°-180°	7987.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1837	1837	1837	1837	1837	
5°	1822	1844	1823	1820	1833	173
15°	1731	1747	1731	1721	1721	488
25°	1558	1563	1538	1517	1511	718
35°	1337	1325	1288	1250	1242	833
45°	1075	1059	1014	965	951	829
55°	806	785	735	687	675	721
65°	535	516	471	429	416	530
75°	277	261	230	206	202	295
85°	63	58	55	55	55	74
90°	0	0	0	1	0	4
95°	51	9	12	13	13	63
105°	258	261	265	19	20	272
115°	483	487	488	495	498	476
125°	686	691	689	697	701	613
135°	862	867	860	866	872	664
145°	1004	1010	997	1004	1009	628
155°	1112	1121	1105	1108	1116	513
165°	1185	1191	1179	1175	1183	335
175°	1219	1225	1209	1203	1206	116
180°	1216	1216	1216	1216	1216	

TEST NUMBER: P1439259

CATALOG NUMBER: CB3-085U-120D-830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1837.1	1837.1	1837.1	1837.1	1837.1
2.5°	1827.7	1846.1	1829.8	1832.0	1836.1
5°	1821.5	1844.4	1822.8	1820.5	1833.2
7.5°	1807.4	1828.3	1805.8	1800.6	1812.1
10°	1792.8	1815.7	1790.2	1783.8	1790.2
12.5°	1766.7	1790.7	1770.3	1759.8	1765.1
15°	1731.4	1746.8	1731.4	1721.0	1721.0
17.5°	1688.4	1704.5	1675.6	1668.2	1665.4
20°	1657.1	1671.1	1640.1	1629.6	1625.8
22.5°	1615.3	1628.3	1602.5	1584.7	1579.8
25°	1557.9	1563.0	1538.3	1517.3	1510.9
27.5°	1500.2	1501.5	1467.6	1442.1	1433.7
30°	1452.2	1453.5	1414.4	1386.8	1380.5
32.5°	1404.2	1400.4	1363.2	1330.5	1326.2
35°	1337.4	1324.6	1287.8	1249.8	1242.2
37.5°	1256.8	1249.1	1205.6	1167.5	1156.0
40°	1205.6	1192.9	1148.2	1110.1	1098.6
42.5°	1154.5	1139.7	1093.9	1051.6	1039.1
45°	1075.1	1058.6	1013.8	965.2	951.2
47.5°	995.3	977.2	928.0	880.9	865.3
50°	942.1	922.9	871.6	825.6	809.0
52.5°	887.8	867.6	816.3	769.3	755.7
55°	806.4	784.7	734.6	687.3	674.6
57.5°	724.9	703.5	653.7	609.0	593.7
60°	670.7	650.2	601.5	556.8	541.5
62.5°	615.3	595.9	548.3	504.6	490.3
65°	535.0	515.8	471.0	429.0	416.2
67.5°	455.4	439.0	394.8	356.2	346.0
70°	403.2	387.9	345.8	310.3	300.1
72.5°	353.1	336.7	296.7	266.5	259.4
75°	276.6	261.3	229.6	206.1	202.2
77.5°	206.7	194.2	166.8	153.4	151.4
80°	161.8	150.3	129.2	120.0	120.0
82.5°	120.0	110.6	96.8	92.9	92.9
85°	62.6	57.5	54.8	54.8	54.8
87.5°	18.8	18.8	17.7	16.9	16.7
90°	0.0	0.0	0.0	0.9	0.0
92.5°	13.9	5.3	4.4	5.3	5.1
95°	51.3	9.2	11.9	12.8	12.8
97.5°	103.4	101.4	13.9	16.7	16.9
100°	143.0	147.5	14.7	17.4	18.3
102.5°	187.0	190.7	27.1	18.2	19.1
105°	257.6	261.1	264.9	19.3	20.2
107.5°	327.8	330.5	332.9	299.7	112.2
110°	374.0	376.6	377.6	386.8	388.6

TEST NUMBER: P1439259

CATALOG NUMBER: CB3-085U-120D-830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	417.2	420.6	422.4	430.1	433.4
115°	483.0	486.6	487.6	495.0	497.7
117.5°	545.5	549.3	551.0	557.0	561.3
120°	586.6	591.1	592.1	599.5	603.1
122.5°	626.9	632.1	631.7	638.4	643.4
125°	686.5	691.0	689.3	696.7	701.2
127.5°	743.2	745.8	742.1	751.1	754.9
130°	779.1	781.8	777.3	785.6	790.1
132.5°	812.1	816.2	811.0	818.6	823.1
135°	862.5	867.0	859.7	866.3	871.7
137.5°	907.4	912.8	904.1	911.7	916.4
140°	936.7	942.1	931.2	939.6	945.0
142.5°	963.9	970.7	957.6	965.3	971.4
145°	1003.6	1009.9	997.2	1003.8	1009.1
147.5°	1041.4	1046.8	1034.6	1039.3	1043.1
150°	1064.1	1069.5	1055.9	1060.6	1065.1
152.5°	1082.5	1090.0	1076.4	1079.7	1086.3
155°	1111.8	1120.8	1105.4	1108.3	1115.5
157.5°	1138.7	1146.8	1131.4	1133.9	1140.2
160°	1154.9	1162.9	1147.5	1148.6	1154.9
162.5°	1167.3	1174.7	1161.5	1159.6	1167.3
165°	1185.1	1191.4	1178.7	1175.2	1183.3
167.5°	1200.0	1207.1	1191.5	1188.6	1197.8
170°	1208.0	1215.2	1198.9	1194.5	1204.4
172.5°	1213.2	1219.6	1204.0	1198.1	1205.8
175°	1219.0	1225.3	1209.0	1202.6	1206.2
177.5°	1220.7	1225.7	1212.6	1207.0	1215.6
180°	1216.3	1216.3	1216.3	1216.3	1216.3



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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	18.15	19.04	19.06	19.98	21.17	17.07	17.97	17.98	18.90	20.10
	3H	19.82	20.62	20.74	21.56	22.78	18.49	19.29	19.41	20.23	21.45
	4H	20.45	21.21	21.39	22.15	23.39	19.00	19.76	19.95	20.71	21.94
	6H	20.84	21.54	21.79	22.49	23.73	19.32	20.02	20.28	20.98	22.22
	8H	20.97	21.64	21.93	22.61	23.85	19.45	20.11	20.41	21.08	22.33
	12H	21.04	21.68	22.01	22.64	23.91	19.53	20.16	20.49	21.12	22.39
4H	2H	18.56	19.32	19.51	20.27	21.50	17.70	18.46	18.65	19.41	20.64
	3H	20.45	21.09	21.41	22.06	23.31	19.32	19.96	20.28	20.93	22.18
	4H	21.20	21.78	22.17	22.75	24.02	19.93	20.51	20.90	21.48	22.75
	6H	21.71	22.20	22.69	23.20	24.47	20.35	20.84	21.33	21.84	23.11
	8H	21.90	22.36	22.88	23.35	24.63	20.52	20.98	21.50	21.97	23.25
	12H	22.00	22.42	23.00	23.42	24.71	20.62	21.04	21.62	22.05	23.34
8H	4H	21.34	21.80	22.32	22.79	24.07	20.20	20.66	21.18	21.65	22.93
	6H	21.96	22.34	22.96	23.37	24.65	20.73	21.11	21.73	22.14	23.42
	8H	22.23	22.57	23.25	23.59	24.89	20.98	21.32	21.99	22.33	23.63
	12H	22.40	22.70	23.42	23.71	25.05	21.16	21.45	22.17	22.47	23.81
12H	4H	21.31	21.73	22.31	22.73	24.02	20.20	20.62	21.20	21.62	22.91
	6H	21.97	22.31	22.99	23.33	24.63	20.78	21.12	21.80	22.14	23.44
	8H	22.27	22.57	23.29	23.58	24.93	21.07	21.37	22.08	22.38	23.72