

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: P1438745

Luminaire Tested: CB2-085U-120D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438745
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: CB2-085U-120D-927-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

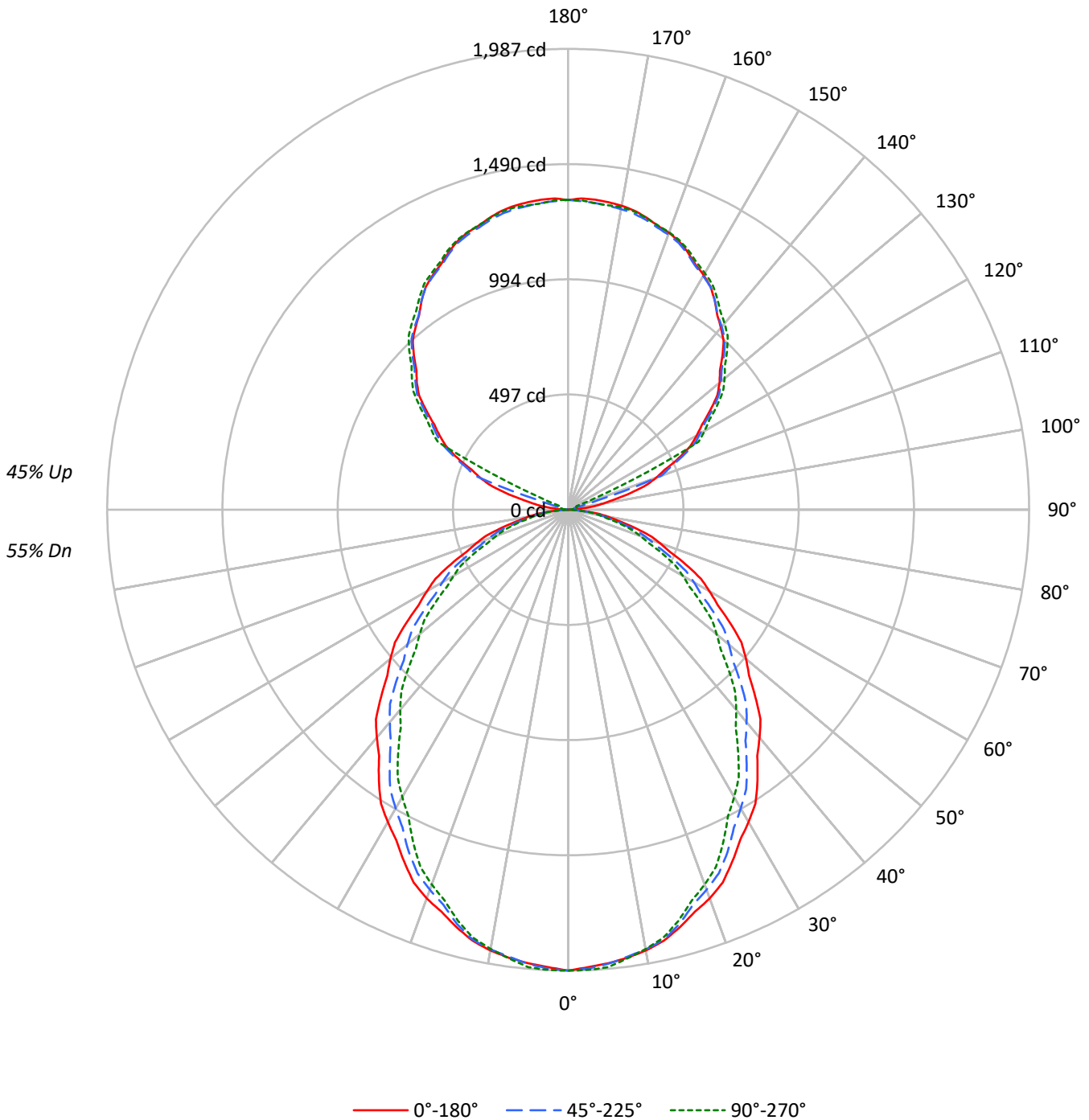
Lumens per Lamp: N/A
Luminaire Lumens: 8442.2 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 67.8
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										
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	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	87	92	88	85	82	76	73	71	64	63	61	54	53	52	47																				
2	90	83	77	72	84	77	72	67	67	63	59	57	54	51	48	46	44	39																				
3	83	73	66	60	76	68	62	57	59	54	50	50	47	44	42	40	37	34																				
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	32	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	33	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°	34613	34613	34613
5°	34321	34373	34613
10°	34125	34044	34017
15°	33584	33366	33090
20°	33056	32322	31871
25°	32167	31262	30384
30°	31276	29900	28768
35°	30252	28505	27146
40°	29167	27193	25602
45°	28073	25824	24100
50°	27088	24493	22636
55°	25875	23103	21256
60°	24489	21786	19877
65°	23017	20318	18500
70°	21388	18674	16739
75°	19455	16898	15155
80°	17402	14805	13741
85°	13389	12170	10032

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 28073 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.9	2.2
10°-20°	520.9	6.2
20°-30°	749.0	8.9
30°-40°	841.9	10.0
40°-50°	813.3	9.6
50°-60°	687.2	8.1
60°-70°	493.6	5.8
70°-80°	269.8	3.2
80°-90°	71.7	0.8
90°-100°	23.3	0.3
100°-110°	148.1	1.8
110°-120°	470.6	5.6
120°-130°	683.0	8.1
130°-140°	734.5	8.7
140°-150°	691.6	8.2
150°-160°	563.4	6.7
160°-170°	366.7	4.3
170°-180°	126.8	1.5
0°-30°	1456.9	17.3
0°-40°	2298.8	27.2
0°-60°	3799.2	45.0
0°-90°	4634.3	54.9
90°-120°	642.0	7.6
90°-150°	2751.1	32.6
90°-180°	3808.0	45.1
0°-180°	8442.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1987	1987	1987	1987	1987	
5°	1963	1990	1966	1966	1980	186
15°	1862	1879	1850	1832	1835	525
25°	1674	1675	1627	1590	1581	771
35°	1423	1406	1341	1289	1277	889
45°	1140	1116	1048	993	978	881
55°	852	821	761	713	700	762
65°	558	538	493	458	449	554
75°	289	271	251	231	225	309
85°	67	62	61	53	50	80
90°	0	0	0	1	1	5
95°	53	15	16	11	10	67
105°	278	288	29	34	36	293
115°	526	538	543	549	315	517
125°	747	761	761	774	784	668
135°	940	952	950	956	968	725
145°	1101	1109	1102	1103	1117	688
155°	1222	1230	1217	1214	1231	564
165°	1304	1307	1294	1288	1302	368
175°	1342	1345	1328	1319	1326	128
180°	1336	1336	1336	1336	1336	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1987.3	1987.3	1987.3	1987.3	1987.3
2.5°	1973.9	1997.7	1980.0	1982.5	1986.1
5°	1963.0	1989.7	1966.0	1966.3	1979.7
7.5°	1949.0	1974.3	1944.4	1938.9	1951.4
10°	1929.5	1954.8	1924.9	1914.5	1923.4
12.5°	1903.9	1928.0	1899.4	1882.8	1890.5
15°	1862.5	1878.9	1850.4	1832.2	1835.1
17.5°	1817.5	1827.6	1786.4	1771.2	1768.2
20°	1783.4	1792.3	1743.8	1722.5	1719.5
22.5°	1739.6	1747.3	1696.4	1670.1	1665.9
25°	1673.8	1675.3	1626.7	1589.9	1581.0
27.5°	1605.1	1600.3	1546.3	1502.8	1491.2
30°	1555.1	1549.2	1486.7	1440.8	1430.4
32.5°	1501.6	1490.9	1428.2	1378.7	1368.3
35°	1422.8	1406.4	1340.6	1288.6	1276.7
37.5°	1338.8	1320.3	1255.7	1199.1	1185.7
40°	1282.8	1261.9	1196.0	1139.4	1126.0
42.5°	1226.8	1203.6	1136.4	1079.8	1065.2
45°	1139.7	1115.9	1048.4	993.3	978.4
47.5°	1057.0	1026.6	961.1	906.3	891.4
50°	999.7	967.0	903.9	850.3	835.4
52.5°	941.3	907.4	846.7	795.5	780.6
55°	852.1	820.9	760.8	713.4	700.0
57.5°	763.9	733.8	679.0	633.6	620.5
60°	703.0	677.7	625.4	582.5	570.6
62.5°	644.6	621.7	571.8	532.6	520.7
65°	558.5	537.6	493.0	457.8	448.9
67.5°	474.8	453.9	417.9	386.3	376.2
70°	420.0	399.2	366.7	337.6	328.7
72.5°	367.6	345.6	319.2	292.6	286.1
75°	289.1	271.3	251.1	231.2	225.2
77.5°	219.7	202.5	187.8	173.7	172.3
80°	173.5	158.6	147.6	138.4	137.0
82.5°	129.6	118.3	111.1	104.4	104.1
85°	67.0	62.5	60.9	53.2	50.2
87.5°	19.5	19.5	17.0	14.8	14.8
90°	0.0	0.0	0.0	1.0	1.0
92.5°	14.7	5.6	3.9	5.6	5.6
95°	53.1	15.3	16.4	10.6	9.7
97.5°	110.3	24.7	23.8	26.1	27.0
100°	153.5	50.6	26.1	30.0	30.9
102.5°	201.4	190.7	26.8	32.3	34.0
105°	278.1	288.5	29.0	33.8	35.7
107.5°	353.4	363.8	134.8	35.0	36.9
110°	403.6	414.0	426.8	35.8	37.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	450.8	463.4	473.2	79.6	39.2
115°	526.3	537.6	542.7	549.0	314.8
117.5°	592.9	606.9	612.6	623.5	634.0
120°	639.3	652.5	656.6	667.5	678.8
122.5°	684.8	696.5	699.1	711.5	722.1
125°	747.4	760.6	760.9	773.7	784.1
127.5°	810.0	821.3	820.8	830.3	841.8
130°	851.7	859.2	859.4	867.4	879.7
132.5°	886.5	897.0	897.3	903.7	916.0
135°	940.5	951.9	950.2	956.3	968.5
137.5°	991.3	1002.3	999.2	1004.4	1017.0
140°	1024.5	1034.0	1029.4	1034.5	1048.7
142.5°	1055.4	1064.9	1058.0	1062.4	1077.3
145°	1100.8	1109.3	1101.8	1103.1	1117.2
147.5°	1141.2	1149.5	1140.4	1141.7	1154.9
150°	1167.5	1175.0	1163.6	1164.9	1178.1
152.5°	1190.6	1197.4	1185.2	1185.0	1200.5
155°	1222.5	1230.1	1216.7	1214.2	1231.2
157.5°	1251.5	1258.5	1245.1	1243.3	1256.5
160°	1270.8	1275.5	1262.1	1259.5	1272.7
162.5°	1283.9	1289.4	1276.0	1271.9	1285.1
165°	1303.6	1307.4	1294.0	1288.5	1301.7
167.5°	1320.6	1325.0	1307.7	1302.8	1316.9
170°	1330.7	1333.5	1316.2	1309.7	1323.9
172.5°	1336.8	1338.9	1321.6	1314.3	1323.9
175°	1342.2	1345.1	1327.8	1319.2	1325.8
177.5°	1343.2	1344.7	1331.6	1324.2	1335.5
180°	1335.5	1335.5	1335.5	1335.5	1335.5



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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	19.76	20.65	20.67	21.58	22.78	18.66	19.55	19.57	20.48	21.68
	3H	21.40	22.21	22.33	23.15	24.37	20.19	20.99	21.12	21.93	23.16
	4H	22.03	22.79	22.98	23.74	24.97	20.76	21.52	21.70	22.47	23.70
	6H	22.44	23.14	23.39	24.09	25.34	21.14	21.83	22.09	22.79	24.03
	8H	22.59	23.25	23.55	24.22	25.47	21.28	21.94	22.24	22.91	24.16
	12H	22.66	23.30	23.63	24.26	25.53	21.34	21.97	22.31	22.94	24.21
4H	2H	20.17	20.93	21.12	21.87	23.11	19.29	20.05	20.24	21.00	22.23
	3H	22.04	22.67	23.00	23.65	24.90	21.03	21.66	21.99	22.64	23.89
	4H	22.79	23.37	23.76	24.34	25.61	21.71	22.29	22.68	23.26	24.53
	6H	23.31	23.81	24.29	24.80	26.07	22.19	22.68	23.17	23.68	24.95
	8H	23.52	23.98	24.50	24.97	26.25	22.38	22.84	23.36	23.83	25.11
	12H	23.62	24.04	24.63	25.05	26.34	22.47	22.88	23.47	23.89	25.18
8H	4H	22.95	23.41	23.93	24.40	25.69	21.98	22.45	22.97	23.44	24.72
	6H	23.59	23.98	24.60	25.01	26.29	22.59	22.97	23.60	24.00	25.29
	8H	23.88	24.22	24.90	25.24	26.54	22.87	23.20	23.88	24.22	25.52
	12H	24.06	24.36	25.08	25.37	26.72	23.02	23.31	24.04	24.33	25.67
12H	4H	22.93	23.35	23.93	24.35	25.64	21.99	22.41	22.99	23.41	24.70
	6H	23.62	23.96	24.64	24.98	26.28	22.65	22.99	23.67	24.01	25.31
	8H	23.94	24.24	24.96	25.25	26.60	22.96	23.26	23.98	24.27	25.62