

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: P1439069

Luminaire Tested: CB2-D-085U-120D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439069
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-085U-120D-935-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

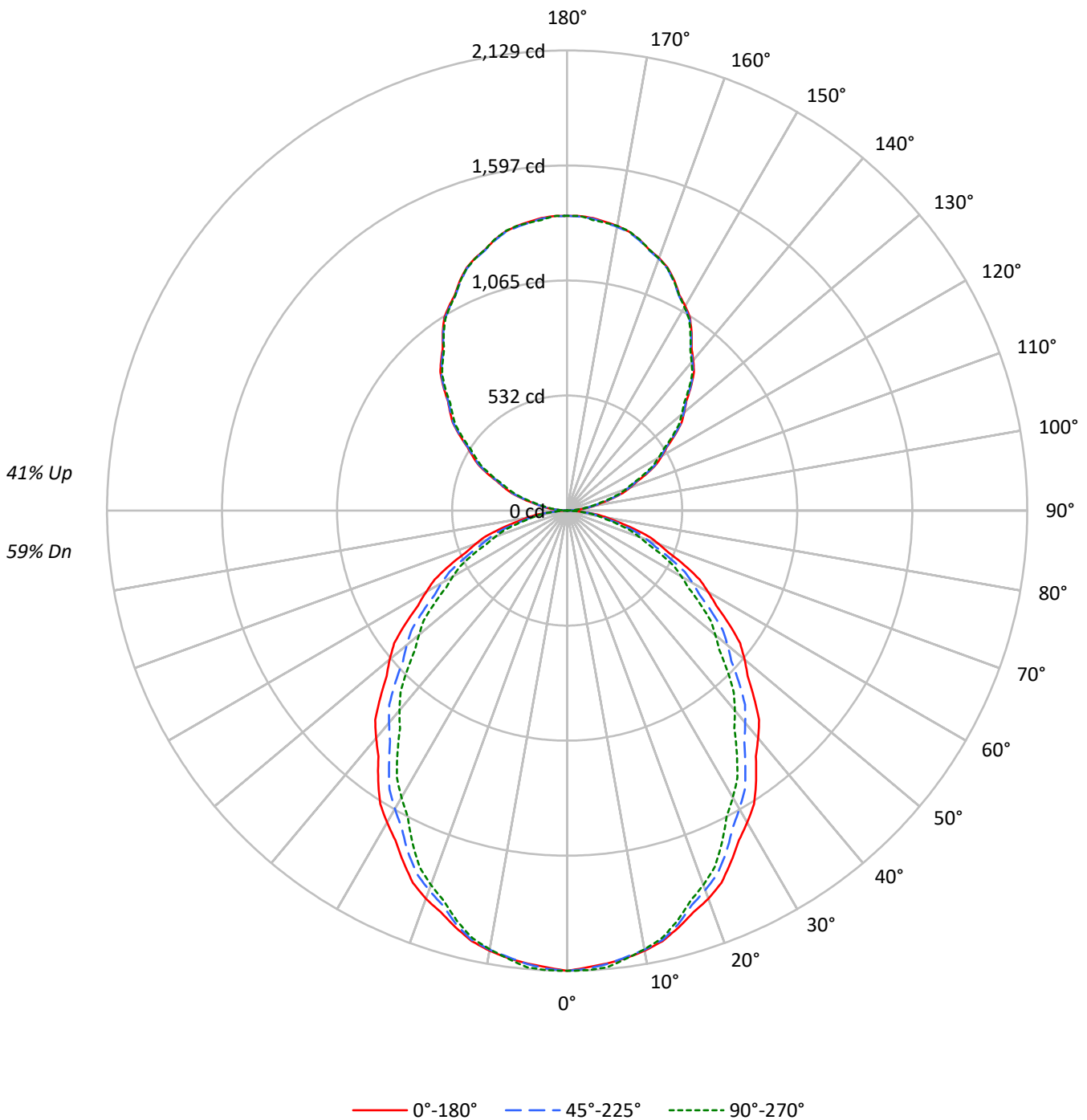
Lumens per Lamp: N/A
Luminaire Lumens: 8444.1 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: General Diffuse

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

TEST NUMBER: P1439069

CATALOG NUMBER: CB2-D-085U-120D-935-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P1439069

CATALOG NUMBER: CB2-D-085U-120D-935-1D-UNV-STD-W-4

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	50	30	10	50	30	10	0																
RCR																																														
0	109	109	109	109	102	102	102	102	88	88	88	76	76	76	64	64	64	59																												
1	100	96	92	88	93	89	86	83	78	75	73	67	65	64	57	56	55	50																												
2	91	84	78	73	85	78	73	69	68	64	61	59	56	53	51	48	46	42																												
3	83	74	67	61	78	69	63	58	61	56	51	52	49	45	45	42	40	36																												
4	76	66	58	52	71	62	54	49	54	48	44	47	43	39	40	37	34	31																												
5	70	59	50	44	65	55	48	42	48	43	38	42	38	34	36	33	30	27																												
6	65	53	45	39	60	50	42	37	44	38	33	38	34	30	33	30	27	24																												
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	30	27	24	21																												
8	56	43	36	30	52	41	34	29	36	31	26	32	27	24	28	24	21	19																												
9	52	40	32	27	49	38	31	26	33	28	24	30	25	22	26	22	19	17																												
10	49	37	29	24	46	35	28	23	31	25	22	27	23	20	24	20	18	16																												

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37088	37088	37088
5°	36776	36832	37089
10°	36566	36479	36451
15°	35986	35752	35458
20°	35421	34635	34151
25°	34469	33497	32557
30°	33514	32038	30825
35°	32415	30544	29087
40°	31252	29139	27434
45°	30080	27671	25824
50°	29026	26243	24254
55°	27727	24758	22775
60°	26241	23343	21298
65°	24662	21773	19823
70°	22916	20013	17936
75°	20848	18102	16238
80°	18646	15868	14714
85°	14329	13030	10751

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30080 cd/sqm



TEST NUMBER: P1439069

CATALOG NUMBER: CB2-D-085U-120D-935-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.2	2.4
10°-20°	558.2	6.6
20°-30°	802.6	9.5
30°-40°	902.1	10.7
40°-50°	871.4	10.3
50°-60°	736.3	8.7
60°-70°	528.9	6.3
70°-80°	289.1	3.4
80°-90°	76.8	0.9
90°-100°	52.7	0.6
100°-110°	217.3	2.6
110°-120°	394.5	4.7
120°-130°	536.8	6.4
130°-140°	619.7	7.3
140°-150°	624.4	7.4
150°-160°	538.9	6.4
160°-170°	365.2	4.3
170°-180°	128.8	1.5
0°-30°	1561.1	18.5
0°-40°	2463.2	29.2
0°-60°	4070.9	48.2
0°-90°	4965.7	58.8
90°-120°	664.5	7.9
90°-150°	2445.4	29.0
90°-180°	3478.0	41.2
0°-180°	8444.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2129	2129	2129	2129	2129	
5°	2103	2132	2107	2107	2121	200
15°	1996	2013	1983	1963	1966	563
25°	1794	1795	1743	1704	1694	826
35°	1524	1507	1436	1381	1368	952
45°	1221	1196	1123	1064	1048	944
55°	913	880	815	764	750	816
65°	598	576	528	491	481	593
75°	310	291	269	248	241	331
85°	72	67	65	57	54	85
90°	0	0	1	0	1	5
95°	51	45	43	33	33	59
105°	215	212	206	195	193	228
115°	408	408	400	388	387	403
125°	608	614	601	588	589	542
135°	810	819	805	791	796	623
145°	1003	1015	999	987	995	627
155°	1173	1185	1168	1161	1170	540
165°	1297	1310	1294	1286	1298	365
175°	1359	1373	1355	1347	1350	129
180°	1364	1364	1364	1364	1364	

TEST NUMBER: P1439069

CATALOG NUMBER: CB2-D-085U-120D-935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2129.4	2129.4	2129.4	2129.4	2129.4
2.5°	2115.1	2140.6	2121.6	2124.3	2128.1
5°	2103.4	2132.1	2106.6	2106.9	2121.3
7.5°	2088.4	2115.5	2083.5	2077.6	2091.0
10°	2067.5	2094.6	2062.6	2051.4	2061.0
12.5°	2040.1	2065.9	2035.2	2017.5	2025.7
15°	1995.7	2013.3	1982.7	1963.2	1966.4
17.5°	1947.5	1958.3	1914.2	1897.8	1894.6
20°	1911.0	1920.5	1868.6	1845.7	1842.5
22.5°	1864.0	1872.3	1817.7	1789.5	1785.1
25°	1793.6	1795.2	1743.0	1703.7	1694.1
27.5°	1719.9	1714.8	1656.9	1610.3	1597.9
30°	1666.4	1660.0	1593.0	1543.8	1532.7
32.5°	1609.0	1597.5	1530.4	1477.3	1466.2
35°	1524.5	1507.0	1436.5	1380.7	1368.0
37.5°	1434.5	1414.8	1345.5	1284.8	1270.5
40°	1374.5	1352.2	1281.6	1220.9	1206.6
42.5°	1314.5	1289.6	1217.7	1157.0	1141.4
45°	1221.2	1195.7	1123.4	1064.4	1048.4
47.5°	1132.5	1100.0	1029.8	971.1	955.2
50°	1071.2	1036.2	968.5	911.1	895.1
52.5°	1008.6	972.3	907.2	852.4	836.4
55°	913.1	879.6	815.3	764.4	750.0
57.5°	818.5	786.3	727.5	679.0	664.9
60°	753.3	726.2	670.1	624.2	611.4
62.5°	690.7	666.1	612.7	570.7	558.0
65°	598.4	576.1	528.3	490.6	481.0
67.5°	508.7	486.4	447.7	413.9	403.1
70°	450.0	427.7	393.0	361.8	352.2
72.5°	393.9	370.3	342.1	313.6	306.5
75°	309.8	290.7	269.0	247.7	241.3
77.5°	235.4	217.0	201.2	186.2	184.6
80°	185.9	169.9	158.2	148.3	146.7
82.5°	138.9	126.8	119.0	111.8	111.5
85°	71.7	67.0	65.2	57.0	53.8
87.5°	20.9	20.9	18.5	15.7	15.9
90°	0.0	0.0	1.1	0.0	1.1
92.5°	12.8	11.1	10.4	6.8	7.9
95°	51.1	44.8	42.6	33.0	33.0
97.5°	96.4	90.1	86.8	77.0	74.9
100°	128.7	122.5	119.2	108.5	106.4
102.5°	161.9	159.0	153.2	141.7	139.6
105°	214.9	211.8	206.4	194.6	192.6
107.5°	269.4	270.0	261.9	252.3	249.4
110°	308.5	307.5	301.1	291.5	289.4



TEST NUMBER: P1439069

CATALOG NUMBER: CB2-D-085U-120D-935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	348.5	346.6	340.2	330.6	328.5
115°	408.5	407.5	400.0	388.3	387.2
117.5°	465.5	468.9	460.0	447.7	447.2
120°	506.4	510.6	500.0	489.3	487.3
122.5°	546.4	551.4	540.9	528.5	529.0
125°	607.5	613.7	601.1	588.3	589.4
127.5°	666.4	674.1	662.4	649.4	650.7
130°	706.4	715.8	703.2	689.4	691.5
132.5°	747.3	756.6	744.1	729.5	733.2
135°	809.6	819.0	805.3	790.6	795.8
137.5°	868.3	877.7	862.8	850.4	856.6
140°	907.5	916.8	901.1	889.5	895.8
142.5°	945.8	956.8	940.2	927.9	935.8
145°	1003.2	1014.7	999.0	987.4	994.7
147.5°	1057.7	1069.1	1053.2	1042.1	1049.6
150°	1092.6	1104.0	1087.3	1077.9	1086.2
152.5°	1124.9	1138.0	1120.5	1111.1	1122.0
155°	1173.4	1184.9	1168.1	1160.9	1170.3
157.5°	1215.6	1228.9	1212.2	1206.0	1213.4
160°	1243.7	1256.1	1239.4	1233.2	1241.5
162.5°	1264.9	1278.2	1262.4	1255.4	1265.4
165°	1296.9	1310.4	1293.7	1286.5	1297.9
167.5°	1322.0	1336.3	1319.4	1312.0	1323.7
170°	1337.3	1350.8	1333.0	1324.8	1337.3
172.5°	1347.5	1361.8	1343.2	1334.9	1343.2
175°	1358.6	1373.1	1355.4	1346.9	1350.0
177.5°	1363.9	1375.5	1361.3	1353.9	1363.9
180°	1363.9	1363.9	1363.9	1363.9	1363.9



TEST NUMBER: P1439069

CATALOG NUMBER: CB2-D-085U-120D-935-1D-UNV-STD-W-4

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	20.33	21.26	21.21	22.16	23.30	19.23	20.17	20.11	21.07	22.21
	3H	21.98	22.82	22.88	23.73	24.89	20.77	21.60	21.66	22.51	23.68
	4H	22.61	23.40	23.52	24.32	25.49	21.34	22.13	22.25	23.05	24.22
	6H	23.02	23.75	23.94	24.67	25.86	21.72	22.45	22.64	23.37	24.56
	8H	23.17	23.86	24.10	24.80	25.99	21.86	22.55	22.79	23.49	24.68
	12H	23.25	23.91	24.18	24.84	26.05	21.93	22.59	22.86	23.52	24.73
4H	2H	20.75	21.54	21.66	22.45	23.63	19.88	20.67	20.79	21.58	22.76
	3H	22.63	23.28	23.55	24.23	25.42	21.62	22.28	22.54	23.22	24.41
	4H	23.38	23.98	24.31	24.92	26.13	22.29	22.89	23.23	23.84	25.05
	6H	23.90	24.42	24.85	25.38	26.60	22.77	23.29	23.72	24.26	25.47
	8H	24.11	24.59	25.06	25.55	26.78	22.96	23.45	23.91	24.41	25.64
	12H	24.21	24.65	25.18	25.63	26.86	23.06	23.49	24.03	24.47	25.70
8H	4H	23.54	24.02	24.49	24.98	26.21	22.57	23.06	23.52	24.02	25.25
	6H	24.18	24.58	25.16	25.58	26.81	23.18	23.58	24.16	24.58	25.81
	8H	24.47	24.83	25.46	25.82	27.06	23.46	23.81	24.44	24.80	26.05
	12H	24.65	24.96	25.64	25.94	27.24	23.61	23.92	24.60	24.90	26.20
12H	4H	23.52	23.96	24.49	24.93	26.17	22.58	23.02	23.55	23.99	25.23
	6H	24.21	24.56	25.20	25.55	26.80	23.24	23.60	24.23	24.59	25.83
	8H	24.53	24.84	25.52	25.82	27.12	23.55	23.86	24.54	24.85	26.14