

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: P1438749

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438749
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-935-1D-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

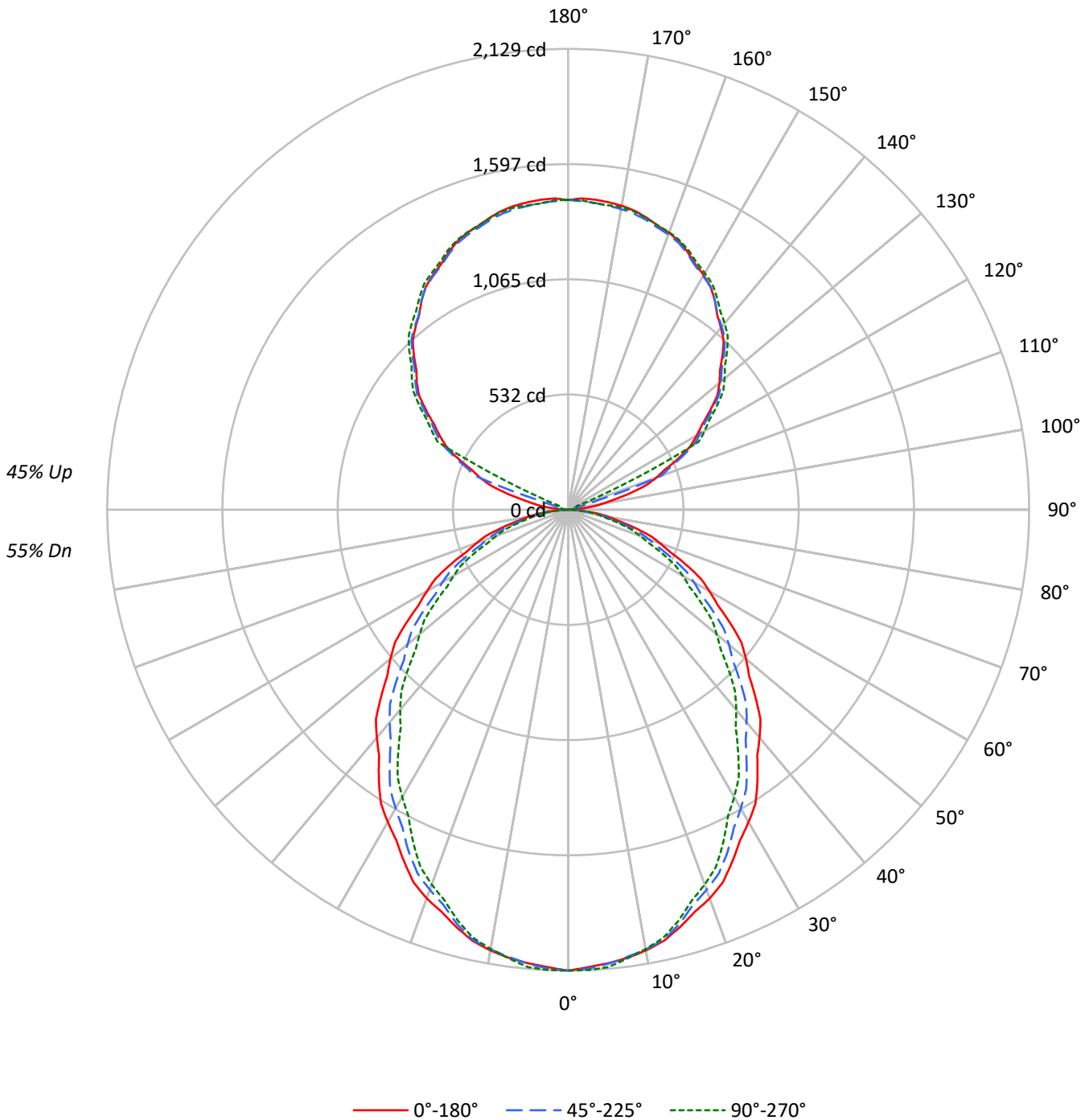
Lumens per Lamp: N/A
Luminaire Lumens: 9046.0 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: General Diffuse

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				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	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°	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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.2	2.2
10°-20°	558.2	6.2
20°-30°	802.6	8.9
30°-40°	902.1	10.0
40°-50°	871.4	9.6
50°-60°	736.3	8.1
60°-70°	528.9	5.8
70°-80°	289.1	3.2
80°-90°	76.8	0.8
90°-100°	24.9	0.3
100°-110°	158.7	1.8
110°-120°	504.3	5.6
120°-130°	731.8	8.1
130°-140°	787.1	8.7
140°-150°	741.0	8.2
150°-160°	603.7	6.7
160°-170°	392.9	4.3
170°-180°	135.8	1.5
0°-30°	1561.1	17.3
0°-40°	2463.2	27.2
0°-60°	4070.9	45.0
0°-90°	4965.7	54.9
90°-120°	687.9	7.6
90°-150°	2947.9	32.6
90°-180°	4080.0	45.1
0°-180°	9046.0	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	0	1	1	5
95°	57	16	18	11	10	72
105°	298	309	31	36	38	314
115°	564	576	582	588	337	554
125°	801	815	815	829	840	716
135°	1008	1020	1018	1025	1038	777
145°	1180	1189	1181	1182	1197	737
155°	1310	1318	1304	1301	1319	604
165°	1397	1401	1386	1381	1395	395
175°	1438	1441	1423	1414	1421	137
180°	1431	1431	1431	1431	1431	

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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	18.3	15.9	15.9
90°	0.0	0.0	0.0	1.0	1.0
92.5°	15.7	6.0	4.1	6.0	6.0
95°	56.9	16.4	17.6	11.4	10.3
97.5°	118.2	26.5	25.5	28.0	29.0
100°	164.5	54.2	27.9	32.1	33.1
102.5°	215.8	204.3	28.8	34.6	36.4
105°	298.0	309.1	31.0	36.3	38.3
107.5°	378.7	389.8	144.4	37.5	39.5
110°	432.5	443.6	457.3	38.3	40.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	483.0	496.6	507.0	85.3	42.0
115°	563.9	576.1	581.5	588.2	337.3
117.5°	635.3	650.3	656.4	668.1	679.4
120°	685.0	699.1	703.6	715.3	727.4
122.5°	733.8	746.4	749.1	762.4	773.8
125°	800.9	815.0	815.3	829.1	840.2
127.5°	867.9	880.1	879.5	889.7	902.1
130°	912.6	920.7	920.9	929.5	942.6
132.5°	949.9	961.2	961.4	968.4	981.5
135°	1007.8	1019.9	1018.2	1024.7	1037.8
137.5°	1062.2	1074.0	1070.7	1076.2	1089.8
140°	1097.8	1107.9	1103.0	1108.5	1123.7
142.5°	1130.9	1141.1	1133.6	1138.3	1154.3
145°	1179.6	1188.7	1180.6	1182.0	1197.2
147.5°	1222.8	1231.7	1222.0	1223.3	1237.5
150°	1251.0	1259.1	1246.8	1248.2	1262.3
152.5°	1275.8	1283.1	1270.0	1269.8	1286.3
155°	1309.9	1318.0	1303.7	1301.0	1319.3
157.5°	1341.0	1348.5	1334.1	1332.2	1346.4
160°	1361.7	1366.7	1352.4	1349.6	1363.7
162.5°	1375.7	1381.6	1367.3	1362.8	1377.0
165°	1396.9	1400.9	1386.5	1380.6	1394.8
167.5°	1415.1	1419.7	1401.2	1396.0	1411.1
170°	1425.8	1428.9	1410.3	1403.4	1418.6
172.5°	1432.4	1434.7	1416.1	1408.3	1418.6
175°	1438.2	1441.3	1422.7	1413.6	1420.7
177.5°	1439.3	1440.9	1426.9	1418.9	1431.0
180°	1431.0	1431.0	1431.0	1431.0	1431.0



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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	20.00	20.89	20.91	21.82	23.02	18.90	19.79	19.81	20.73	21.93
	3H	21.64	22.45	22.57	23.39	24.61	20.43	21.23	21.36	22.17	23.40
	4H	22.27	23.03	23.22	23.98	25.21	21.00	21.76	21.95	22.71	23.94
	6H	22.68	23.38	23.63	24.33	25.58	21.38	22.07	22.33	23.03	24.27
	8H	22.83	23.49	23.79	24.46	25.71	21.52	22.18	22.48	23.15	24.40
	12H	22.90	23.53	23.87	24.50	25.77	21.58	22.21	22.55	23.18	24.45
4H	2H	20.41	21.17	21.36	22.12	23.35	19.54	20.29	20.48	21.24	22.47
	3H	22.28	22.91	23.24	23.89	25.14	21.27	21.91	22.23	22.88	24.13
	4H	23.03	23.61	24.00	24.58	25.85	21.95	22.53	22.92	23.50	24.77
	6H	23.55	24.05	24.53	25.04	26.31	22.43	22.92	23.41	23.92	25.19
	8H	23.76	24.22	24.74	25.21	26.49	22.62	23.08	23.60	24.07	25.35
	12H	23.86	24.28	24.87	25.29	26.58	22.71	23.12	23.71	24.13	25.42
8H	4H	23.19	23.65	24.17	24.64	25.93	22.22	22.69	23.21	23.68	24.96
	6H	23.83	24.22	24.84	25.25	26.53	22.83	23.21	23.84	24.24	25.53
	8H	24.12	24.46	25.14	25.48	26.78	23.11	23.44	24.12	24.46	25.76
	12H	24.30	24.60	25.32	25.61	26.96	23.26	23.55	24.28	24.57	25.91
12H	4H	23.17	23.59	24.17	24.59	25.88	22.23	22.65	23.23	23.65	24.94
	6H	23.86	24.20	24.88	25.22	26.52	22.89	23.23	23.91	24.25	25.55
	8H	24.18	24.48	25.20	25.49	26.84	23.20	23.50	24.22	24.51	25.86