

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: P1438721

Luminaire Tested: CB2-085U-055D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438721  
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-055D-935-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

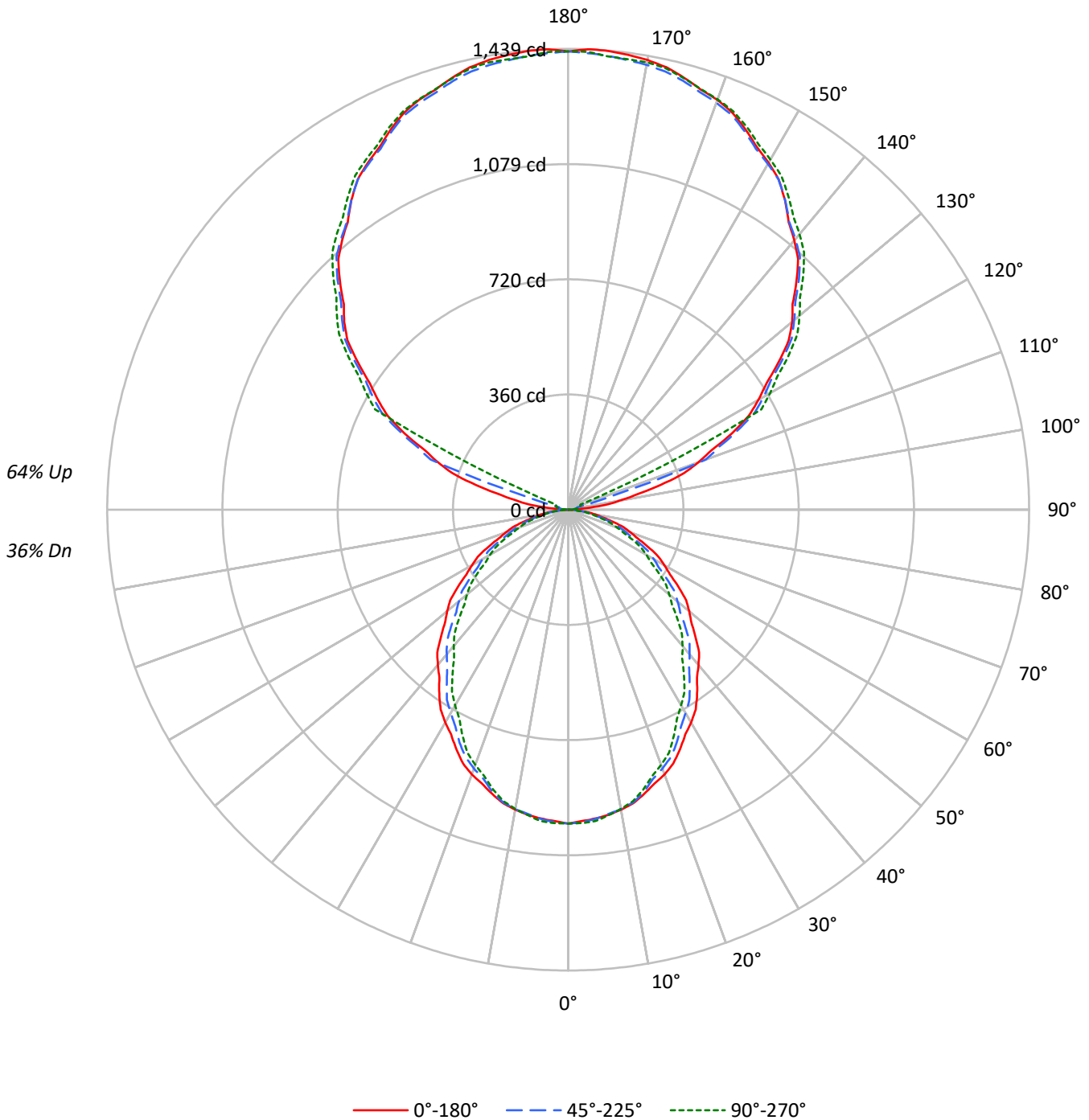
Lumens per Lamp: N/A  
Luminaire Lumens: 6365.7 lumens  
Efficiency: N/A  
Efficacy: 148.0 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 43  
Input Voltage (V): 120  
Input Current (Ain): 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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	43	43	43	36
1	95	91	87	83	86	82	79	76	66	64	62	52	50	49	38	37	37	30
2	86	79	73	68	78	72	67	63	58	55	52	46	43	41	34	32	31	26
3	79	70	63	57	71	63	57	52	51	47	43	40	37	35	30	28	27	22
4	72	62	54	48	65	56	50	44	46	41	37	36	33	30	27	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	32	29	26	24	22	20	17
6	61	49	41	36	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	37	31	51	41	34	29	33	28	25	27	23	20	20	18	16	13
8	52	40	33	28	47	37	30	26	30	25	22	24	21	18	19	16	14	12
9	49	37	29	25	44	34	27	23	28	23	19	22	19	16	17	15	13	11
10	45	34	27	22	41	31	25	20	26	21	17	21	17	15	16	13	12	10

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	17069	17069	17069
5°	16924	16951	17070
10°	16828	16788	16775
15°	16562	16454	16319
20°	16302	15938	15716
25°	15862	15417	14984
30°	15424	14744	14187
35°	14918	14057	13387
40°	14383	13410	12626
45°	13843	12735	11885
50°	13359	12077	11164
55°	12760	11393	10482
60°	12077	10743	9802
65°	11350	10019	9125
70°	10547	9207	8255
75°	9596	8331	7477
80°	8576	7302	6770
85°	6595	5995	4956

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13843 cd/sqm



TEST NUMBER: P1438721

CATALOG NUMBER: CB2-085U-055D-935-1D-UNV-STD-W-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.2	1.4
10°-20°	256.9	4.0
20°-30°	369.4	5.8
30°-40°	415.2	6.5
40°-50°	401.1	6.3
50°-60°	338.9	5.3
60°-70°	243.4	3.8
70°-80°	133.0	2.1
80°-90°	35.4	0.6
90°-100°	24.9	0.4
100°-110°	158.7	2.5
110°-120°	504.3	7.9
120°-130°	731.8	11.5
130°-140°	787.1	12.4
140°-150°	741.0	11.6
150°-160°	603.7	9.5
160°-170°	392.9	6.2
170°-180°	135.8	2.1
0°-30°	718.4	11.3
0°-40°	1133.6	17.8
0°-60°	1873.5	29.4
0°-90°	2285.4	35.9
90°-120°	687.9	10.8
90°-150°	2947.9	46.3
90°-180°	4080.0	64.1
0°-180°	6365.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	980	980	980	980	980	
5°	968	981	970	970	976	92
15°	918	926	912	904	905	259
25°	825	826	802	784	780	380
35°	702	694	661	635	630	438
45°	562	550	517	490	482	434
55°	420	405	375	352	345	376
65°	275	265	243	226	221	273
75°	143	134	124	114	111	153
85°	33	31	30	26	25	39
90°	0	0	0	1	1	3
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	

TEST NUMBER: P1438721

CATALOG NUMBER: CB2-085U-055D-935-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	980.0	980.0	980.0	980.0	980.0
2.5°	973.4	985.1	976.4	977.6	979.4
5°	968.0	981.2	969.5	969.7	976.3
7.5°	961.1	973.6	958.8	956.1	962.3
10°	951.5	964.0	949.2	944.1	948.5
12.5°	938.9	950.8	936.6	928.5	932.3
15°	918.5	926.5	912.5	903.5	905.0
17.5°	896.3	901.3	881.0	873.4	872.0
20°	879.5	883.9	859.9	849.4	847.9
22.5°	857.8	861.7	836.5	823.6	821.5
25°	825.4	826.2	802.2	784.1	779.7
27.5°	791.5	789.2	762.5	741.1	735.4
30°	766.9	764.0	733.1	710.5	705.4
32.5°	740.5	735.2	704.3	679.9	674.8
35°	701.6	693.5	661.1	635.4	629.6
37.5°	660.2	651.1	619.2	591.3	584.7
40°	632.6	622.3	589.8	561.9	555.3
42.5°	605.0	593.5	560.4	532.5	525.3
45°	562.0	550.3	517.0	489.8	482.5
47.5°	521.2	506.3	473.9	446.9	439.6
50°	493.0	476.9	445.7	419.3	412.0
52.5°	464.2	447.5	417.5	392.3	385.0
55°	420.2	404.8	375.2	351.8	345.2
57.5°	376.7	361.9	334.8	312.5	306.0
60°	346.7	334.2	308.4	287.3	281.4
62.5°	317.9	306.6	282.0	262.7	256.8
65°	275.4	265.1	243.1	225.8	221.4
67.5°	234.1	223.8	206.1	190.5	185.5
70°	207.1	196.8	180.8	166.5	162.1
72.5°	181.3	170.4	157.4	144.3	141.1
75°	142.6	133.8	123.8	114.0	111.1
77.5°	108.4	99.8	92.6	85.7	84.9
80°	85.5	78.2	72.8	68.3	67.5
82.5°	63.9	58.4	54.8	51.5	51.3
85°	33.0	30.8	30.0	26.2	24.8
87.5°	9.6	9.6	8.4	7.4	7.4
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



TEST NUMBER: P1438721

CATALOG NUMBER: CB2-085U-055D-935-1D-UNV-STD-W-4

**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	15.39	16.13	16.46	17.20	18.66	14.29	15.03	15.36	16.10	17.56
	3H	17.03	17.69	18.11	18.77	20.25	15.81	16.47	16.89	17.55	19.03
	4H	17.65	18.28	18.74	19.36	20.84	16.38	17.00	17.47	18.09	19.57
	6H	18.04	18.62	19.15	19.71	21.20	16.74	17.32	17.84	18.40	19.90
	8H	18.19	18.74	19.29	19.84	21.33	16.88	17.43	17.98	18.53	20.02
	12H	18.26	18.78	19.37	19.88	21.39	16.94	17.46	18.05	18.55	20.07
4H	2H	15.78	16.41	16.88	17.49	18.98	14.91	15.54	16.01	16.62	18.10
	3H	17.64	18.17	18.75	19.27	20.77	16.63	17.16	17.74	18.27	19.76
	4H	18.38	18.86	19.49	19.96	21.48	17.30	17.78	18.41	18.88	20.40
	6H	18.90	19.31	20.01	20.43	21.94	17.77	18.18	18.89	19.30	20.81
	8H	19.10	19.48	20.21	20.60	22.12	17.96	18.34	19.07	19.46	20.98
	12H	19.20	19.55	20.33	20.67	22.20	18.04	18.39	19.17	19.51	21.05
8H	4H	18.53	18.91	19.65	20.03	21.55	17.57	17.95	18.68	19.06	20.59
	6H	19.17	19.48	20.31	20.64	22.16	18.17	18.48	19.30	19.64	21.16
	8H	19.46	19.73	20.60	20.87	22.41	18.44	18.72	19.58	19.85	21.40
	12H	19.63	19.87	20.77	21.00	22.58	18.58	18.83	19.73	19.96	21.54
12H	4H	18.50	18.85	19.64	19.98	21.51	17.56	17.91	18.70	19.04	20.57
	6H	19.19	19.47	20.34	20.61	22.15	18.23	18.51	19.37	19.64	21.19
	8H	19.51	19.75	20.65	20.88	22.46	18.53	18.77	19.68	19.91	21.48