

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: P1438931

Luminaire Tested: CB2-B-085U-085D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438931
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-B-085U-085D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

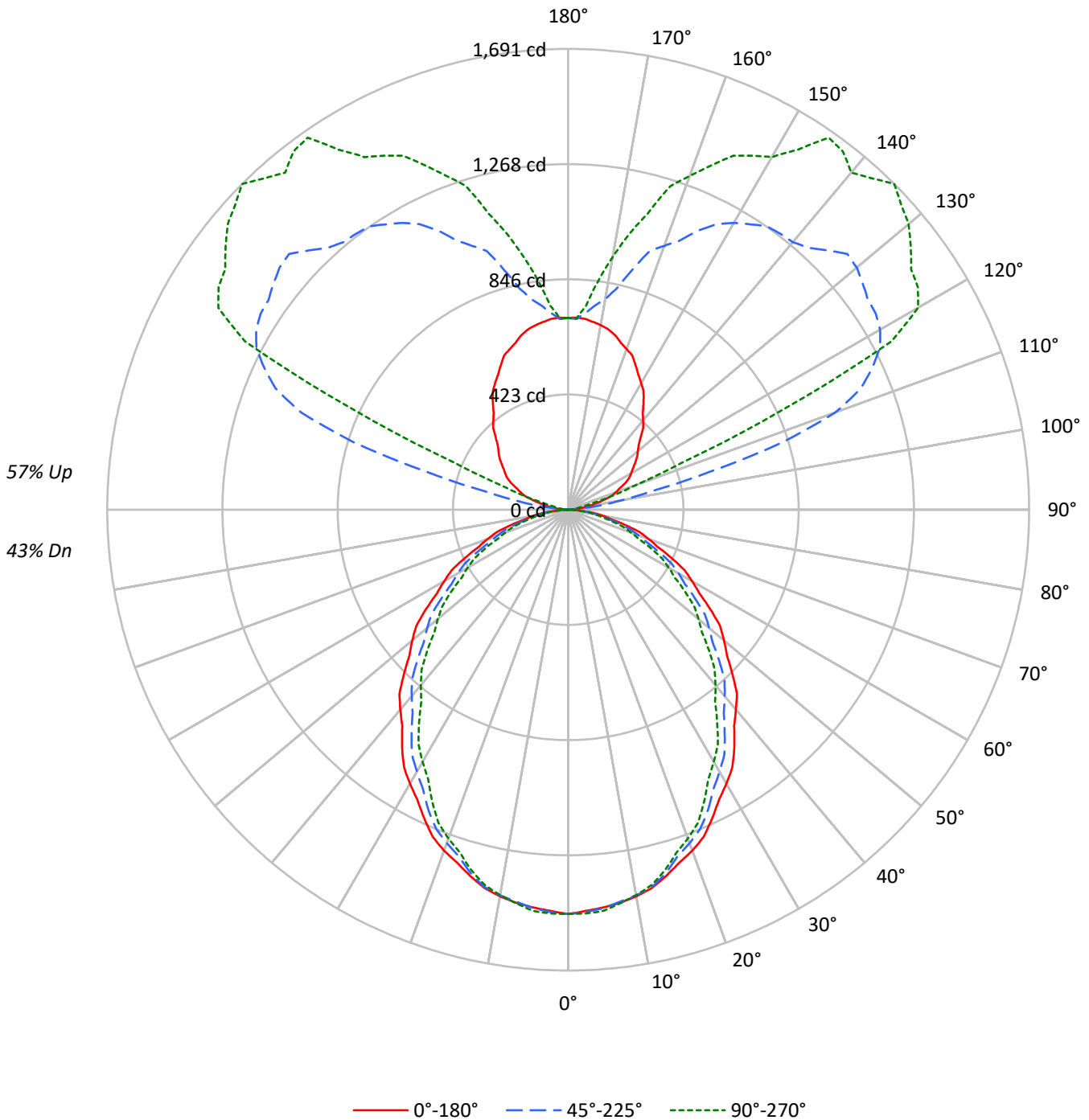
Lumens per Lamp: N/A
Luminaire Lumens: 8078.7 lumens
Efficiency: N/A
Efficacy: 151.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 53.3
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	105	105	105	105	96	96	96	96	79	79	79	64	64	64	50	50	50	43
1	96	92	88	85	88	84	81	78	70	67	65	56	55	53	44	43	42	36
2	88	81	75	70	80	74	69	64	61	58	54	50	47	45	39	37	36	31
3	80	71	64	58	73	65	59	54	54	50	46	44	41	38	35	32	31	26
4	73	63	55	49	67	58	51	46	48	43	39	39	36	33	31	29	26	23
5	67	56	48	42	61	52	45	39	43	38	34	35	31	28	28	25	23	20
6	62	50	42	37	57	46	39	34	39	34	30	32	28	25	25	23	20	17
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	16
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	21	19	16	14
9	50	38	30	25	45	35	28	24	30	24	21	25	21	18	20	17	15	13
10	46	34	27	23	42	32	26	21	27	22	19	23	19	16	18	16	13	12

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25842	25842	25842
5°	25623	25663	25841
10°	25477	25417	25395
15°	25073	24909	24705
20°	24678	24131	23794
25°	24015	23338	22683
30°	23350	22322	21477
35°	22585	21280	20265
40°	21775	20302	19115
45°	20959	19279	17994
50°	20225	18285	16900
55°	19319	17248	15869
60°	18281	16264	14840
65°	17182	15170	13810
70°	15965	13943	12497
75°	14522	12611	11312
80°	12989	11053	10251
85°	9992	9073	7494

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20959 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.5	1.7
10°-20°	388.9	4.8
20°-30°	559.2	6.9
30°-40°	628.5	7.8
40°-50°	607.2	7.5
50°-60°	513.0	6.4
60°-70°	368.5	4.6
70°-80°	201.4	2.5
80°-90°	53.5	0.7
90°-100°	52.7	0.7
100°-110°	326.2	4.0
110°-120°	822.6	10.2
120°-130°	988.8	12.2
130°-140°	896.5	11.1
140°-150°	714.9	8.8
150°-160°	487.7	6.0
160°-170°	257.9	3.2
170°-180°	71.8	0.9
0°-30°	1087.6	13.5
0°-40°	1716.2	21.2
0°-60°	2836.4	35.1
0°-90°	3459.7	42.8
90°-120°	1201.4	14.9
90°-150°	3801.6	47.1
90°-180°	4619.0	57.2
0°-180°	8078.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1484	1484	1484	1484	1484	
5°	1466	1486	1468	1468	1478	139
15°	1390	1403	1381	1368	1370	392
25°	1250	1251	1214	1187	1180	575
35°	1062	1050	1001	962	953	664
45°	851	833	783	742	730	657
55°	636	613	568	533	523	569
65°	417	401	368	342	335	413
75°	216	202	187	173	168	231
85°	50	47	45	40	38	59
90°	0	0	0	0	0	3
95°	27	69	21	15	15	35
105°	133	373	539	135	91	140
115°	230	509	1230	1145	873	226
125°	300	617	1342	1527	1536	269
135°	376	684	1345	1575	1691	292
145°	482	719	1270	1530	1666	301
155°	585	733	1130	1362	1433	269
165°	664	726	912	1074	1124	186
175°	703	712	724	737	751	67
180°	703	703	703	703	703	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1483.7	1483.7	1483.7	1483.7	1483.7
2.5°	1473.7	1491.4	1478.2	1480.1	1482.8
5°	1465.5	1485.5	1467.8	1468.0	1478.0
7.5°	1455.0	1473.9	1451.6	1447.5	1456.8
10°	1440.5	1459.4	1437.1	1429.3	1435.9
12.5°	1421.4	1439.4	1418.0	1405.6	1411.4
15°	1390.5	1402.7	1381.4	1367.8	1370.1
17.5°	1356.9	1364.4	1333.7	1322.3	1320.1
20°	1331.4	1338.1	1301.9	1285.9	1283.7
22.5°	1298.7	1304.5	1266.4	1246.8	1243.7
25°	1249.6	1250.7	1214.4	1187.0	1180.3
27.5°	1198.3	1194.7	1154.4	1122.0	1113.3
30°	1161.0	1156.6	1109.9	1075.6	1067.9
32.5°	1121.0	1113.0	1066.3	1029.3	1021.5
35°	1062.2	1050.0	1000.8	962.0	953.1
37.5°	999.5	985.7	937.5	895.2	885.2
40°	957.7	942.1	892.9	850.7	840.7
42.5°	915.9	898.5	848.4	806.1	795.2
45°	850.9	833.1	782.7	741.6	730.5
47.5°	789.1	766.4	717.5	676.6	665.5
50°	746.4	721.9	674.8	634.8	623.7
52.5°	702.8	677.4	632.1	593.9	582.8
55°	636.2	612.9	568.0	532.6	522.6
57.5°	570.3	547.9	506.9	473.0	463.3
60°	524.8	506.0	466.9	434.9	426.0
62.5°	481.2	464.1	426.9	397.6	388.8
65°	416.9	401.4	368.1	341.8	335.1
67.5°	354.4	338.9	312.0	288.4	280.8
70°	313.5	298.0	273.8	252.0	245.4
72.5°	274.5	258.0	238.3	218.5	213.6
75°	215.8	202.5	187.4	172.6	168.1
77.5°	164.0	151.2	140.2	129.7	128.6
80°	129.5	118.4	110.2	103.4	102.2
82.5°	96.8	88.3	82.9	77.9	77.7
85°	50.0	46.7	45.4	39.7	37.5
87.5°	14.5	14.5	12.7	10.9	10.9
90°	0.0	0.0	0.0	0.0	0.0
92.5°	7.3	12.0	4.8	4.8	4.8
95°	27.3	68.7	21.2	15.1	15.1
97.5°	57.0	164.8	114.5	30.8	26.7
100°	78.8	238.8	196.9	45.2	36.4
102.5°	100.6	303.2	310.9	71.8	55.8
105°	133.3	373.3	539.3	135.3	90.9
107.5°	165.4	419.0	826.6	279.3	168.5
110°	184.8	445.5	1042.3	435.4	260.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	204.2	472.0	1161.1	697.9	449.7
115°	230.3	508.8	1230.2	1145.2	872.6
117.5°	252.1	542.4	1289.6	1416.2	1336.2
120°	266.6	568.8	1321.1	1455.0	1481.7
122.5°	281.2	588.1	1338.0	1470.1	1520.5
125°	300.0	617.0	1342.3	1527.3	1536.2
127.5°	318.8	638.7	1362.3	1579.9	1584.1
130°	333.3	653.3	1381.7	1597.5	1630.1
132.5°	350.3	665.5	1388.9	1607.6	1656.8
135°	375.7	683.8	1345.3	1575.2	1690.7
137.5°	407.8	697.0	1303.5	1574.3	1648.9
140°	427.2	699.8	1281.7	1609.1	1615.0
142.5°	449.0	707.4	1276.8	1605.2	1656.2
145°	481.8	718.8	1269.6	1530.2	1666.5
147.5°	514.5	726.0	1241.7	1447.4	1566.5
150°	536.3	728.9	1215.0	1419.7	1493.8
152.5°	558.1	731.7	1181.1	1402.5	1464.7
155°	584.8	732.9	1130.2	1362.1	1433.2
157.5°	612.7	729.4	1069.0	1288.3	1365.9
160°	627.2	725.0	1030.2	1234.8	1302.9
162.5°	641.8	722.9	996.3	1164.7	1244.7
165°	663.6	725.8	912.0	1073.8	1124.1
167.5°	678.1	723.1	833.2	965.8	1036.9
170°	687.8	723.4	784.8	883.1	942.3
172.5°	695.1	711.7	755.7	807.5	847.8
175°	703.0	711.8	724.2	736.6	751.4
177.5°	705.4	710.1	700.5	698.2	703.0
180°	703.0	703.0	703.0	703.0	703.0



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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	17.60	18.39	18.61	19.41	20.78	16.50	17.29	17.51	18.31	19.68
	3H	19.24	19.94	20.26	20.98	22.37	18.02	18.73	19.05	19.76	21.15
	4H	19.86	20.53	20.90	21.57	22.97	18.59	19.26	19.63	20.30	21.69
	6H	20.26	20.88	21.31	21.92	23.33	18.96	19.57	20.01	20.62	22.03
	8H	20.41	20.99	21.46	22.05	23.46	19.09	19.68	20.15	20.74	22.15
	12H	20.48	21.04	21.54	22.09	23.52	19.15	19.71	20.22	20.76	22.19
4H	2H	18.00	18.67	19.04	19.71	21.10	17.12	17.79	18.17	18.83	20.23
	3H	19.86	20.42	20.92	21.48	22.90	18.85	19.41	19.91	20.48	21.89
	4H	20.60	21.11	21.66	22.17	23.60	19.52	20.03	20.58	21.09	22.52
	6H	21.12	21.56	22.19	22.64	24.07	19.99	20.43	21.06	21.51	22.94
	8H	21.32	21.73	22.39	22.80	24.25	20.18	20.59	21.25	21.66	23.11
	12H	21.42	21.80	22.51	22.88	24.33	20.27	20.64	21.35	21.72	23.17
8H	4H	20.75	21.16	21.82	22.24	23.68	19.79	20.20	20.86	21.27	22.72
	6H	21.39	21.73	22.49	22.85	24.29	20.39	20.73	21.49	21.84	23.29
	8H	21.68	21.98	22.78	23.08	24.54	20.67	20.96	21.77	22.06	23.52
	12H	21.85	22.12	22.96	23.21	24.71	20.81	21.07	21.92	22.17	23.67
12H	4H	20.73	21.10	21.82	22.19	23.64	19.79	20.16	20.88	21.25	22.70
	6H	21.42	21.72	22.52	22.82	24.28	20.45	20.75	21.55	21.85	23.31
	8H	21.73	22.00	22.84	23.09	24.59	20.76	21.02	21.86	22.11	23.61