

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: P1438933

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438933
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-935-1D-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

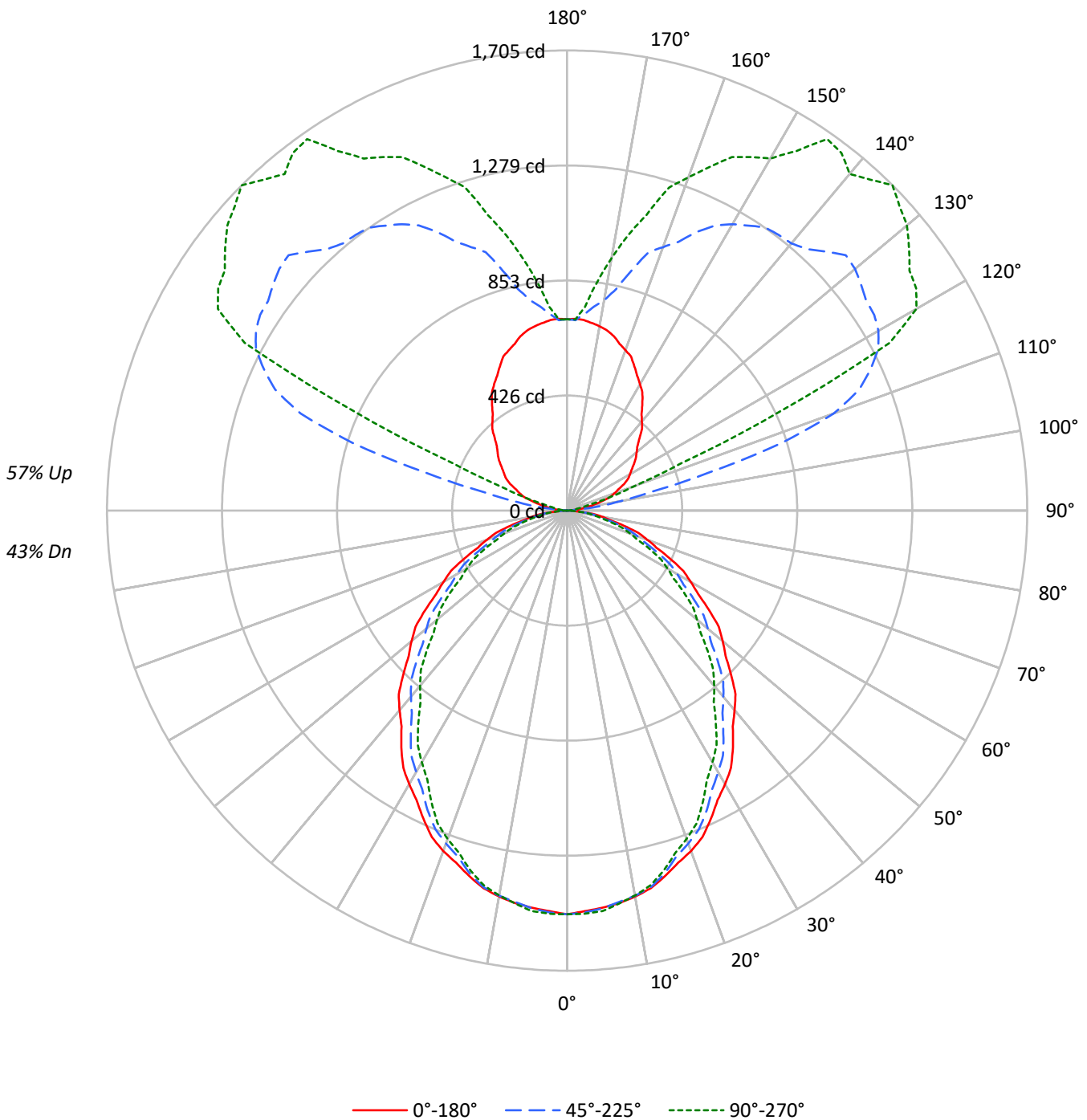
Lumens per Lamp: N/A
Luminaire Lumens: 8145.2 lumens
Efficiency: N/A
Efficacy: 152.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 53.3
Input Voltage (V): 120
Input Current (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									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	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°	26055	26055	26055
5°	25832	25873	26053
10°	25685	25625	25606
15°	25279	25115	24907
20°	24882	24329	23990
25°	24213	23530	22869
30°	23543	22505	21654
35°	22770	21456	20433
40°	21955	20470	19272
45°	21132	19439	18141
50°	20390	18437	17038
55°	19477	17391	16000
60°	18435	16400	14961
65°	17326	15294	13926
70°	16097	14055	12599
75°	14643	12719	11407
80°	13100	11144	10341
85°	10072	9153	7554

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21132 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.7	1.7
10°-20°	392.1	4.8
20°-30°	563.8	6.9
30°-40°	633.7	7.8
40°-50°	612.2	7.5
50°-60°	517.2	6.4
60°-70°	371.5	4.6
70°-80°	203.1	2.5
80°-90°	53.9	0.7
90°-100°	53.1	0.7
100°-110°	328.9	4.0
110°-120°	829.3	10.2
120°-130°	996.9	12.2
130°-140°	903.9	11.1
140°-150°	720.8	8.8
150°-160°	491.7	6.0
160°-170°	260.0	3.2
170°-180°	72.4	0.9
0°-30°	1096.6	13.5
0°-40°	1730.3	21.2
0°-60°	2859.7	35.1
0°-90°	3488.2	42.8
90°-120°	1211.3	14.9
90°-150°	3832.9	47.1
90°-180°	4657.0	57.2
0°-180°	8145.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1496	1496	1496	1496	1496	
5°	1478	1498	1480	1480	1490	140
15°	1402	1414	1393	1379	1381	395
25°	1260	1261	1224	1197	1190	580
35°	1071	1059	1009	970	961	669
45°	858	840	789	748	736	663
55°	641	618	573	537	527	573
65°	420	405	371	345	338	417
75°	218	204	189	174	170	233
85°	50	47	46	40	38	60
90°	0	0	0	0	0	3
95°	28	69	21	15	15	35
105°	134	376	544	136	92	141
115°	232	513	1240	1155	880	228
125°	302	622	1353	1540	1549	271
135°	379	690	1356	1588	1705	294
145°	486	725	1280	1543	1680	304
155°	590	739	1140	1373	1445	271
165°	669	732	920	1083	1133	188
175°	709	718	730	743	758	67
180°	709	709	709	709	709	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1495.9	1495.9	1495.9	1495.9	1495.9
2.5°	1485.8	1503.7	1490.4	1492.3	1494.9
5°	1477.5	1497.7	1479.8	1480.1	1490.1
7.5°	1467.0	1486.0	1463.6	1459.4	1468.8
10°	1452.3	1471.4	1448.9	1441.0	1447.8
12.5°	1433.1	1451.2	1429.7	1417.2	1423.0
15°	1401.9	1414.3	1392.8	1379.1	1381.3
17.5°	1368.0	1375.7	1344.7	1333.2	1330.9
20°	1342.4	1349.1	1312.6	1296.5	1294.3
22.5°	1309.4	1315.2	1276.9	1257.1	1254.0
25°	1259.9	1261.0	1224.4	1196.8	1190.0
27.5°	1208.1	1204.6	1163.9	1131.2	1122.5
30°	1170.6	1166.1	1119.0	1084.5	1076.7
32.5°	1130.3	1122.2	1075.1	1037.8	1029.9
35°	1070.9	1058.6	1009.1	969.9	961.0
37.5°	1007.7	993.8	945.2	902.6	892.5
40°	965.6	949.9	900.3	857.7	847.6
42.5°	923.4	905.9	855.4	812.7	801.8
45°	857.9	840.0	789.2	747.7	736.5
47.5°	795.6	772.7	723.4	682.2	671.0
50°	752.5	727.9	680.4	640.0	628.8
52.5°	708.5	683.0	637.3	598.8	587.6
55°	641.4	617.9	572.7	537.0	526.9
57.5°	575.0	552.4	511.1	476.9	467.1
60°	529.2	510.1	470.8	438.5	429.5
62.5°	485.2	467.9	430.4	400.9	391.9
65°	420.4	404.7	371.1	344.6	337.9
67.5°	357.4	341.7	314.5	290.8	283.1
70°	316.1	300.4	276.0	254.1	247.4
72.5°	276.7	260.1	240.3	220.3	215.3
75°	217.6	204.2	189.0	174.0	169.5
77.5°	165.4	152.4	141.3	130.8	129.7
80°	130.6	119.4	111.1	104.2	103.1
82.5°	97.6	89.1	83.6	78.6	78.3
85°	50.4	47.0	45.8	40.0	37.8
87.5°	14.7	14.7	12.8	11.0	11.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	7.3	12.1	4.9	4.9	4.9
95°	27.5	69.3	21.4	15.3	15.3
97.5°	57.4	166.2	115.5	31.1	26.9
100°	79.4	240.7	198.6	45.6	36.7
102.5°	101.4	305.7	313.4	72.3	56.2
105°	134.4	376.4	543.8	136.5	91.6
107.5°	166.8	422.5	833.4	281.6	169.9
110°	186.4	449.2	1050.9	439.0	262.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	205.9	475.9	1170.6	703.7	453.4
115°	232.2	513.0	1240.3	1154.6	879.8
117.5°	254.2	546.9	1300.2	1427.9	1347.2
120°	268.8	573.5	1331.9	1467.0	1493.9
122.5°	283.5	593.0	1349.1	1482.2	1533.0
125°	302.4	622.1	1353.3	1539.9	1548.8
127.5°	321.4	644.0	1373.5	1592.9	1597.1
130°	336.0	658.6	1393.0	1610.7	1643.5
132.5°	353.1	671.0	1400.4	1620.8	1670.4
135°	378.8	689.5	1356.4	1588.2	1704.6
137.5°	411.2	702.7	1314.2	1587.2	1662.5
140°	430.7	705.6	1292.2	1622.3	1628.3
142.5°	452.7	713.2	1287.3	1618.4	1669.8
145°	485.7	724.7	1280.0	1542.8	1680.2
147.5°	518.7	732.0	1251.9	1459.3	1579.4
150°	540.7	734.9	1225.0	1431.4	1506.1
152.5°	562.7	737.8	1190.8	1414.0	1476.7
155°	589.6	739.0	1139.5	1373.3	1445.0
157.5°	617.7	735.4	1077.8	1298.9	1377.2
160°	632.4	730.9	1038.7	1244.9	1313.6
162.5°	647.0	728.9	1004.5	1174.3	1255.0
165°	669.0	731.8	919.5	1082.6	1133.4
167.5°	683.7	729.1	840.1	973.7	1045.4
170°	693.5	729.3	791.2	890.3	950.1
172.5°	700.8	717.5	761.9	814.1	854.8
175°	708.7	717.7	730.1	742.7	757.6
177.5°	711.2	716.0	706.3	704.0	708.7
180°	708.7	708.7	708.7	708.7	708.7

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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	17.62	18.42	18.64	19.44	20.81	16.52	17.32	17.54	18.34	19.71
	3H	19.26	19.97	20.29	21.01	22.40	18.05	18.75	19.08	19.79	21.18
	4H	19.89	20.56	20.93	21.60	23.00	18.62	19.29	19.66	20.32	21.72
	6H	20.29	20.91	21.34	21.95	23.36	18.99	19.60	20.04	20.64	22.05
	8H	20.43	21.02	21.49	22.08	23.49	19.12	19.71	20.18	20.77	22.17
	12H	20.51	21.07	21.57	22.12	23.55	19.18	19.74	20.24	20.79	22.22
4H	2H	18.03	18.70	19.07	19.73	21.13	17.15	17.82	18.20	18.86	20.26
	3H	19.89	20.45	20.94	21.51	22.92	18.88	19.44	19.93	20.50	21.92
	4H	20.63	21.14	21.69	22.20	23.63	19.55	20.06	20.61	21.12	22.55
	6H	21.15	21.59	22.22	22.67	24.09	20.02	20.46	21.09	21.54	22.97
	8H	21.35	21.76	22.42	22.83	24.28	20.21	20.62	21.28	21.69	23.14
	12H	21.45	21.82	22.54	22.91	24.36	20.29	20.67	21.38	21.75	23.20
8H	4H	20.78	21.19	21.85	22.26	23.71	19.82	20.23	20.89	21.30	22.74
	6H	21.42	21.76	22.52	22.87	24.32	20.42	20.76	21.51	21.87	23.31
	8H	21.71	22.01	22.81	23.11	24.57	20.69	20.99	21.80	22.09	23.55
	12H	21.88	22.14	22.99	23.24	24.74	20.84	21.10	21.95	22.19	23.69
12H	4H	20.76	21.13	21.85	22.22	23.66	19.82	20.19	20.91	21.28	22.72
	6H	21.45	21.75	22.55	22.84	24.30	20.48	20.78	21.58	21.88	23.34
	8H	21.76	22.02	22.87	23.12	24.62	20.78	21.05	21.89	22.14	23.64