

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: P1439447

Luminaire Tested: CB3-B-085U-055D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439447
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-B-085U-055D-940-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

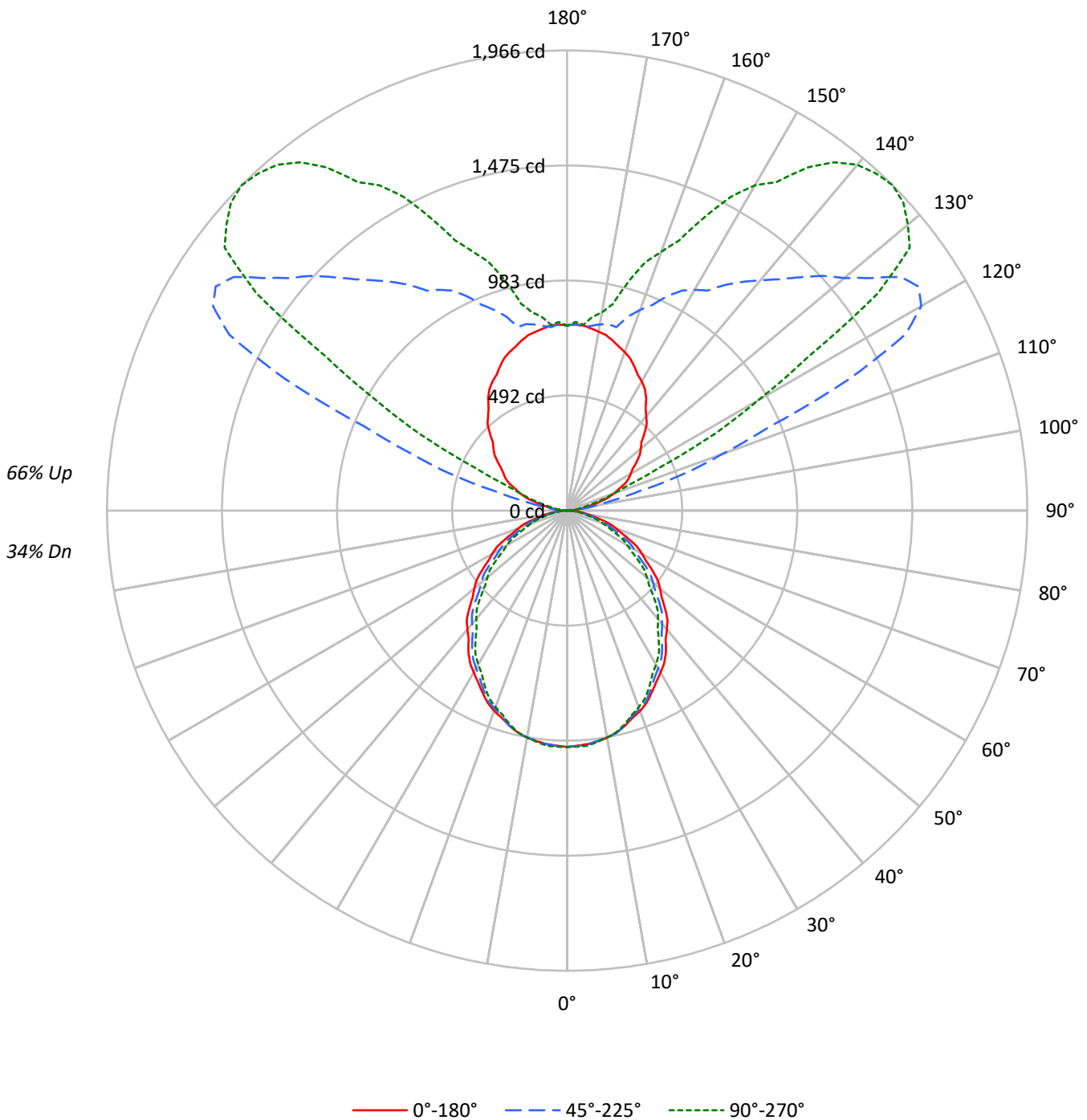
Lumens per Lamp: N/A
Luminaire Lumens: 7065.1 lumens
Efficiency: N/A
Efficacy: 174.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 40.4
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	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42	34
1	94	90	86	83	85	82	78	76	65	63	61	51	49	48	37	36	35	29
2	86	79	73	68	77	71	66	62	57	54	51	45	42	40	33	31	30	25
3	78	69	62	57	71	63	57	52	51	46	43	39	37	34	29	27	26	21
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22	18
5	66	55	47	41	59	50	43	38	40	35	32	32	28	25	23	21	19	16
6	61	49	41	36	55	45	38	33	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	34	29	33	28	24	26	22	20	19	17	15	12
8	52	40	32	27	47	37	30	25	30	25	21	24	20	17	18	15	14	11
9	48	36	29	24	44	33	27	23	27	22	19	22	18	16	17	14	12	10
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11429	11429	11429
5°	11375	11383	11449
10°	11325	11309	11309
15°	11151	11151	11085
20°	10970	10858	10763
25°	10694	10559	10372
30°	10432	10161	9916
35°	10158	9781	9434
40°	9791	9324	8923
45°	9460	8919	8369
50°	9118	8435	7830
55°	8747	7967	7317
60°	8346	7483	6737
65°	7874	6934	6128
70°	7334	6289	5458
75°	6649	5521	4861
80°	5799	4626	4300
85°	4466	3908	3908

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9460 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.3	1.3
10°-20°	267.8	3.8
20°-30°	389.0	5.5
30°-40°	442.3	6.3
40°-50°	429.4	6.1
50°-60°	362.5	5.1
60°-70°	257.9	3.7
70°-80°	137.8	2.0
80°-90°	36.4	0.5
90°-100°	53.4	0.8
100°-110°	280.0	4.0
110°-120°	704.7	10.0
120°-130°	1087.2	15.4
130°-140°	995.3	14.1
140°-150°	734.6	10.4
150°-160°	468.2	6.6
160°-170°	246.5	3.5
170°-180°	76.8	1.1
0°-30°	752.1	10.6
0°-40°	1194.4	16.9
0°-60°	1986.2	28.1
0°-90°	2418.4	34.2
90°-120°	1038.1	14.7
90°-150°	3855.2	54.6
90°-180°	4647.0	65.8
0°-180°	7065.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1010	1010	1010	1010	1010	
5°	1002	1014	1002	1001	1008	95
15°	952	960	952	946	946	268
25°	857	859	846	834	831	395
35°	735	728	708	687	683	458
45°	591	582	557	531	523	456
55°	443	431	404	378	371	396
65°	294	284	259	236	229	291
75°	152	144	126	113	111	162
85°	34	32	30	30	30	41
90°	0	0	0	0	0	3
95°	28	79	31	17	17	35
105°	143	442	320	132	108	152
115°	272	554	1330	578	438	264
125°	362	559	1740	1754	1622	324
135°	466	623	1410	1922	1966	360
145°	588	680	1176	1636	1789	366
155°	679	730	1009	1249	1378	313
165°	752	772	811	948	1013	212
175°	794	810	786	790	797	75
180°	790	790	790	790	790	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1010.1	1010.1	1010.1	1010.1	1010.1
2.5°	1005.0	1015.1	1006.1	1007.3	1009.6
5°	1001.5	1014.2	1002.2	1001.0	1008.0
7.5°	993.8	1005.3	992.9	990.0	996.4
10°	985.7	998.4	984.3	980.8	984.3
12.5°	971.4	984.6	973.4	967.6	970.5
15°	952.0	960.4	952.0	946.3	946.3
17.5°	928.3	937.2	921.3	917.3	915.7
20°	911.1	918.8	901.8	896.0	893.9
22.5°	888.2	895.3	881.1	871.3	868.7
25°	856.6	859.4	845.8	834.3	830.8
27.5°	824.9	825.6	807.0	792.9	788.3
30°	798.5	799.2	777.7	762.5	759.0
32.5°	772.1	770.0	749.6	731.6	729.2
35°	735.4	728.3	708.1	687.2	683.0
37.5°	691.0	686.8	662.9	642.0	635.6
40°	662.9	655.9	631.3	610.4	604.1
42.5°	634.8	626.6	601.5	578.2	571.4
45°	591.2	582.0	557.4	530.7	523.0
47.5°	547.3	537.3	510.2	484.4	475.8
50°	518.0	507.5	479.2	453.9	444.8
52.5°	488.1	477.1	448.8	423.0	415.5
55°	443.4	431.4	403.9	377.9	370.9
57.5°	398.6	386.8	359.4	334.8	326.4
60°	368.8	357.5	330.7	306.1	297.7
62.5°	338.3	327.7	301.5	277.5	269.6
65°	294.1	283.6	259.0	235.9	228.9
67.5°	250.4	241.4	217.1	195.9	190.3
70°	221.7	213.3	190.1	170.6	165.0
72.5°	194.1	185.2	163.1	146.6	142.6
75°	152.1	143.7	126.3	113.3	111.2
77.5°	113.6	106.8	91.7	84.3	83.2
80°	89.0	82.6	71.0	66.0	66.0
82.5°	66.0	60.8	53.2	51.1	51.1
85°	34.4	31.6	30.1	30.1	30.1
87.5°	10.3	10.3	9.8	9.2	9.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	8.4	19.2	5.6	2.8	5.6
95°	27.8	78.9	31.3	17.4	17.4
97.5°	57.8	176.2	80.7	43.1	39.0
100°	80.0	250.2	125.3	62.5	55.7
102.5°	105.1	324.3	189.3	84.6	72.4
105°	142.7	442.1	320.2	131.7	107.9
107.5°	184.5	522.7	527.6	203.0	163.6
110°	212.3	556.0	703.0	266.6	205.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	237.4	564.7	936.9	363.5	280.5
115°	271.5	553.9	1329.5	578.0	438.5
117.5°	296.5	527.2	1627.4	919.6	709.3
120°	313.2	527.6	1747.1	1178.0	943.2
122.5°	332.7	530.8	1780.5	1434.5	1218.8
125°	361.9	559.3	1740.1	1754.5	1621.8
127.5°	391.2	580.4	1631.6	1886.1	1844.5
130°	410.7	594.4	1545.2	1930.9	1900.2
132.5°	430.2	608.5	1484.0	1931.9	1947.6
135°	466.4	622.9	1409.5	1922.1	1966.4
137.5°	503.2	640.7	1339.9	1861.3	1953.1
140°	525.5	654.8	1284.2	1795.4	1928.1
142.5°	550.6	666.3	1231.3	1734.3	1875.2
145°	588.2	680.0	1176.3	1635.7	1788.9
147.5°	617.4	687.5	1114.4	1536.3	1662.9
150°	636.9	687.9	1089.3	1447.9	1604.4
152.5°	653.6	701.9	1058.7	1366.8	1509.7
155°	678.7	729.7	1009.3	1248.9	1378.2
157.5°	703.7	752.7	950.8	1160.9	1248.7
160°	720.4	761.3	911.8	1118.5	1176.3
162.5°	734.3	769.7	870.1	1046.3	1112.3
165°	751.7	772.2	810.9	948.1	1012.8
167.5°	767.7	778.0	815.8	851.8	904.2
170°	776.1	786.3	807.4	842.6	859.6
172.5°	784.5	800.1	796.3	820.3	834.6
175°	793.5	810.5	786.5	790.2	797.0
177.5°	795.6	803.8	798.4	798.6	806.7
180°	790.0	790.0	790.0	790.0	790.0

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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	13.94	14.67	15.03	15.75	17.23	12.86	13.59	13.95	14.67	16.16
	3H	15.60	16.25	16.69	17.34	18.84	14.27	14.92	15.36	16.01	17.51
	4H	16.22	16.84	17.33	17.93	19.44	14.78	15.40	15.88	16.49	17.99
	6H	16.60	17.17	17.71	18.27	19.78	15.09	15.66	16.20	16.75	18.27
	8H	16.74	17.28	17.85	18.39	19.90	15.21	15.75	16.33	16.86	18.37
	12H	16.80	17.31	17.92	18.42	19.95	15.28	15.79	16.40	16.90	18.43
4H	2H	14.33	14.95	15.45	16.05	17.55	13.48	14.09	14.59	15.19	16.69
	3H	16.21	16.73	17.33	17.85	19.36	15.08	15.60	16.20	16.72	18.23
	4H	16.96	17.43	18.08	18.54	20.07	15.68	16.16	16.80	17.27	18.80
	6H	17.45	17.86	18.58	18.99	20.52	16.09	16.49	17.22	17.63	19.15
	8H	17.64	18.02	18.77	19.14	20.69	16.26	16.63	17.38	17.76	19.30
	12H	17.73	18.07	18.87	19.21	20.76	16.35	16.70	17.50	17.83	19.38
8H	4H	17.07	17.45	18.20	18.58	20.12	15.94	16.31	17.06	17.44	18.98
	6H	17.69	18.00	18.84	19.17	20.71	16.46	16.77	17.61	17.94	19.48
	8H	17.96	18.24	19.12	19.38	20.94	16.71	16.98	17.86	18.13	19.69
	12H	18.12	18.36	19.28	19.50	21.10	16.88	17.12	18.04	18.26	19.86
12H	4H	17.04	17.38	18.19	18.52	20.07	15.93	16.27	17.08	17.41	18.96
	6H	17.70	17.98	18.86	19.12	20.68	16.51	16.79	17.67	17.93	19.49
	8H	18.00	18.24	19.16	19.38	20.98	16.79	17.03	17.95	18.17	19.77