

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: P1439408

Luminaire Tested: CB3-B-055U-030D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439408
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-055U-030D-940-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

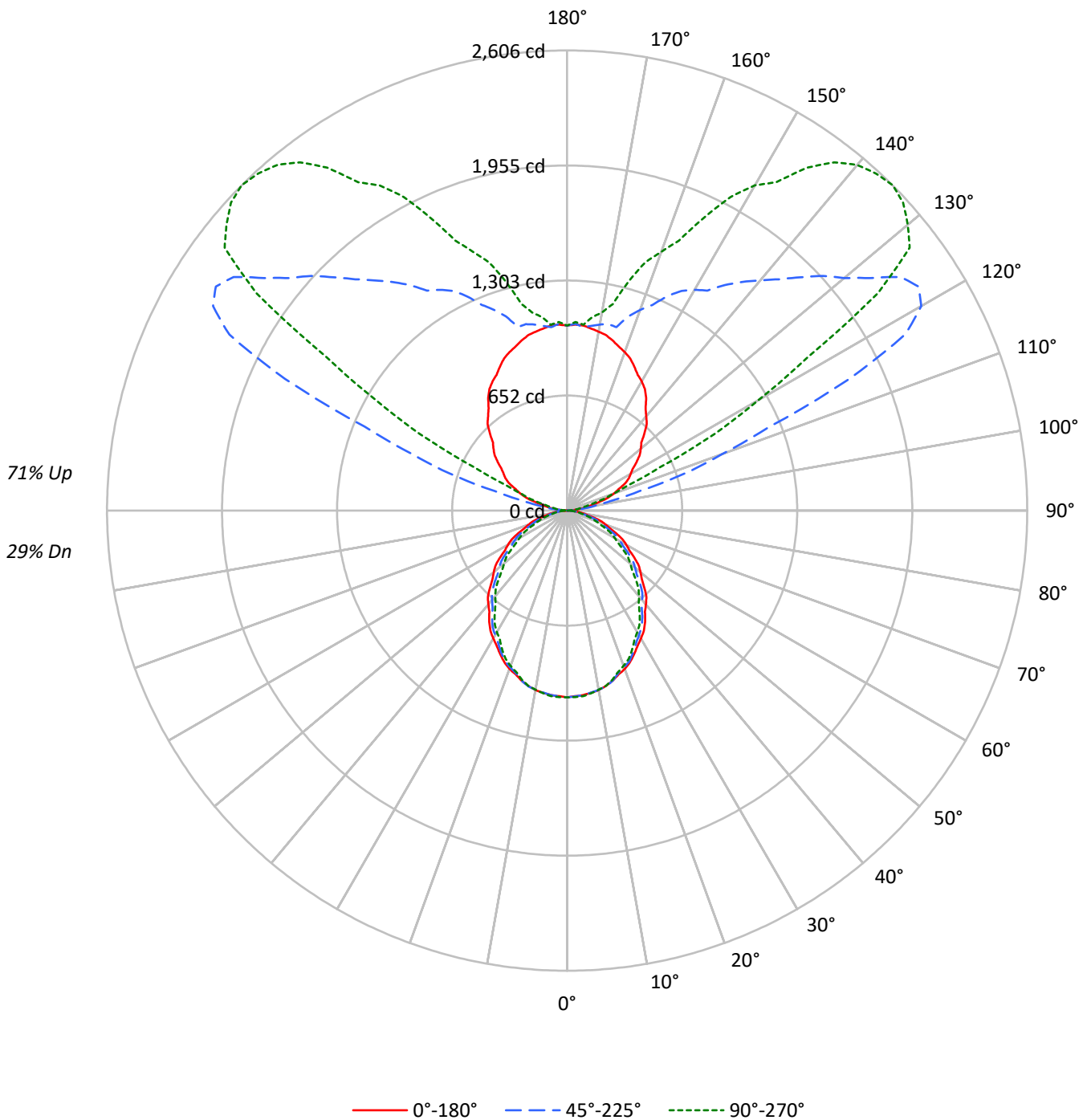
Lumens per Lamp: N/A
Luminaire Lumens: 8690.8 lumens
Efficiency: N/A
Efficacy: 163.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 53.2
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	102	102	102	102	92	92	92	92	72	72	72	54	54	54	37	37	37	29
1	93	89	85	82	83	80	77	74	63	61	59	47	46	45	33	32	31	25
2	85	78	72	67	76	70	65	61	55	52	49	42	39	37	29	28	27	21
3	77	68	61	56	69	62	56	51	49	45	41	37	34	32	26	24	23	18
4	71	61	53	47	63	55	48	43	43	39	35	33	30	27	23	21	20	15
5	65	54	46	40	58	49	42	37	39	34	30	29	26	24	21	19	17	13
6	60	48	40	35	53	44	37	32	35	30	26	27	23	21	19	17	15	12
7	55	43	36	30	49	39	33	28	31	27	23	24	21	18	17	15	13	11
8	51	39	32	27	46	36	29	25	29	24	20	22	19	16	16	14	12	9
9	47	36	29	24	43	32	26	22	26	21	18	20	17	14	15	12	11	9
10	44	33	26	21	40	30	24	19	24	19	16	19	15	13	14	11	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5983	5983	5983
5°	5954	5959	5993
10°	5928	5920	5920
15°	5838	5838	5802
20°	5743	5684	5634
25°	5598	5527	5429
30°	5461	5319	5191
35°	5317	5120	4938
40°	5125	4882	4670
45°	4952	4669	4380
50°	4773	4416	4099
55°	4578	4171	3830
60°	4369	3918	3527
65°	4122	3629	3207
70°	3839	3292	2857
75°	3480	2890	2544
80°	3033	2424	2251
85°	2343	2045	2045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4952 cd/sqm



TEST NUMBER: P1439408

CATALOG NUMBER: CB3-B-055U-030D-940-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.8	1.1
10°-20°	280.3	3.2
20°-30°	407.3	4.7
30°-40°	463.0	5.3
40°-50°	449.5	5.2
50°-60°	379.5	4.4
60°-70°	270.0	3.1
70°-80°	144.3	1.7
80°-90°	38.1	0.4
90°-100°	70.8	0.8
100°-110°	371.1	4.3
110°-120°	934.1	10.7
120°-130°	1441.0	16.6
130°-140°	1319.2	15.2
140°-150°	973.6	11.2
150°-160°	620.6	7.1
160°-170°	326.7	3.8
170°-180°	101.7	1.2
0°-30°	787.4	9.1
0°-40°	1250.4	14.4
0°-60°	2079.5	23.9
0°-90°	2531.8	29.1
90°-120°	1376.0	15.8
90°-150°	5109.8	58.8
90°-180°	6159.0	70.9
0°-180°	8690.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1058	1058	1058	1058	1058	
5°	1048	1062	1049	1048	1055	100
15°	997	1006	997	991	991	281
25°	897	900	886	873	870	413
35°	770	762	741	719	715	480
45°	619	609	584	556	548	477
55°	464	452	423	396	388	415
65°	308	297	271	247	240	305
75°	159	150	132	119	116	170
85°	36	33	32	32	32	43
90°	0	0	0	0	0	3
95°	37	105	42	23	23	47
105°	189	586	424	175	143	202
115°	360	734	1762	766	581	350
125°	480	741	2306	2326	2150	429
135°	618	826	1868	2548	2606	478
145°	780	901	1559	2168	2371	485
155°	900	967	1338	1655	1827	415
165°	996	1023	1075	1257	1342	281
175°	1052	1074	1042	1047	1056	100
180°	1047	1047	1047	1047	1047	



TEST NUMBER: P1439408

CATALOG NUMBER: CB3-B-055U-030D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1057.5	1057.5	1057.5	1057.5	1057.5
2.5°	1052.1	1062.7	1053.3	1054.6	1056.9
5°	1048.5	1061.7	1049.3	1047.9	1055.3
7.5°	1040.4	1052.4	1039.5	1036.5	1043.1
10°	1032.0	1045.2	1030.5	1026.8	1030.5
12.5°	1017.0	1030.8	1019.1	1013.0	1016.1
15°	996.7	1005.5	996.7	990.7	990.7
17.5°	971.9	981.2	964.5	960.3	958.7
20°	953.9	962.0	944.1	938.1	935.9
22.5°	929.8	937.3	922.5	912.2	909.4
25°	896.8	899.7	885.5	873.4	869.8
27.5°	863.6	864.3	844.8	830.1	825.3
30°	836.0	836.7	814.2	798.3	794.6
32.5°	808.3	806.1	784.7	765.9	763.4
35°	769.9	762.5	741.3	719.4	715.0
37.5°	723.4	719.0	694.0	672.1	665.5
40°	694.0	686.7	661.0	639.0	632.4
42.5°	664.6	656.0	629.7	605.4	598.2
45°	618.9	609.3	583.6	555.6	547.5
47.5°	572.9	562.5	534.2	507.1	498.1
50°	542.3	531.3	501.7	475.2	465.7
52.5°	511.0	499.4	469.9	442.8	435.0
55°	464.2	451.7	422.9	395.7	388.3
57.5°	417.3	405.0	376.3	350.6	341.7
60°	386.1	374.3	346.3	320.5	311.7
62.5°	354.2	343.0	315.6	290.5	282.3
65°	307.9	296.9	271.1	246.9	239.6
67.5°	262.1	252.7	227.3	205.1	199.2
70°	232.1	223.3	199.0	178.6	172.7
72.5°	203.2	193.8	170.8	153.4	149.3
75°	159.2	150.4	132.2	118.6	116.4
77.5°	119.0	111.8	96.0	88.3	87.1
80°	93.1	86.5	74.4	69.1	69.1
82.5°	69.1	63.7	55.7	53.5	53.5
85°	36.1	33.1	31.5	31.5	31.5
87.5°	10.8	10.8	10.2	9.6	9.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	11.1	25.5	7.4	3.8	7.4
95°	36.9	104.6	41.5	23.1	23.1
97.5°	76.6	233.5	107.0	57.1	51.7
100°	106.1	331.6	166.1	82.8	73.8
102.5°	139.3	429.8	250.9	112.2	95.9
105°	189.1	586.0	424.4	174.6	143.0
107.5°	244.5	692.8	699.3	269.1	216.8
110°	281.4	736.9	931.8	353.3	272.2

TEST NUMBER: P1439408

CATALOG NUMBER: CB3-B-055U-030D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	314.6	748.5	1241.8	481.9	371.8
115°	359.8	734.2	1762.1	766.2	581.2
117.5°	393.0	698.8	2157.0	1218.8	940.1
120°	415.2	699.3	2315.7	1561.3	1250.1
122.5°	441.0	703.5	2360.0	1901.4	1615.4
125°	479.7	741.3	2306.4	2325.5	2149.6
127.5°	518.5	769.3	2162.5	2499.9	2444.8
130°	544.3	787.9	2048.1	2559.2	2518.6
132.5°	570.2	806.5	1966.9	2560.6	2581.4
135°	618.1	825.6	1868.2	2547.7	2606.3
137.5°	667.0	849.2	1776.0	2467.0	2588.8
140°	696.5	867.9	1702.2	2379.6	2555.5
142.5°	729.8	883.1	1632.0	2298.7	2485.4
145°	779.6	901.4	1559.2	2168.1	2371.0
147.5°	818.3	911.2	1477.0	2036.3	2204.0
150°	844.2	911.8	1443.8	1919.1	2126.5
152.5°	866.3	930.3	1403.2	1811.6	2001.1
155°	899.5	967.2	1337.7	1655.3	1826.7
157.5°	932.7	997.7	1260.2	1538.7	1655.1
160°	954.9	1009.0	1208.6	1482.5	1559.2
162.5°	973.3	1020.2	1153.2	1386.8	1474.3
165°	996.4	1023.4	1074.8	1256.7	1342.4
167.5°	1017.6	1031.1	1081.3	1129.0	1198.4
170°	1028.7	1042.2	1070.2	1116.8	1139.4
172.5°	1039.7	1060.5	1055.4	1087.2	1106.2
175°	1051.7	1074.3	1042.5	1047.3	1056.4
177.5°	1054.5	1065.3	1058.2	1058.4	1069.3
180°	1047.1	1047.1	1047.1	1047.1	1047.1



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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	11.03	11.72	12.15	12.83	14.38	9.95	10.64	11.07	11.76	13.30
	3H	12.68	13.30	13.81	14.42	15.98	11.35	11.97	12.48	13.09	14.65
	4H	13.30	13.89	14.44	15.02	16.58	11.86	12.45	13.00	13.57	15.13
	6H	13.68	14.22	14.83	15.35	16.92	12.17	12.71	13.31	13.84	15.41
	8H	13.81	14.33	14.96	15.47	17.04	12.29	12.80	13.44	13.94	15.51
	12H	13.87	14.36	15.03	15.50	17.09	12.36	12.85	13.51	13.98	15.57
4H	2H	11.41	12.01	12.56	13.13	14.69	10.56	11.15	11.70	12.27	13.83
	3H	13.29	13.78	14.44	14.93	16.50	12.16	12.65	13.31	13.80	15.37
	4H	14.03	14.48	15.18	15.62	17.21	12.76	13.21	13.91	14.35	15.94
	6H	14.52	14.91	15.68	16.07	17.66	13.16	13.55	14.32	14.71	16.29
	8H	14.71	15.07	15.87	16.22	17.83	13.33	13.69	14.49	14.84	16.44
	12H	14.80	15.13	15.98	16.29	17.90	13.43	13.75	14.60	14.92	16.52
8H	4H	14.15	14.51	15.30	15.66	17.26	13.01	13.37	14.17	14.52	16.12
	6H	14.76	15.06	15.94	16.25	17.85	13.53	13.83	14.71	15.02	16.62
	8H	15.03	15.29	16.22	16.46	18.08	13.78	14.04	14.96	15.21	16.83
	12H	15.19	15.42	16.38	16.59	18.24	13.95	14.18	15.14	15.35	17.00
12H	4H	14.11	14.44	15.29	15.60	17.21	13.00	13.33	14.18	14.49	16.10
	6H	14.77	15.03	15.96	16.21	17.82	13.59	13.85	14.77	15.02	16.64
	8H	15.07	15.29	16.25	16.46	18.12	13.86	14.09	15.05	15.26	16.91