

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: P1439406

Luminaire Tested: CB3-B-055U-030D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439406
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-935-1D-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

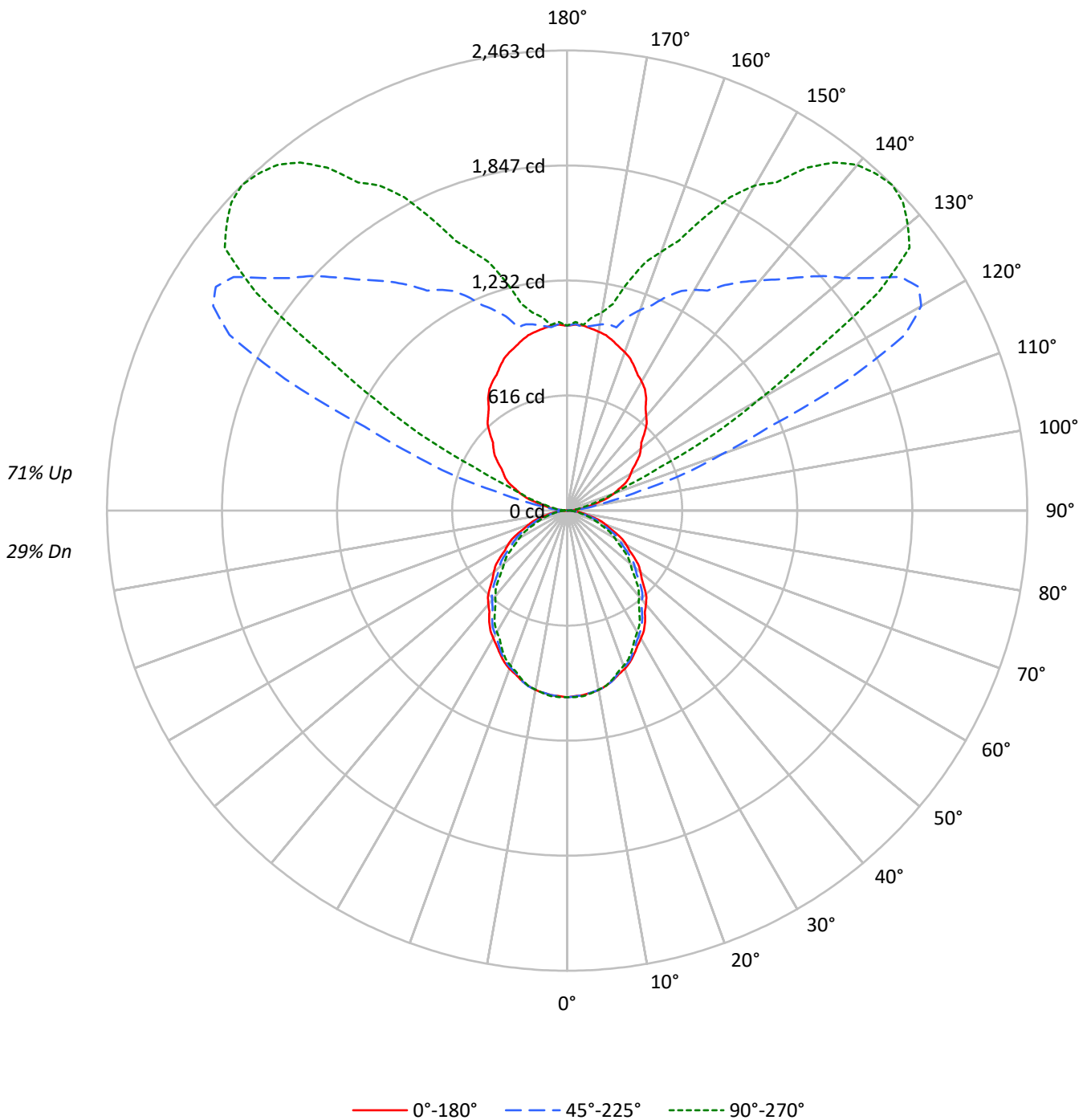
Lumens per Lamp: N/A
Luminaire Lumens: 8211.8 lumens
Efficiency: N/A
Efficacy: 154.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 53.2
Input Voltage (V): 120
Input Current (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									70									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	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°	5653	5653	5653
5°	5626	5630	5662
10°	5602	5593	5593
15°	5516	5516	5483
20°	5426	5371	5324
25°	5290	5223	5130
30°	5160	5025	4905
35°	5024	4838	4666
40°	4843	4612	4413
45°	4679	4412	4140
50°	4510	4173	3873
55°	4326	3941	3619
60°	4128	3702	3332
65°	3895	3430	3031
70°	3627	3111	2699
75°	3290	2730	2404
80°	2867	2290	2127
85°	2213	1934	1934

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4679 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.3	1.1
10°-20°	264.9	3.2
20°-30°	384.8	4.7
30°-40°	437.5	5.3
40°-50°	424.7	5.2
50°-60°	358.6	4.4
60°-70°	255.1	3.1
70°-80°	136.3	1.7
80°-90°	36.0	0.4
90°-100°	66.9	0.8
100°-110°	350.6	4.3
110°-120°	882.6	10.7
120°-130°	1361.6	16.6
130°-140°	1246.5	15.2
140°-150°	919.9	11.2
150°-160°	586.4	7.1
160°-170°	308.7	3.8
170°-180°	96.1	1.2
0°-30°	744.0	9.1
0°-40°	1181.5	14.4
0°-60°	1964.9	23.9
0°-90°	2392.4	29.1
90°-120°	1300.1	15.8
90°-150°	4828.2	58.8
90°-180°	5819.0	70.9
0°-180°	8211.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	999	999	999	999	999	
5°	991	1003	991	990	997	94
15°	942	950	942	936	936	265
25°	847	850	837	825	822	390
35°	727	720	700	680	676	453
45°	585	576	551	525	517	451
55°	439	427	400	374	367	392
65°	291	281	256	233	226	288
75°	150	142	125	112	110	160
85°	34	31	30	30	30	40
90°	0	0	0	0	0	3
95°	35	99	39	22	22	44
105°	179	554	401	165	135	191
115°	340	694	1665	724	549	331
125°	453	700	2179	2197	2031	406
135°	584	780	1765	2407	2463	451
145°	737	852	1473	2049	2240	458
155°	850	914	1264	1564	1726	392
165°	942	967	1016	1187	1268	265
175°	994	1015	985	990	998	94
180°	989	989	989	989	989	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	999.2	999.2	999.2	999.2	999.2
2.5°	994.1	1004.1	995.3	996.5	998.7
5°	990.7	1003.2	991.4	990.2	997.1
7.5°	983.1	994.4	982.2	979.4	985.6
10°	975.1	987.6	973.7	970.2	973.7
12.5°	960.9	974.0	962.9	957.2	960.1
15°	941.8	950.1	941.8	936.1	936.1
17.5°	918.3	927.1	911.4	907.4	905.8
20°	901.3	908.9	892.1	886.4	884.3
22.5°	878.6	885.7	871.6	861.9	859.3
25°	847.4	850.1	836.7	825.3	821.8
27.5°	816.0	816.7	798.3	784.4	779.8
30°	789.9	790.6	769.3	754.3	750.9
32.5°	763.8	761.7	741.5	723.7	721.3
35°	727.4	720.5	700.5	679.8	675.6
37.5°	683.6	679.4	655.8	635.0	628.8
40°	655.8	648.8	624.5	603.8	597.6
42.5°	627.9	619.9	595.0	572.0	565.2
45°	584.8	575.8	551.4	525.0	517.4
47.5°	541.4	531.5	504.7	479.1	470.7
50°	512.4	502.0	474.1	449.0	440.0
52.5°	482.9	471.9	444.0	418.4	411.1
55°	438.6	426.8	399.6	373.8	366.9
57.5°	394.3	382.6	355.6	331.2	322.9
60°	364.8	353.7	327.2	302.8	294.5
62.5°	334.7	324.1	298.2	274.5	266.7
65°	291.0	280.6	256.2	233.3	226.4
67.5°	247.7	238.8	214.8	193.8	188.2
70°	219.3	211.0	188.1	168.8	163.2
72.5°	192.0	183.2	161.4	145.0	141.1
75°	150.5	142.1	124.9	112.1	110.0
77.5°	112.4	105.6	90.7	83.4	82.3
80°	88.0	81.8	70.3	65.3	65.3
82.5°	65.3	60.2	52.7	50.5	50.5
85°	34.1	31.3	29.8	29.8	29.8
87.5°	10.2	10.2	9.7	9.1	9.1
90°	0.0	0.0	0.0	0.0	0.0
92.5°	10.5	24.1	7.0	3.6	7.0
95°	34.9	98.8	39.2	21.8	21.8
97.5°	72.4	220.7	101.1	53.9	48.8
100°	100.2	313.3	156.9	78.3	69.7
102.5°	131.6	406.1	237.1	106.0	90.7
105°	178.7	553.7	401.0	165.0	135.1
107.5°	231.0	654.6	660.8	254.3	204.9
110°	265.9	696.3	880.4	333.9	257.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	297.3	707.2	1173.3	455.3	351.3
115°	340.0	693.7	1665.0	723.9	549.2
117.5°	371.4	660.3	2038.1	1151.7	888.3
120°	392.3	660.8	2188.0	1475.3	1181.2
122.5°	416.7	664.7	2229.9	1796.6	1526.4
125°	453.3	700.5	2179.3	2197.3	2031.1
127.5°	489.9	726.9	2043.3	2362.1	2310.1
130°	514.3	744.5	1935.2	2418.2	2379.8
132.5°	538.7	762.0	1858.5	2419.5	2439.1
135°	584.1	780.1	1765.3	2407.2	2462.6
137.5°	630.3	802.4	1678.1	2331.0	2446.1
140°	658.2	820.1	1608.3	2248.5	2414.7
142.5°	689.5	834.4	1542.1	2172.0	2348.4
145°	736.6	851.7	1473.2	2048.6	2240.3
147.5°	773.2	861.0	1395.6	1924.0	2082.6
150°	797.6	861.6	1364.3	1813.3	2009.3
152.5°	818.6	879.1	1325.9	1711.8	1890.8
155°	849.9	913.9	1264.0	1564.1	1726.0
157.5°	881.3	942.7	1190.8	1453.9	1563.9
160°	902.2	953.4	1142.0	1400.8	1473.2
162.5°	919.7	964.0	1089.7	1310.3	1393.0
165°	941.5	967.0	1015.6	1187.4	1268.4
167.5°	961.5	974.3	1021.7	1066.7	1132.4
170°	972.0	984.8	1011.2	1055.3	1076.6
172.5°	982.4	1002.0	997.3	1027.3	1045.2
175°	993.8	1015.1	985.1	989.6	998.1
177.5°	996.4	1006.6	999.9	1000.1	1010.3
180°	989.4	989.4	989.4	989.4	989.4



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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	10.83	11.52	11.95	12.64	14.18	9.75	10.45	10.87	11.56	13.10
	3H	12.48	13.11	13.61	14.23	15.78	11.15	11.77	12.28	12.89	14.45
	4H	13.11	13.70	14.24	14.82	16.38	11.66	12.25	12.80	13.37	14.94
	6H	13.48	14.03	14.63	15.15	16.72	11.97	12.51	13.12	13.64	15.21
	8H	13.62	14.13	14.76	15.27	16.84	12.09	12.61	13.24	13.74	15.31
	12H	13.68	14.17	14.83	15.30	16.89	12.16	12.65	13.31	13.78	15.37
4H	2H	11.22	11.81	12.36	12.93	14.49	10.36	10.95	11.50	12.07	13.63
	3H	13.09	13.58	14.24	14.73	16.31	11.96	12.45	13.11	13.60	15.18
	4H	13.83	14.29	14.99	15.42	17.02	12.56	13.01	13.72	14.15	15.75
	6H	14.33	14.71	15.49	15.87	17.46	12.97	13.35	14.12	14.51	16.10
	8H	14.51	14.88	15.67	16.03	17.63	13.13	13.49	14.29	14.64	16.25
	12H	14.60	14.93	15.78	16.09	17.70	13.23	13.56	14.40	14.72	16.33
8H	4H	13.95	14.31	15.11	15.46	17.06	12.81	13.17	13.97	14.32	15.92
	6H	14.56	14.86	15.74	16.05	17.65	13.33	13.63	14.51	14.82	16.42
	8H	14.84	15.10	16.02	16.27	17.89	13.58	13.84	14.77	15.01	16.63
	12H	14.99	15.22	16.18	16.39	18.04	13.75	13.98	14.94	15.15	16.80
12H	4H	13.91	14.24	15.09	15.40	17.01	12.81	13.13	13.98	14.29	15.90
	6H	14.58	14.84	15.76	16.01	17.63	13.39	13.65	14.57	14.82	16.44
	8H	14.87	15.10	16.06	16.27	17.92	13.66	13.89	14.85	15.06	16.71