

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: P1438864

Luminaire Tested: CB2-B-030U-055D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438864
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-030U-055D-940-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

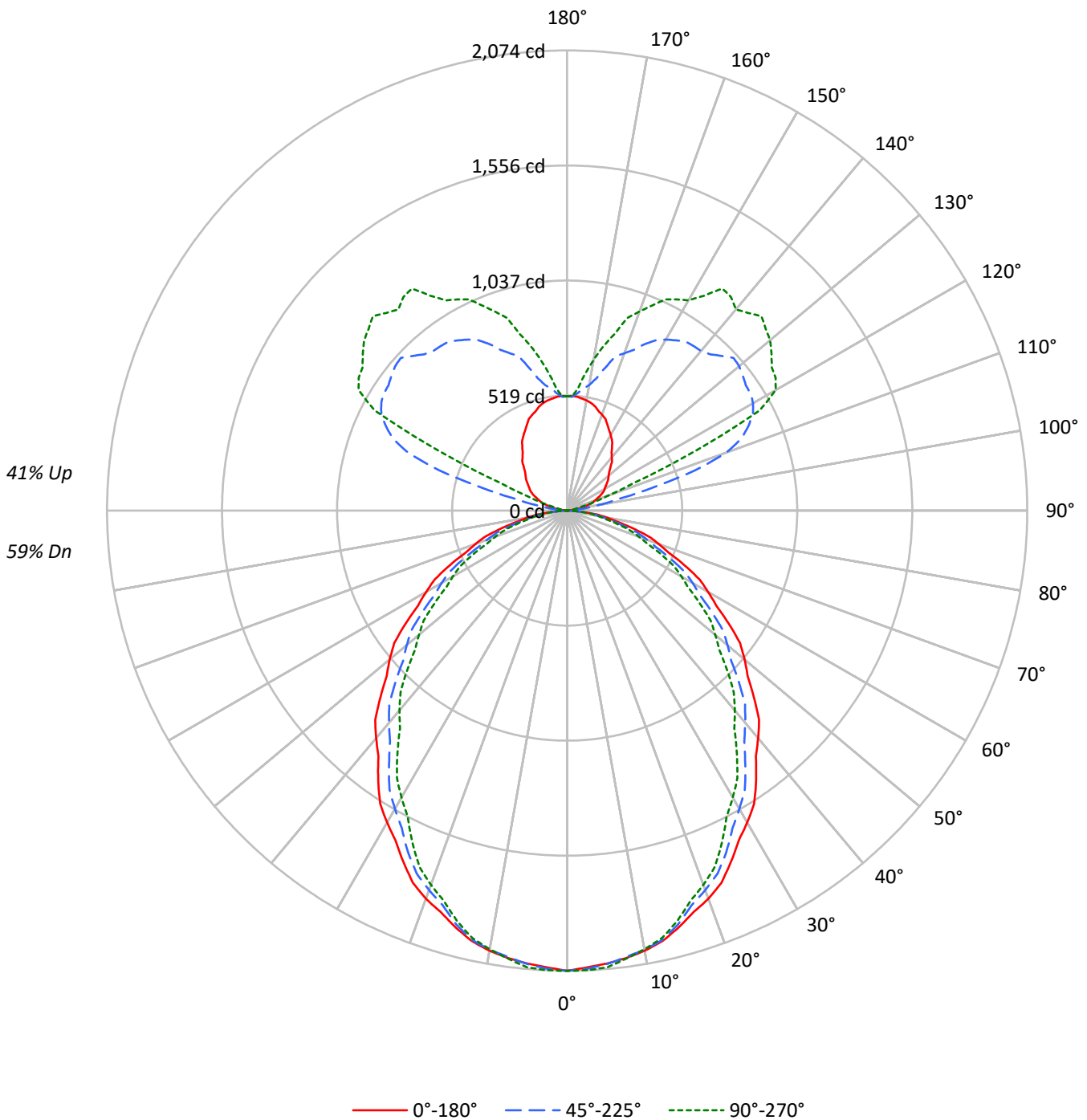
Lumens per Lamp: N/A
Luminaire Lumens: 8221.0 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 54.9
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	109	109	109	109	102	102	102	102	88	88	88	76	76	76	64	64	64	59																			
1	100	96	92	88	93	89	86	83	78	75	73	67	65	64	57	56	55	50																			
2	91	84	78	73	85	78	73	69	68	64	61	59	56	53	51	48	46	42																			
3	83	74	67	61	78	69	63	58	61	56	51	52	49	45	45	42	40	36																			
4	76	66	58	52	71	62	54	49	54	48	44	47	43	39	40	37	34	31																			
5	70	59	50	44	65	55	48	42	48	43	38	42	38	34	36	33	30	27																			
6	65	53	45	39	60	50	42	37	44	38	33	38	34	30	33	30	27	24																			
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	30	27	24	21																			
8	56	43	36	30	52	41	34	29	36	31	26	32	27	24	28	24	21	19																			
9	52	40	32	27	49	38	31	26	33	28	24	30	25	22	26	22	19	17																			
10	49	37	29	24	46	35	28	23	31	25	22	27	23	20	24	20	18	16																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18064	18064	18064
5°	17911	17939	18064
10°	17810	17767	17753
15°	17528	17413	17270
20°	17252	16869	16633
25°	16789	16315	15858
30°	16324	15605	15013
35°	15789	14876	14167
40°	15222	14192	13362
45°	14652	13479	12578
50°	14138	12783	11814
55°	13505	12058	11093
60°	12781	11370	10374
65°	12012	10604	9656
70°	11163	9747	8736
75°	10155	8819	7911
80°	9082	7728	7167
85°	6984	6345	5236

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14652 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.1	2.4
10°-20°	543.8	6.6
20°-30°	781.9	9.5
30°-40°	878.8	10.7
40°-50°	848.9	10.3
50°-60°	717.2	8.7
60°-70°	515.2	6.3
70°-80°	281.6	3.4
80°-90°	74.8	0.9
90°-100°	38.6	0.5
100°-110°	239.0	2.9
110°-120°	602.6	7.3
120°-130°	724.4	8.8
130°-140°	656.8	8.0
140°-150°	523.7	6.4
150°-160°	357.3	4.3
160°-170°	188.9	2.3
170°-180°	52.6	0.6
0°-30°	1520.7	18.5
0°-40°	2399.5	29.2
0°-60°	3965.6	48.2
0°-90°	4837.1	58.8
90°-120°	880.1	10.7
90°-150°	2785.1	33.9
90°-180°	3384.0	41.2
0°-180°	8221.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2074	2074	2074	2074	2074	
5°	2049	2077	2052	2052	2066	195
15°	1944	1961	1931	1912	1916	548
25°	1747	1749	1698	1660	1650	804
35°	1485	1468	1399	1345	1333	928
45°	1190	1165	1094	1037	1021	919
55°	890	857	794	745	731	795
65°	583	561	515	478	469	578
75°	302	283	262	241	235	323
85°	70	65	64	56	52	83
90°	0	0	0	0	0	4
95°	20	50	16	11	11	25
105°	98	274	395	99	67	103
115°	169	373	901	839	639	165
125°	220	452	983	1119	1125	197
135°	275	501	986	1154	1239	214
145°	353	527	930	1121	1221	221
155°	428	537	828	998	1050	197
165°	486	532	668	787	824	136
175°	515	522	530	540	550	49
180°	515	515	515	515	515	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2074.3	2074.3	2074.3	2074.3	2074.3
2.5°	2060.4	2085.2	2066.7	2069.4	2073.1
5°	2048.9	2076.9	2052.1	2052.4	2066.4
7.5°	2034.3	2060.7	2029.6	2023.8	2036.9
10°	2014.0	2040.4	2009.2	1998.3	2007.6
12.5°	1987.3	2012.5	1982.5	1965.3	1973.3
15°	1944.1	1961.2	1931.4	1912.4	1915.5
17.5°	1897.1	1907.7	1864.7	1848.7	1845.6
20°	1861.5	1870.8	1820.2	1797.9	1794.8
22.5°	1815.8	1823.8	1770.7	1743.2	1738.9
25°	1747.2	1748.7	1697.9	1659.6	1650.3
27.5°	1675.4	1670.4	1614.1	1568.7	1556.6
30°	1623.3	1617.1	1551.8	1503.9	1493.0
32.5°	1567.4	1556.2	1490.8	1439.1	1428.2
35°	1485.1	1468.0	1399.3	1345.0	1332.6
37.5°	1397.4	1378.1	1310.7	1251.6	1237.6
40°	1339.0	1317.2	1248.4	1189.3	1175.4
42.5°	1280.5	1256.3	1186.2	1127.0	1111.8
45°	1189.7	1164.8	1094.4	1036.8	1021.3
47.5°	1103.2	1071.6	1003.2	946.0	930.4
50°	1043.5	1009.4	943.5	887.5	872.0
52.5°	982.5	947.1	883.7	830.3	814.8
55°	889.5	856.8	794.2	744.6	730.6
57.5°	797.3	766.0	708.7	661.4	647.7
60°	733.8	707.4	652.8	608.0	595.6
62.5°	672.8	648.9	596.9	555.9	543.5
65°	582.9	561.2	514.6	477.9	468.6
67.5°	495.6	473.8	436.2	403.2	392.6
70°	438.4	416.6	382.8	352.4	343.1
72.5°	383.7	360.8	333.2	305.4	298.6
75°	301.8	283.1	262.1	241.3	235.1
77.5°	229.4	211.3	196.0	181.4	179.8
80°	181.1	165.5	154.1	144.5	142.9
82.5°	135.3	123.5	115.9	109.0	108.6
85°	69.9	65.2	63.5	55.5	52.4
87.5°	20.3	20.3	17.8	15.2	15.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.3	8.8	3.6	3.6	3.6
95°	20.0	50.4	15.5	11.1	11.1
97.5°	41.7	120.7	83.9	22.6	19.5
100°	57.7	174.9	144.3	33.1	26.6
102.5°	73.7	222.2	227.7	52.6	40.8
105°	97.7	273.5	395.1	99.1	66.6
107.5°	121.2	307.0	605.6	204.6	123.4
110°	135.4	326.4	763.6	319.0	190.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	149.6	345.8	850.6	511.3	329.4
115°	168.7	372.7	901.2	839.0	639.3
117.5°	184.7	397.4	944.7	1037.5	978.9
120°	195.3	416.7	967.8	1065.9	1085.5
122.5°	206.0	430.9	980.3	1077.0	1113.9
125°	219.8	452.0	983.4	1118.9	1125.4
127.5°	233.5	467.9	998.0	1157.5	1160.5
130°	244.2	478.6	1012.2	1170.4	1194.2
132.5°	256.6	487.5	1017.5	1177.7	1213.8
135°	275.3	501.0	985.6	1154.0	1238.6
137.5°	298.8	510.6	954.9	1153.3	1208.0
140°	313.0	512.7	939.0	1178.8	1183.1
142.5°	329.0	518.2	935.4	1176.0	1213.3
145°	352.9	526.6	930.1	1121.0	1220.9
147.5°	376.9	531.9	909.7	1060.4	1147.6
150°	392.9	534.0	890.1	1040.1	1094.3
152.5°	408.9	536.1	865.3	1027.5	1073.0
155°	428.4	536.9	828.0	997.9	1050.0
157.5°	448.8	534.4	783.1	943.8	1000.7
160°	459.5	531.1	754.7	904.6	954.5
162.5°	470.1	529.6	729.9	853.3	911.9
165°	486.1	531.7	668.2	786.6	823.5
167.5°	496.8	529.8	610.4	707.5	759.6
170°	503.9	529.9	574.9	646.9	690.3
172.5°	509.2	521.4	553.6	591.6	621.1
175°	515.0	521.5	530.5	539.7	550.5
177.5°	516.8	520.2	513.2	511.5	515.0
180°	515.0	515.0	515.0	515.0	515.0



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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	17.84	18.77	18.72	19.67	20.81	16.74	17.67	17.62	18.57	19.71
	3H	19.49	20.32	20.38	21.23	22.40	18.27	19.11	19.16	20.01	21.18
	4H	20.12	20.91	21.03	21.82	23.00	18.85	19.64	19.75	20.55	21.73
	6H	20.52	21.25	21.44	22.17	23.36	19.22	19.95	20.14	20.87	22.06
	8H	20.68	21.37	21.60	22.31	23.49	19.36	20.06	20.29	20.99	22.18
	12H	20.75	21.41	21.68	22.34	23.56	19.43	20.09	20.36	21.02	22.23
4H	2H	18.25	19.04	19.17	19.96	21.13	17.38	18.17	18.29	19.08	20.26
	3H	20.13	20.79	21.05	21.73	22.92	19.12	19.78	20.04	20.72	21.91
	4H	20.88	21.48	21.81	22.42	23.63	19.80	20.40	20.73	21.34	22.55
	6H	21.40	21.92	22.35	22.88	24.10	20.28	20.79	21.22	21.76	22.97
	8H	21.61	22.09	22.56	23.05	24.28	20.47	20.95	21.42	21.91	23.14
	12H	21.72	22.15	22.69	23.13	24.36	20.56	21.00	21.53	21.97	23.21
8H	4H	21.04	21.52	21.99	22.48	23.71	20.08	20.56	21.03	21.52	22.75
	6H	21.69	22.09	22.66	23.08	24.31	20.68	21.08	21.66	22.08	23.31
	8H	21.98	22.33	22.96	23.32	24.56	20.96	21.31	21.94	22.30	23.55
	12H	22.15	22.46	23.14	23.45	24.74	21.11	21.42	22.10	22.41	23.70
12H	4H	21.02	21.46	21.99	22.44	23.67	20.08	20.52	21.05	21.49	22.73
	6H	21.71	22.07	22.70	23.06	24.30	20.75	21.10	21.73	22.09	23.34
	8H	22.03	22.35	23.02	23.33	24.62	21.06	21.37	22.04	22.35	23.64