

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: P1439148

Luminaire Tested: CB3-030U-120D-830-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439148
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-030U-120D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

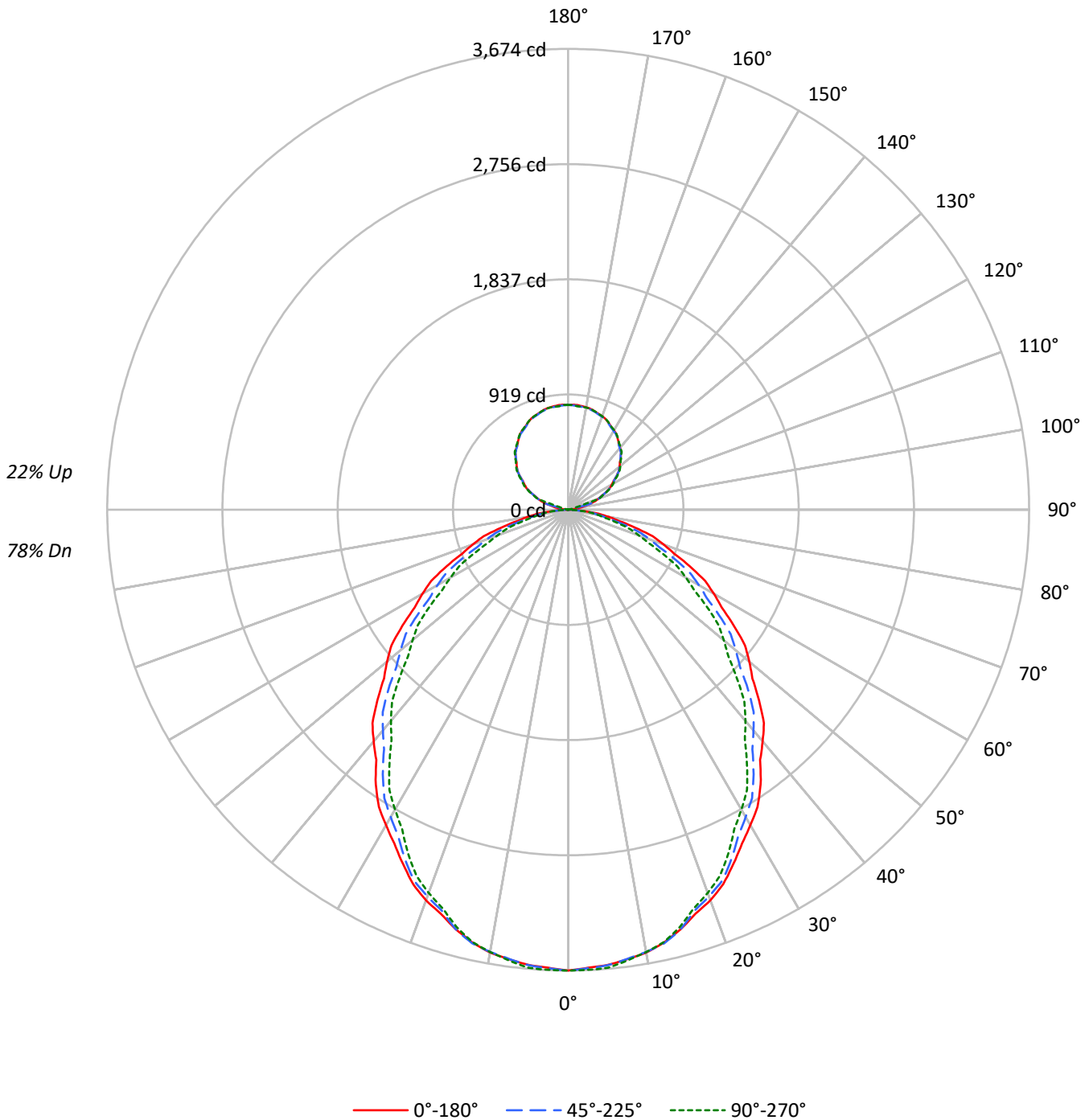
Lumens per Lamp: N/A
Luminaire Lumens: 11261.2 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 94.6
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	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78																				
1	104	100	96	92	99	96	92	89	87	85	82	80	78	76	73	71	70	66																				
2	95	88	81	76	91	84	78	73	77	72	69	71	67	64	65	62	59	56																				
3	87	77	70	64	83	74	67	62	68	63	58	63	58	54	57	54	51	48																				
4	80	69	61	54	76	66	59	53	61	55	50	56	51	47	52	47	44	41																				
5	74	62	53	47	70	59	52	46	55	48	43	51	45	41	47	42	39	36																				
6	68	56	47	41	65	53	46	40	50	43	38	46	40	36	42	38	34	32																				
7	63	50	42	36	60	49	41	36	45	39	34	42	36	32	39	34	30	28																				
8	59	46	38	32	56	44	37	32	41	35	30	38	33	29	36	31	27	25																				
9	55	42	34	29	52	41	34	29	38	32	27	35	30	26	33	28	25	23																				
10	51	39	31	26	49	38	31	26	35	29	25	33	28	24	31	26	23	21																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20787	20787	20787
5°	20688	20703	20821
10°	20597	20567	20567
15°	20282	20282	20159
20°	19952	19748	19575
25°	19449	19205	18863
30°	18973	18479	18036
35°	18473	17788	17157
40°	17807	16959	16227
45°	17204	16222	15220
50°	16582	15342	14239
55°	15906	14491	13306
60°	15176	13611	12254
65°	14322	12611	11144
70°	13339	11438	9928
75°	12092	10039	8842
80°	10543	8415	7822
85°	8133	7114	7114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17204 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.7	3.1
10°-20°	974.0	8.6
20°-30°	1415.0	12.6
30°-40°	1608.8	14.3
40°-50°	1561.8	13.9
50°-60°	1318.6	11.7
60°-70°	938.2	8.3
70°-80°	501.2	4.5
80°-90°	132.5	1.2
90°-100°	19.3	0.2
100°-110°	139.7	1.2
110°-120°	332.0	2.9
120°-130°	424.2	3.8
130°-140°	457.6	4.1
140°-150°	431.3	3.8
150°-160°	351.9	3.1
160°-170°	229.3	2.0
170°-180°	79.3	0.7
0°-30°	2735.7	24.3
0°-40°	4344.5	38.6
0°-60°	7224.8	64.2
0°-90°	8796.7	78.1
90°-120°	491.0	4.4
90°-150°	1804.1	16.0
90°-180°	2464.0	21.9
0°-180°	11261.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3674	3674	3674	3674	3674	
5°	3643	3689	3646	3641	3666	346
15°	3463	3494	3463	3442	3442	975
25°	3116	3126	3077	3035	3022	1436
35°	2675	2649	2576	2500	2484	1667
45°	2150	2117	2028	1930	1902	1659
55°	1613	1569	1469	1375	1349	1442
65°	1070	1032	942	858	832	1060
75°	553	523	459	412	404	590
85°	125	115	110	110	110	148
90°	0	0	0	1	0	6
95°	35	6	8	9	9	44
105°	177	179	182	13	14	187
115°	332	334	335	340	342	327
125°	471	474	473	478	481	421
135°	592	595	590	595	598	456
145°	689	693	685	689	693	431
155°	763	770	759	761	766	352
165°	814	818	809	807	812	230
175°	837	841	830	826	828	80
180°	835	835	835	835	835	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3674.3	3674.3	3674.3	3674.3	3674.3
2.5°	3655.5	3692.2	3659.7	3664.0	3672.2
5°	3643.0	3688.9	3645.6	3640.9	3666.4
7.5°	3614.8	3656.6	3611.6	3601.2	3624.2
10°	3585.5	3631.5	3580.3	3567.6	3580.3
12.5°	3533.4	3581.3	3540.7	3519.5	3530.2
15°	3462.9	3493.5	3462.9	3442.0	3442.0
17.5°	3376.8	3408.9	3351.2	3336.5	3330.9
20°	3314.1	3342.2	3280.2	3259.2	3251.5
22.5°	3230.6	3256.7	3205.1	3169.4	3159.7
25°	3115.8	3126.0	3076.7	3034.6	3021.9
27.5°	3000.5	3003.0	2935.2	2884.2	2867.4
30°	2904.4	2907.0	2828.8	2773.7	2760.9
32.5°	2808.4	2800.8	2726.5	2661.0	2652.4
35°	2674.8	2649.3	2575.6	2499.6	2484.3
37.5°	2513.5	2498.2	2411.2	2335.0	2312.1
40°	2411.2	2385.7	2296.4	2220.2	2197.3
42.5°	2308.9	2279.3	2187.9	2103.3	2078.3
45°	2150.3	2117.1	2027.6	1930.4	1902.4
47.5°	1990.6	1954.3	1855.9	1761.8	1730.7
50°	1884.1	1845.8	1743.2	1651.1	1617.9
52.5°	1775.5	1735.2	1632.5	1538.5	1511.5
55°	1612.7	1569.3	1469.2	1374.7	1349.1
57.5°	1449.9	1407.0	1307.4	1218.0	1187.4
60°	1341.3	1300.5	1203.0	1113.6	1083.0
62.5°	1230.7	1191.9	1096.5	1009.3	980.7
65°	1069.9	1031.6	942.1	858.0	832.5
67.5°	910.7	878.1	789.7	712.5	692.1
70°	806.4	775.7	691.5	620.6	600.2
72.5°	706.1	673.5	593.4	533.1	518.8
75°	553.2	522.6	459.3	412.1	404.5
77.5°	413.4	388.3	333.5	306.8	302.7
80°	323.6	300.6	258.3	240.1	240.1
82.5°	240.1	221.2	193.6	185.8	185.8
85°	125.3	115.1	109.6	109.6	109.6
87.5°	37.6	37.6	35.5	33.5	33.4
90°	0.0	0.0	0.0	0.6	0.0
92.5°	9.6	3.7	3.0	3.6	3.5
95°	35.2	6.3	8.2	8.8	8.8
97.5°	71.0	69.6	9.6	11.5	11.6
100°	98.2	101.2	10.1	12.0	12.6
102.5°	128.4	131.0	18.6	12.5	13.1
105°	176.8	179.3	181.9	13.2	13.8
107.5°	225.0	226.9	228.6	205.7	77.0
110°	256.8	258.6	259.3	265.6	266.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	286.5	288.8	290.0	295.3	297.5
115°	331.6	334.1	334.8	339.9	341.7
117.5°	374.6	377.1	378.3	382.4	385.4
120°	402.7	405.8	406.5	411.6	414.1
122.5°	430.4	434.0	433.7	438.3	441.8
125°	471.3	474.4	473.2	478.3	481.4
127.5°	510.2	512.1	509.5	515.7	518.3
130°	534.9	536.7	533.6	539.4	542.4
132.5°	557.6	560.4	556.8	562.0	565.1
135°	592.2	595.2	590.3	594.8	598.5
137.5°	623.0	626.7	620.7	626.0	629.2
140°	643.1	646.8	639.4	645.1	648.8
142.5°	661.8	666.4	657.5	662.7	666.9
145°	689.1	693.4	684.7	689.2	692.9
147.5°	715.0	718.7	710.3	713.5	716.1
150°	730.6	734.3	724.9	728.2	731.2
152.5°	743.2	748.4	739.0	741.3	745.8
155°	763.3	769.5	758.9	760.9	765.8
157.5°	781.8	787.4	776.8	778.5	782.8
160°	792.9	798.4	787.9	788.6	792.9
162.5°	801.5	806.5	797.4	796.2	801.5
165°	813.7	818.0	809.3	806.9	812.4
167.5°	823.9	828.8	818.1	816.1	822.4
170°	829.4	834.3	823.1	820.1	826.9
172.5°	832.9	837.4	826.6	822.6	827.9
175°	837.0	841.3	830.0	825.7	828.1
177.5°	838.1	841.5	832.6	828.7	834.6
180°	835.1	835.1	835.1	835.1	835.1



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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	19.98	21.14	20.65	21.83	22.64	18.90	20.07	19.57	20.75	21.56
	3H	21.67	22.71	22.35	23.41	24.25	20.33	21.38	21.02	22.08	22.92
	4H	22.31	23.30	23.02	24.01	24.86	20.87	21.85	21.57	22.56	23.41
	6H	22.71	23.62	23.43	24.34	25.21	21.20	22.11	21.92	22.83	23.70
	8H	22.86	23.72	23.59	24.46	25.33	21.33	22.20	22.06	22.94	23.81
	12H	22.93	23.76	23.67	24.50	25.39	21.42	22.24	22.15	22.98	23.87
4H	2H	20.42	21.41	21.13	22.12	22.97	19.56	20.55	20.27	21.26	22.11
	3H	22.34	23.16	23.06	23.91	24.78	21.21	22.03	21.93	22.78	23.65
	4H	23.10	23.85	23.84	24.60	25.49	21.83	22.57	22.57	23.32	24.22
	6H	23.62	24.26	24.38	25.04	25.95	22.26	22.90	23.01	23.68	24.59
	8H	23.82	24.42	24.58	25.19	26.11	22.43	23.04	23.20	23.81	24.73
	12H	23.93	24.47	24.71	25.27	26.19	22.55	23.10	23.33	23.89	24.81
8H	4H	23.25	23.86	24.01	24.63	25.55	22.11	22.72	22.87	23.49	24.41
	6H	23.88	24.38	24.67	25.20	26.12	22.65	23.15	23.44	23.97	24.89
	8H	24.16	24.61	24.96	25.42	26.36	22.91	23.35	23.71	24.17	25.10
	12H	24.34	24.73	25.14	25.53	26.53	23.10	23.49	23.90	24.29	25.29
12H	4H	23.24	23.78	24.02	24.58	25.50	22.13	22.67	22.91	23.47	24.39
	6H	23.90	24.35	24.70	25.16	26.10	22.71	23.16	23.52	23.97	24.91
	8H	24.22	24.61	25.02	25.41	26.41	23.01	23.40	23.81	24.20	25.20