

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: P1439356

Luminaire Tested: CB3-125U-120D-830-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439356
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: CB3-125U-120D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

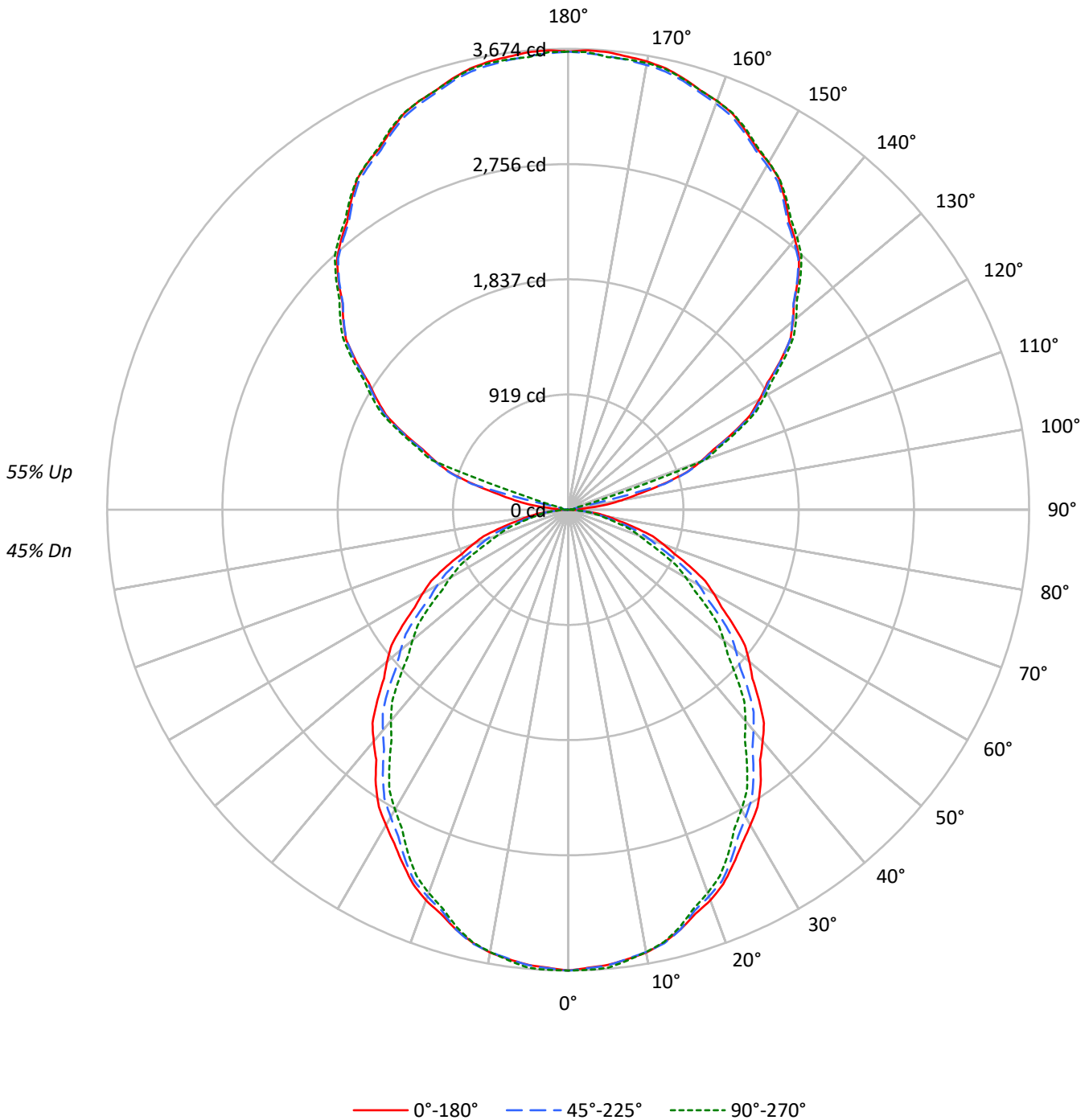
Lumens per Lamp: N/A
Luminaire Lumens: 19576.0 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 169.3
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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	81	81	81	65	65	65	51	51	51	45				
1	97	93	89	85	89	85	82	79	71	69	66	58	56	55	46	45	44	38				
2	88	81	75	70	81	74	69	65	62	58	55	51	48	46	40	39	37	32				
3	81	71	64	58	74	66	59	54	55	50	47	45	42	39	36	34	32	27				
4	74	63	55	50	67	58	51	46	49	44	40	40	37	34	32	30	27	24				
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24	21				
6	62	51	43	37	57	47	40	35	40	34	30	33	29	26	26	24	21	18				
7	58	46	38	32	53	42	35	30	36	30	26	30	26	23	24	21	19	16				
8	54	41	34	29	49	38	32	27	33	27	24	27	23	20	22	19	17	15				
9	50	38	30	25	46	35	29	24	30	25	21	25	21	18	21	18	15	13				
10	47	35	28	23	43	32	26	22	28	23	19	23	19	16	19	16	14	12				

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	1.8
10°-20°	974.0	5.0
20°-30°	1415.0	7.2
30°-40°	1608.8	8.2
40°-50°	1561.8	8.0
50°-60°	1318.6	6.7
60°-70°	938.2	4.8
70°-80°	501.2	2.6
80°-90°	132.6	0.7
90°-100°	84.3	0.4
100°-110°	610.8	3.1
110°-120°	1452.2	7.4
120°-130°	1855.3	9.5
130°-140°	2001.3	10.2
140°-150°	1886.6	9.6
150°-160°	1539.1	7.9
160°-170°	1002.8	5.1
170°-180°	346.7	1.8
0°-30°	2735.7	14.0
0°-40°	4344.5	22.2
0°-60°	7224.8	36.9
0°-90°	8796.8	44.9
90°-120°	2147.4	11.0
90°-150°	7890.7	40.3
90°-180°	10779.0	55.1
0°-180°	19576.0	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	3	0	11
95°	154	28	36	38	38	190
105°	773	784	795	58	61	816
115°	1450	1461	1464	1486	1495	1431
125°	2062	2075	2070	2092	2106	1840
135°	2590	2604	2582	2601	2618	1995
145°	3014	3033	2995	3014	3030	1886
155°	3339	3366	3319	3328	3350	1540
165°	3559	3578	3540	3529	3553	1005
175°	3661	3680	3630	3611	3622	348
180°	3652	3652	3652	3652	3652	

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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	33.9	33.4
90°	0.0	0.0	0.0	2.7	0.0
92.5°	41.8	16.0	13.2	16.0	15.4
95°	154.1	27.6	35.8	38.5	38.5
97.5°	310.5	304.6	41.8	50.1	50.6
100°	429.4	442.8	44.0	52.4	55.0
102.5°	561.5	572.8	81.5	54.6	57.3
105°	773.4	784.2	795.4	57.9	60.6
107.5°	984.3	992.3	999.7	899.9	336.9
110°	1123.0	1131.1	1134.0	1161.6	1167.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1252.9	1263.1	1268.3	1291.6	1301.3
115°	1450.5	1461.3	1464.3	1486.5	1494.6
117.5°	1638.2	1649.5	1654.7	1672.7	1685.6
120°	1761.5	1775.0	1778.1	1800.3	1811.1
122.5°	1882.6	1898.3	1897.0	1917.1	1932.2
125°	2061.6	2075.0	2069.8	2092.1	2105.6
127.5°	2231.6	2239.7	2228.3	2255.6	2266.9
130°	2339.5	2347.6	2334.0	2359.1	2372.6
132.5°	2438.6	2451.0	2435.3	2458.2	2471.7
135°	2590.0	2603.5	2581.8	2601.4	2617.5
137.5°	2724.9	2741.0	2715.0	2737.9	2751.9
140°	2813.0	2829.1	2796.4	2821.6	2837.7
142.5°	2894.4	2914.9	2875.7	2898.7	2917.0
145°	3013.9	3032.7	2994.6	3014.2	3030.4
147.5°	3127.3	3143.4	3106.9	3120.9	3132.2
150°	3195.5	3211.7	3170.8	3184.8	3198.3
152.5°	3250.6	3273.2	3232.4	3242.2	3262.1
155°	3338.7	3365.6	3319.4	3328.1	3349.7
157.5°	3419.6	3443.8	3397.6	3405.2	3424.0
160°	3468.0	3492.3	3446.0	3449.2	3468.0
162.5°	3505.5	3527.5	3487.8	3482.3	3505.5
165°	3558.9	3577.7	3539.6	3529.1	3553.4
167.5°	3603.4	3625.0	3578.1	3569.4	3596.8
170°	3627.7	3649.2	3600.1	3587.1	3616.7
172.5°	3643.1	3662.5	3615.6	3597.9	3621.1
175°	3660.7	3679.5	3630.4	3611.4	3622.2
177.5°	3665.7	3680.7	3641.4	3624.4	3650.2
180°	3652.4	3652.4	3652.4	3652.4	3652.4



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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	17.20	18.01	18.20	19.02	20.36	16.12	16.93	17.13	17.94	19.29
	3H	18.87	19.59	19.88	20.61	21.97	17.53	18.26	18.55	19.28	20.64
	4H	19.49	20.18	20.52	21.20	22.57	18.05	18.73	19.07	19.76	21.13
	6H	19.88	20.51	20.91	21.53	22.92	18.36	19.00	19.40	20.02	21.41
	8H	20.01	20.61	21.05	21.66	23.03	18.49	19.09	19.53	20.13	21.51
	12H	20.08	20.65	21.12	21.68	23.09	18.56	19.13	19.60	20.17	21.57
4H	2H	17.60	18.29	18.64	19.31	20.68	16.75	17.43	17.78	18.45	19.82
	3H	19.49	20.06	20.53	21.11	22.50	18.36	18.93	19.40	19.98	21.37
	4H	20.24	20.76	21.28	21.80	23.21	18.96	19.49	20.01	20.53	21.94
	6H	20.74	21.18	21.79	22.25	23.65	19.37	19.82	20.43	20.89	22.29
	8H	20.93	21.34	21.98	22.40	23.82	19.54	19.96	20.60	21.02	22.44
	12H	21.02	21.40	22.10	22.47	23.89	19.65	20.02	20.72	21.10	22.52
8H	4H	20.36	20.78	21.42	21.84	23.26	19.22	19.64	20.28	20.70	22.12
	6H	20.98	21.32	22.06	22.42	23.84	19.75	20.09	20.83	21.20	22.61
	8H	21.25	21.56	22.34	22.64	24.08	20.00	20.30	21.09	21.39	22.82
	12H	21.41	21.68	22.51	22.76	24.24	20.17	20.44	21.26	21.52	23.00
12H	4H	20.33	20.71	21.41	21.78	23.21	19.22	19.60	20.30	20.67	22.10
	6H	20.99	21.30	22.08	22.38	23.82	19.80	20.11	20.89	21.19	22.63
	8H	21.29	21.56	22.38	22.64	24.11	20.08	20.35	21.18	21.43	22.91