

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: P1439260

Luminaire Tested: CB3-085U-120D-830-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439260  
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: CB3-085U-120D-830-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

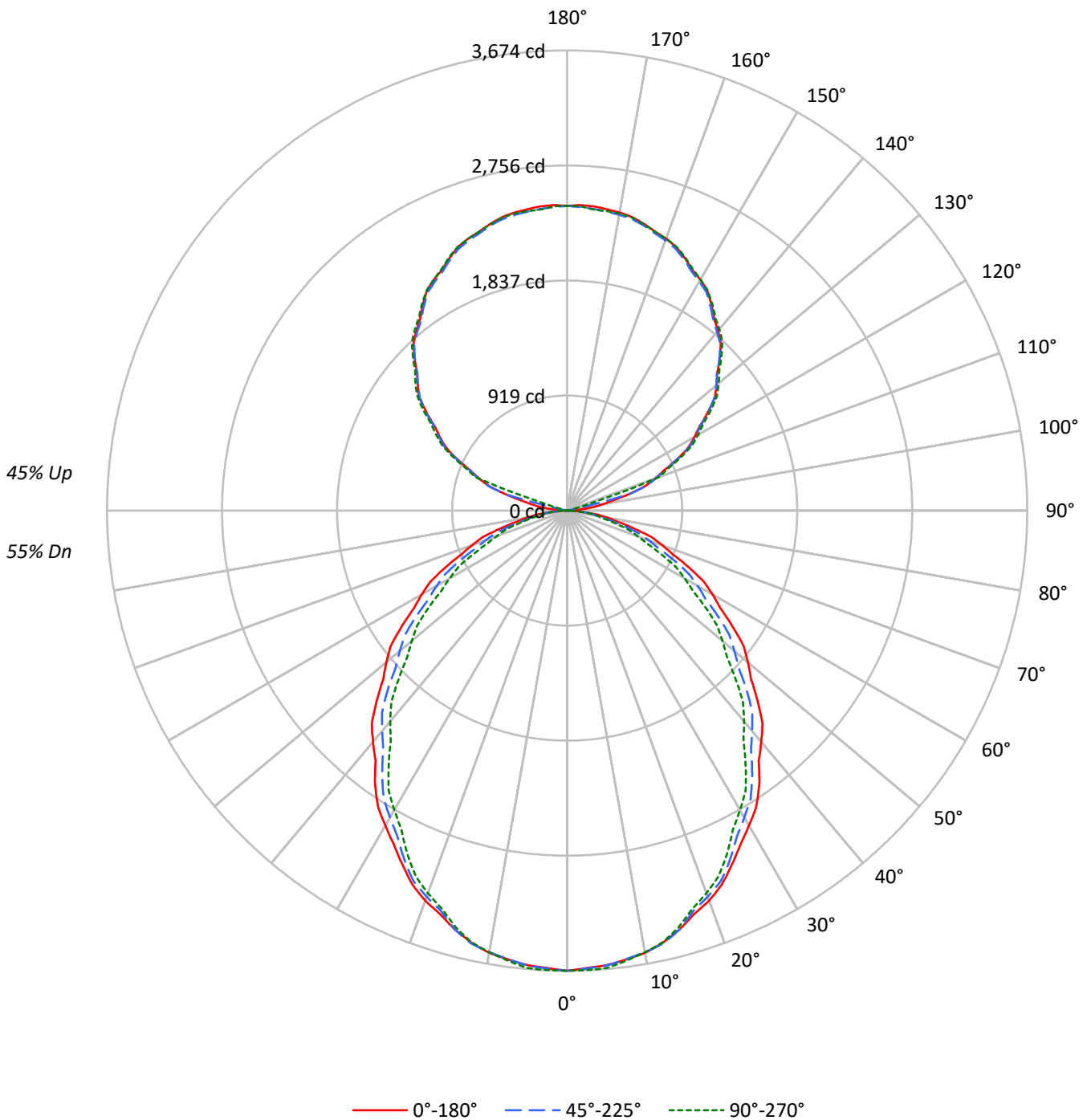
Lumens per Lamp: N/A  
Luminaire Lumens: 15975.9 lumens  
Efficiency: N/A  
Efficacy: 120.0 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 133.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55																				
1	99	95	91	88	92	88	85	82	76	73	71	65	63	61	54	53	52	47																				
2	90	83	77	72	84	77	72	68	67	63	59	57	54	51	48	46	44	40																				
3	83	73	66	60	76	68	62	57	59	54	50	50	47	44	43	40	38	34																				
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	33	29																				
5	70	58	50	44	64	54	47	42	47	41	37	41	36	33	34	31	28	25																				
6	64	52	44	38	59	49	42	36	43	37	32	37	32	29	31	28	25	22																				
7	59	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	22	20																				
8	55	43	35	30	51	40	33	28	35	30	26	31	26	23	26	23	20	18																				
9	51	39	32	27	48	37	30	25	32	27	23	28	24	21	24	21	18	16																				
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	23	19	17	15																				

**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	2.2
10°-20°	974.0	6.1
20°-30°	1415.0	8.9
30°-40°	1608.8	10.1
40°-50°	1561.8	9.8
50°-60°	1318.6	8.3
60°-70°	938.2	5.9
70°-80°	501.2	3.1
80°-90°	132.5	0.8
90°-100°	56.2	0.4
100°-110°	406.8	2.5
110°-120°	967.2	6.1
120°-130°	1235.7	7.7
130°-140°	1332.9	8.3
140°-150°	1256.5	7.9
150°-160°	1025.0	6.4
160°-170°	667.9	4.2
170°-180°	230.9	1.4
0°-30°	2735.7	17.1
0°-40°	4344.5	27.2
0°-60°	7224.8	45.2
0°-90°	8796.8	55.1
90°-120°	1430.2	9.0
90°-150°	5255.3	32.9
90°-180°	7179.0	44.9
0°-180°	15975.9	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	2	0	9
95°	103	18	24	26	26	127
105°	515	522	530	38	40	543
115°	966	973	975	990	995	953
125°	1373	1382	1378	1393	1402	1225
135°	1725	1734	1720	1733	1743	1328
145°	2007	2020	1994	2008	2018	1256
155°	2224	2242	2211	2217	2231	1025
165°	2370	2383	2357	2350	2367	669
175°	2438	2451	2418	2405	2412	232
180°	2433	2433	2433	2433	2433	

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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	33.8	33.4
90°	0.0	0.0	0.0	1.8	0.0
92.5°	27.9	10.7	8.8	10.6	10.3
95°	102.7	18.4	23.8	25.7	25.7
97.5°	206.8	202.8	27.9	33.4	33.7
100°	286.0	294.9	29.3	34.9	36.7
102.5°	374.0	381.5	54.3	36.3	38.1
105°	515.1	522.3	529.8	38.5	40.3
107.5°	655.5	660.9	665.8	599.3	224.4
110°	747.9	753.3	755.3	773.7	777.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	834.4	841.3	844.7	860.3	866.7
115°	966.1	973.2	975.2	990.0	995.4
117.5°	1091.1	1098.6	1102.1	1114.0	1122.6
120°	1173.2	1182.2	1184.2	1199.0	1206.2
122.5°	1253.9	1264.3	1263.4	1276.8	1286.9
125°	1373.0	1382.0	1378.5	1393.4	1402.4
127.5°	1486.3	1491.7	1484.1	1502.2	1509.8
130°	1558.2	1563.5	1554.5	1571.2	1580.2
132.5°	1624.2	1632.4	1622.0	1637.2	1646.2
135°	1725.0	1733.9	1719.5	1732.6	1743.3
137.5°	1814.8	1825.6	1808.2	1823.5	1832.8
140°	1873.5	1884.2	1862.5	1879.2	1890.0
142.5°	1927.7	1941.4	1915.3	1930.6	1942.8
145°	2007.3	2019.8	1994.5	2007.5	2018.3
147.5°	2082.8	2093.6	2069.2	2078.6	2086.1
150°	2128.3	2139.0	2111.8	2121.1	2130.1
152.5°	2164.9	2180.0	2152.8	2159.4	2172.6
155°	2223.6	2241.5	2210.8	2216.6	2230.9
157.5°	2277.5	2293.6	2262.8	2267.9	2280.4
160°	2309.8	2325.9	2295.1	2297.2	2309.8
162.5°	2334.7	2349.4	2323.0	2319.3	2334.7
165°	2370.2	2382.8	2357.4	2350.4	2366.6
167.5°	2399.9	2414.3	2383.1	2377.3	2395.5
170°	2416.1	2430.4	2397.7	2389.0	2408.7
172.5°	2426.3	2439.2	2408.0	2396.3	2411.7
175°	2438.1	2450.6	2417.9	2405.2	2412.4
177.5°	2441.4	2451.4	2425.2	2413.9	2431.1
180°	2432.6	2432.6	2432.6	2432.6	2432.6



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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	18.15	19.04	19.06	19.98	21.17	17.07	17.97	17.98	18.90	20.10
	3H	19.82	20.62	20.74	21.56	22.78	18.49	19.29	19.41	20.23	21.45
	4H	20.45	21.21	21.39	22.15	23.39	19.00	19.76	19.95	20.71	21.94
	6H	20.84	21.54	21.79	22.49	23.73	19.32	20.02	20.28	20.98	22.22
	8H	20.97	21.64	21.93	22.61	23.85	19.45	20.11	20.41	21.08	22.33
	12H	21.04	21.68	22.01	22.64	23.91	19.53	20.16	20.49	21.12	22.39
4H	2H	18.56	19.32	19.51	20.27	21.50	17.70	18.46	18.65	19.41	20.64
	3H	20.45	21.09	21.41	22.06	23.31	19.32	19.96	20.28	20.93	22.18
	4H	21.20	21.78	22.17	22.75	24.02	19.93	20.51	20.90	21.48	22.75
	6H	21.71	22.20	22.69	23.20	24.47	20.35	20.84	21.33	21.84	23.11
	8H	21.90	22.36	22.88	23.35	24.63	20.52	20.98	21.50	21.97	23.25
	12H	22.00	22.42	23.00	23.42	24.71	20.62	21.04	21.62	22.05	23.34
8H	4H	21.34	21.80	22.32	22.79	24.07	20.20	20.66	21.18	21.65	22.93
	6H	21.96	22.34	22.96	23.37	24.65	20.73	21.11	21.73	22.14	23.42
	8H	22.23	22.57	23.25	23.59	24.89	20.98	21.32	21.99	22.33	23.63
	12H	22.40	22.70	23.42	23.71	25.05	21.16	21.45	22.17	22.47	23.81
12H	4H	21.31	21.73	22.31	22.73	24.02	20.20	20.62	21.20	21.62	22.91
	6H	21.97	22.31	22.99	23.33	24.63	20.78	21.12	21.80	22.14	23.44
	8H	22.27	22.57	23.29	23.58	24.93	21.07	21.37	22.09	22.38	23.72