

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: P1439218

Luminaire Tested: CB3-085U-030D-830-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439218  
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-030D-830-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

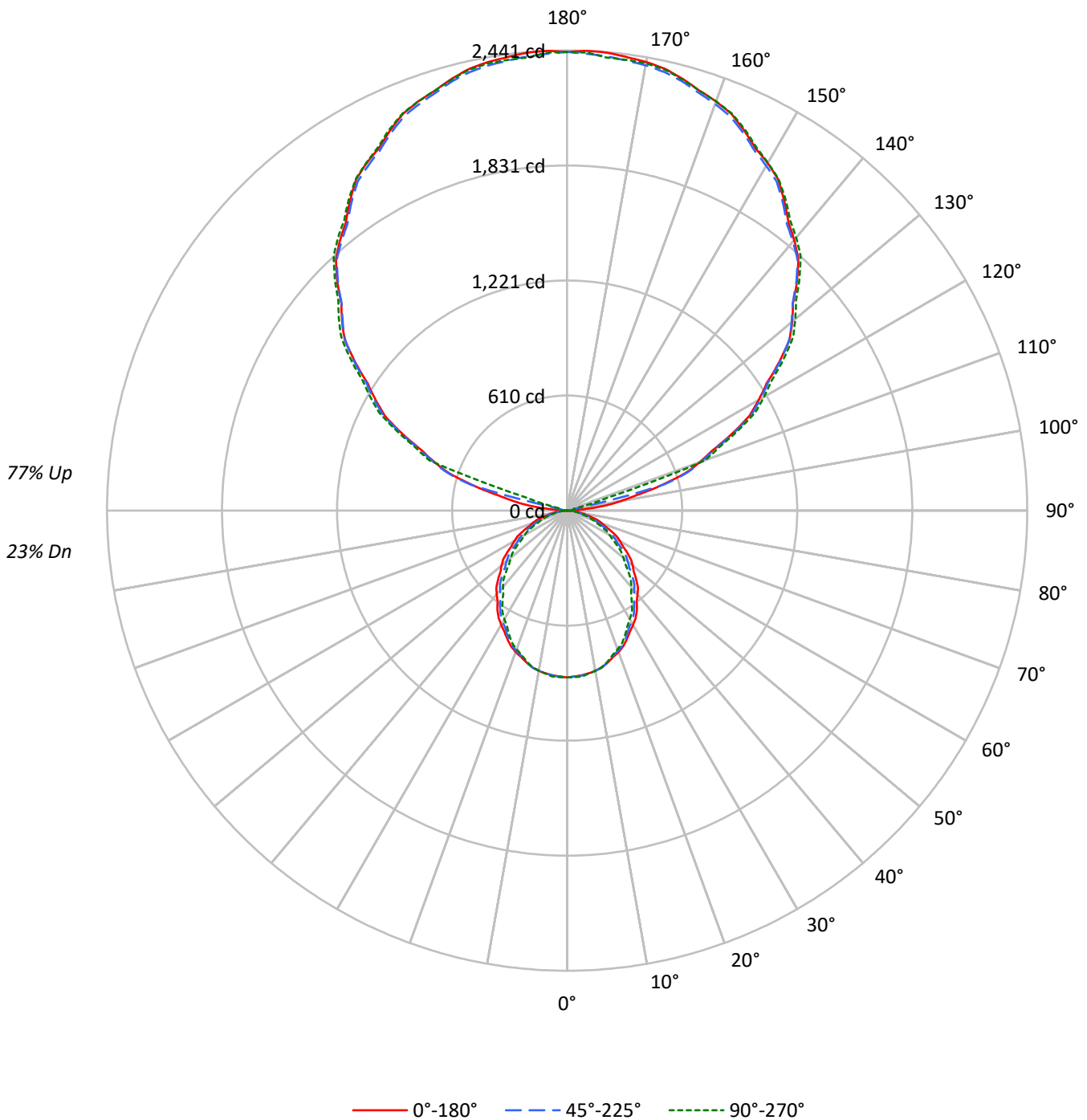
Lumens per Lamp: N/A  
Luminaire Lumens: 9298.3 lumens  
Efficiency: N/A  
Efficacy: 127.4 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 73  
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				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	0
RCR																		
0	101	101	101	101	89	89	89	89	68	68	68	49	49	49	31	31	31	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	26	19
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	24	23	22	16
3	76	67	60	55	67	60	54	49	46	42	39	33	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	41	36	37	32	28	27	24	21	17	16	14	10
6	59	47	40	34	52	42	36	31	33	28	25	24	21	19	16	14	13	9
7	54	42	35	30	48	38	32	27	30	25	22	22	19	16	14	13	11	8
8	50	38	31	26	44	34	28	24	27	22	19	20	17	15	13	11	10	7
9	47	35	28	23	41	31	25	21	25	20	17	18	15	13	12	10	9	7
10	43	32	25	20	38	29	23	19	23	18	15	17	14	12	11	9	8	6

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	5008	5008	5008
5°	4984	4987	5016
10°	4962	4955	4955
15°	4886	4886	4857
20°	4807	4757	4716
25°	4685	4627	4544
30°	4571	4452	4345
35°	4450	4285	4133
40°	4290	4085	3909
45°	4144	3908	3667
50°	3995	3696	3431
55°	3832	3491	3206
60°	3656	3279	2952
65°	3451	3037	2684
70°	3214	2756	2392
75°	2914	2418	2129
80°	2541	2026	1883
85°	1960	1714	1714

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4144 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.5	0.9
10°-20°	234.6	2.5
20°-30°	340.9	3.7
30°-40°	387.6	4.2
40°-50°	376.2	4.0
50°-60°	317.7	3.4
60°-70°	226.0	2.4
70°-80°	120.7	1.3
80°-90°	32.0	0.3
90°-100°	56.2	0.6
100°-110°	406.8	4.4
110°-120°	967.2	10.4
120°-130°	1235.7	13.3
130°-140°	1332.9	14.3
140°-150°	1256.5	13.5
150°-160°	1025.0	11.0
160°-170°	667.9	7.2
170°-180°	230.9	2.5
0°-30°	659.0	7.1
0°-40°	1046.6	11.3
0°-60°	1740.5	18.7
0°-90°	2119.2	22.8
90°-120°	1430.2	15.4
90°-150°	5255.3	56.5
90°-180°	7179.0	77.2
0°-180°	9298.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	885	885	885	885	885	
5°	878	889	878	877	883	83
15°	834	842	834	829	829	235
25°	751	753	741	731	728	346
35°	644	638	620	602	598	402
45°	518	510	488	465	458	400
55°	388	378	354	331	325	347
65°	258	248	227	207	200	255
75°	133	126	111	99	97	142
85°	30	28	26	26	26	36
90°	0	0	0	2	0	5
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°	885.2	885.2	885.2	885.2	885.2
2.5°	880.6	889.5	881.6	882.7	884.7
5°	877.6	888.7	878.2	877.1	883.3
7.5°	870.8	880.9	870.1	867.6	873.1
10°	863.8	874.8	862.5	859.5	862.5
12.5°	851.2	862.8	853.0	847.9	850.5
15°	834.2	841.6	834.2	829.2	829.2
17.5°	813.5	821.2	807.3	803.8	802.4
20°	798.4	805.2	790.2	785.2	783.3
22.5°	778.3	784.6	772.1	763.5	761.2
25°	750.6	753.1	741.2	731.1	728.0
27.5°	722.8	723.5	707.1	694.8	690.8
30°	699.7	700.3	681.5	668.2	665.1
32.5°	676.6	674.7	656.8	641.1	639.0
35°	644.4	638.2	620.5	602.2	598.5
37.5°	605.5	601.8	580.9	562.5	557.0
40°	580.9	574.7	553.2	534.9	529.3
42.5°	556.2	549.1	527.1	506.7	500.7
45°	518.0	510.0	488.5	465.1	458.3
47.5°	479.5	470.8	447.1	424.4	416.9
50°	453.9	444.7	419.9	397.8	389.8
52.5°	427.7	418.0	393.3	370.6	364.1
55°	388.5	378.1	353.9	331.2	325.0
57.5°	349.3	339.0	315.0	293.4	286.0
60°	323.1	313.3	289.8	268.3	260.9
62.5°	296.5	287.1	264.2	243.1	236.3
65°	257.8	248.5	226.9	206.7	200.5
67.5°	219.4	211.5	190.2	171.6	166.7
70°	194.3	186.9	166.6	149.5	144.6
72.5°	170.1	162.2	143.0	128.4	125.0
75°	133.3	125.9	110.6	99.3	97.4
77.5°	99.6	93.6	80.3	73.9	72.9
80°	78.0	72.4	62.2	57.8	57.8
82.5°	57.8	53.3	46.6	44.8	44.8
85°	30.2	27.7	26.4	26.4	26.4
87.5°	9.1	9.1	8.5	8.4	8.0
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	9.43	10.08	10.59	11.23	12.84	8.35	9.01	9.51	10.15	11.77
	3H	11.08	11.67	12.25	12.82	14.45	9.75	10.33	10.92	11.49	13.12
	4H	11.70	12.26	12.88	13.41	15.05	10.25	10.81	11.43	11.97	13.60
	6H	12.07	12.59	13.26	13.74	15.39	10.56	11.07	11.75	12.23	13.87
	8H	12.21	12.69	13.39	13.86	15.50	10.68	11.17	11.86	12.34	13.97
	12H	12.27	12.73	13.46	13.89	15.55	10.75	11.21	11.94	12.37	14.03
4H	2H	9.81	10.37	11.00	11.52	13.16	8.95	9.51	10.14	10.66	12.30
	3H	11.68	12.15	12.87	13.33	14.97	10.55	11.02	11.74	12.20	13.84
	4H	12.42	12.85	13.61	14.02	15.68	11.15	11.58	12.34	12.75	14.41
	6H	12.91	13.28	14.11	14.47	16.12	11.55	11.92	12.74	13.11	14.76
	8H	13.10	13.44	14.29	14.62	16.29	11.72	12.06	12.91	13.24	14.91
	12H	13.19	13.50	14.40	14.69	16.36	11.81	12.12	13.02	13.31	14.99
8H	4H	12.53	12.88	13.73	14.06	15.73	11.39	11.74	12.59	12.92	14.59
	6H	13.14	13.43	14.36	14.65	16.32	11.91	12.20	13.13	13.42	15.09
	8H	13.42	13.66	14.64	14.86	16.55	12.16	12.41	13.38	13.61	15.30
	12H	13.57	13.79	14.79	14.99	16.70	12.33	12.55	13.55	13.75	15.46
12H	4H	12.50	12.81	13.71	14.00	15.67	11.39	11.70	12.60	12.89	14.56
	6H	13.16	13.40	14.38	14.61	16.29	11.97	12.21	13.19	13.42	15.10
	8H	13.45	13.66	14.67	14.86	16.58	12.24	12.46	13.46	13.66	15.37