

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: P1439270

Luminaire Tested: CB3-085U-120D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439270  
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-935-1D-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: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

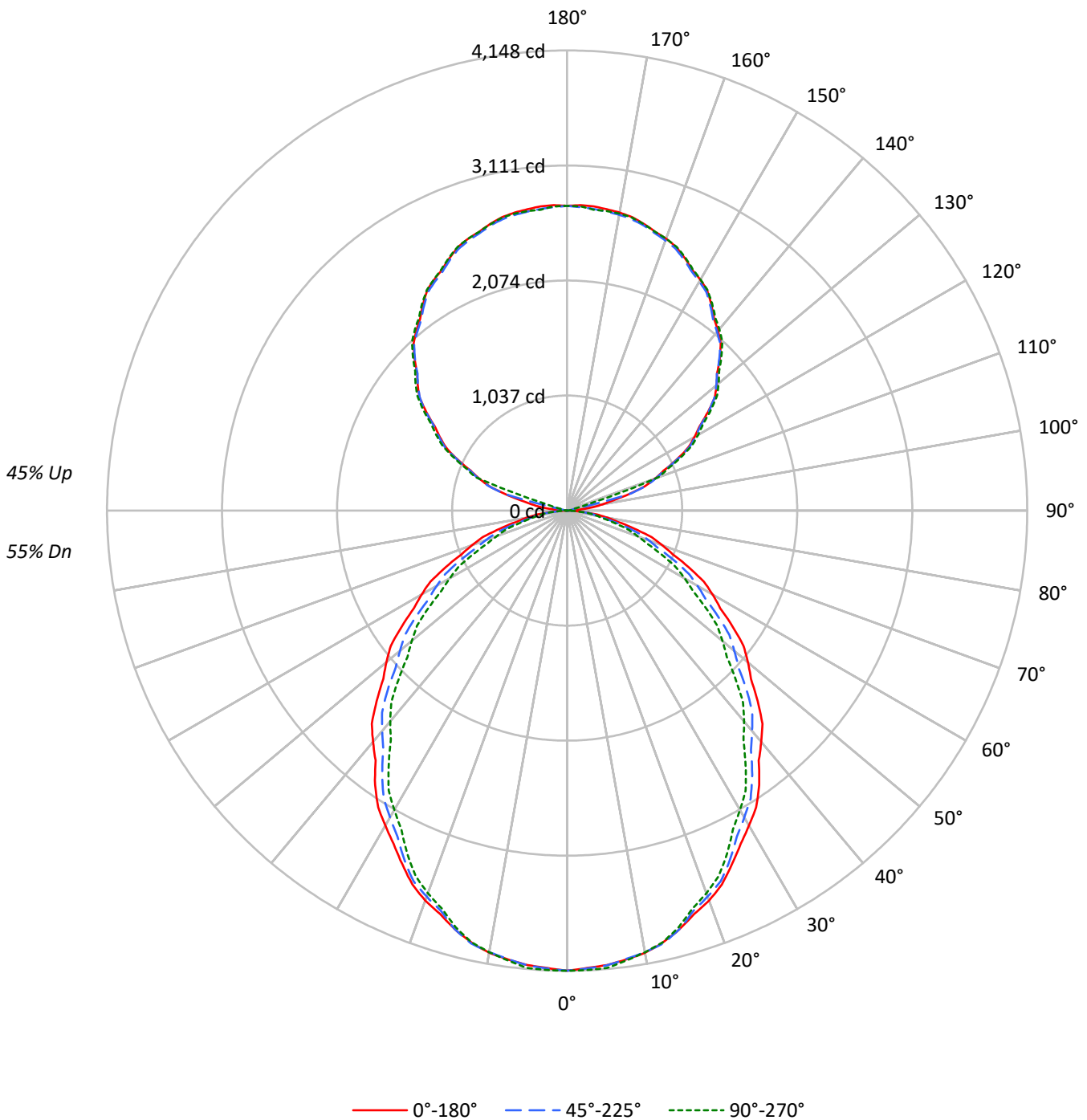
Lumens per Lamp: N/A  
Luminaire Lumens: 18035.0 lumens  
Efficiency: N/A  
Efficacy: 135.5 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: General Diffuse

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				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	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°	23465	23465	23465
5°	23354	23371	23505
10°	23252	23218	23218
15°	22896	22896	22758
20°	22524	22293	22098
25°	21956	21680	21294
30°	21419	20861	20360
35°	20854	20081	19369
40°	20102	19145	18319
45°	19421	18313	17182
50°	18719	17320	16075
55°	17957	16358	15022
60°	17133	15366	13833
65°	16168	14236	12579
70°	15057	12913	11208
75°	13650	11333	9980
80°	11901	9500	8829
85°	9178	8029	8029

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 19421 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	391.4	2.2
10°-20°	1099.5	6.1
20°-30°	1597.4	8.9
30°-40°	1816.2	10.1
40°-50°	1763.1	9.8
50°-60°	1488.5	8.3
60°-70°	1059.1	5.9
70°-80°	565.9	3.1
80°-90°	149.6	0.8
90°-100°	63.4	0.4
100°-110°	459.3	2.5
110°-120°	1091.9	6.1
120°-130°	1395.0	7.7
130°-140°	1504.7	8.3
140°-150°	1418.5	7.9
150°-160°	1157.1	6.4
160°-170°	754.0	4.2
170°-180°	260.6	1.4
0°-30°	3088.3	17.1
0°-40°	4904.4	27.2
0°-60°	8156.1	45.2
0°-90°	9930.6	55.1
90°-120°	1614.6	9.0
90°-150°	5932.7	32.9
90°-180°	8104.0	44.9
0°-180°	18035.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4148	4148	4148	4148	4148	
5°	4112	4164	4115	4110	4139	390
15°	3909	3944	3909	3886	3886	1101
25°	3517	3529	3473	3426	3411	1621
35°	3020	2991	2908	2822	2804	1882
45°	2427	2390	2289	2179	2148	1872
55°	1821	1772	1658	1552	1523	1628
65°	1208	1165	1064	969	940	1196
75°	624	590	518	465	457	666
85°	141	130	124	124	124	168
90°	0	0	0	2	0	10
95°	116	21	27	29	29	143
105°	582	590	598	44	46	613
115°	1091	1099	1101	1118	1124	1076
125°	1550	1560	1556	1573	1583	1383
135°	1947	1957	1941	1956	1968	1500
145°	2266	2280	2252	2266	2278	1418
155°	2510	2530	2496	2502	2518	1158
165°	2676	2690	2661	2653	2672	756
175°	2752	2766	2730	2715	2723	262
180°	2746	2746	2746	2746	2746	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4147.8	4147.8	4147.8	4147.8	4147.8
2.5°	4126.6	4168.1	4131.3	4136.3	4145.5
5°	4112.5	4164.3	4115.4	4110.2	4139.0
7.5°	4080.7	4127.9	4077.1	4065.4	4091.3
10°	4047.7	4099.5	4041.8	4027.4	4041.8
12.5°	3988.8	4042.9	3997.0	3973.1	3985.2
15°	3909.2	3943.8	3909.2	3885.7	3885.7
17.5°	3812.0	3848.3	3783.1	3766.5	3760.2
20°	3741.3	3773.0	3703.0	3679.2	3670.6
22.5°	3647.0	3676.4	3618.2	3577.9	3566.9
25°	3517.4	3528.9	3473.2	3425.8	3411.4
27.5°	3387.2	3390.1	3313.6	3256.0	3237.0
30°	3278.8	3281.7	3193.4	3131.2	3116.8
32.5°	3170.4	3161.7	3077.9	3004.0	2994.2
35°	3019.6	2990.8	2907.6	2821.8	2804.5
37.5°	2837.5	2820.2	2722.0	2636.0	2610.1
40°	2722.0	2693.2	2592.4	2506.4	2480.5
42.5°	2606.5	2573.1	2469.9	2374.4	2346.1
45°	2427.4	2390.0	2289.0	2179.3	2147.6
47.5°	2247.1	2206.2	2095.1	1988.9	1953.7
50°	2126.9	2083.7	1967.9	1863.9	1826.5
52.5°	2004.4	1958.9	1843.0	1736.8	1706.3
55°	1820.6	1771.6	1658.5	1551.8	1523.0
57.5°	1636.7	1588.4	1475.9	1375.0	1340.4
60°	1514.2	1468.1	1358.1	1257.1	1222.6
62.5°	1389.3	1345.5	1237.9	1139.3	1107.1
65°	1207.8	1164.6	1063.5	968.6	939.7
67.5°	1028.1	991.3	891.4	804.3	781.3
70°	910.3	875.7	780.7	700.6	677.6
72.5°	797.2	760.3	669.9	601.8	585.6
75°	624.5	590.0	518.5	465.3	456.6
77.5°	466.6	438.4	376.5	346.3	341.7
80°	365.3	339.4	291.6	271.0	271.0
82.5°	271.0	249.7	218.6	209.7	209.7
85°	141.4	129.9	123.7	123.7	123.7
87.5°	42.4	42.4	40.1	38.1	37.7
90°	0.0	0.0	0.0	2.0	0.0
92.5°	31.5	12.0	9.9	12.0	11.6
95°	115.9	20.8	26.9	29.0	29.0
97.5°	233.4	229.0	31.5	37.7	38.1
100°	322.8	332.9	33.1	39.4	41.4
102.5°	422.2	430.7	61.3	41.0	43.0
105°	581.5	589.6	598.1	43.5	45.5
107.5°	740.0	746.1	751.6	676.6	253.3
110°	844.3	850.4	852.6	873.4	877.4

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	942.0	949.7	953.6	971.1	978.4
115°	1090.6	1098.7	1100.9	1117.6	1123.7
117.5°	1231.7	1240.2	1244.1	1257.6	1267.3
120°	1324.4	1334.5	1336.8	1353.6	1361.7
122.5°	1415.5	1427.2	1426.2	1441.4	1452.7
125°	1550.0	1560.1	1556.2	1573.0	1583.1
127.5°	1677.9	1683.9	1675.4	1695.9	1704.4
130°	1759.0	1765.1	1754.9	1773.7	1783.8
132.5°	1833.5	1842.8	1831.0	1848.2	1858.3
135°	1947.3	1957.4	1941.1	1955.9	1968.0
137.5°	2048.7	2060.9	2041.3	2058.5	2069.0
140°	2114.9	2127.1	2102.5	2121.4	2133.6
142.5°	2176.2	2191.6	2162.1	2179.4	2193.2
145°	2266.0	2280.2	2251.5	2266.3	2278.4
147.5°	2351.3	2363.4	2336.0	2346.5	2355.0
150°	2402.6	2414.7	2384.0	2394.5	2404.7
152.5°	2444.0	2461.0	2430.3	2437.7	2452.7
155°	2510.2	2530.4	2495.7	2502.3	2518.5
157.5°	2571.0	2589.2	2554.5	2560.2	2574.3
160°	2607.5	2625.7	2590.9	2593.3	2607.5
162.5°	2635.6	2652.2	2622.4	2618.2	2635.6
165°	2675.7	2689.9	2661.3	2653.4	2671.6
167.5°	2709.3	2725.5	2690.2	2683.7	2704.3
170°	2727.5	2743.7	2706.8	2696.9	2719.2
172.5°	2739.1	2753.6	2718.4	2705.1	2722.5
175°	2752.3	2766.5	2729.6	2715.3	2723.3
177.5°	2756.0	2767.4	2737.8	2725.0	2744.5
180°	2746.1	2746.1	2746.1	2746.1	2746.1

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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	18.57	19.47	19.48	20.40	21.60	17.49	18.39	18.41	19.32	20.52
	3H	20.24	21.04	21.17	21.98	23.21	18.91	19.71	19.83	20.65	21.87
	4H	20.87	21.63	21.81	22.58	23.81	19.43	20.19	20.37	21.13	22.36
	6H	21.26	21.96	22.21	22.91	24.15	19.75	20.45	20.70	21.40	22.64
	8H	21.40	22.06	22.36	23.03	24.27	19.87	20.54	20.83	21.50	22.75
	12H	21.46	22.10	22.43	23.06	24.33	19.95	20.58	20.91	21.54	22.81
4H	2H	18.98	19.74	19.93	20.69	21.92	18.12	18.88	19.07	19.83	21.06
	3H	20.87	21.51	21.83	22.48	23.73	19.75	20.38	20.70	21.35	22.60
	4H	21.62	22.20	22.59	23.17	24.44	20.35	20.93	21.32	21.90	23.17
	6H	22.13	22.63	23.11	23.62	24.89	20.77	21.26	21.75	22.26	23.53
	8H	22.32	22.79	23.30	23.77	25.06	20.94	21.40	21.92	22.39	23.67
	12H	22.42	22.84	23.42	23.84	25.13	21.05	21.46	22.04	22.47	23.76
8H	4H	21.76	22.22	22.74	23.21	24.49	20.62	21.08	21.60	22.07	23.35
	6H	22.38	22.76	23.38	23.79	25.07	21.15	21.53	22.15	22.56	23.84
	8H	22.65	22.99	23.67	24.01	25.31	21.40	21.74	22.41	22.76	24.06
	12H	22.82	23.12	23.84	24.13	25.47	21.58	21.88	22.60	22.89	24.23
12H	4H	21.73	22.15	22.73	23.15	24.44	20.62	21.04	21.62	22.04	23.33
	6H	22.39	22.73	23.41	23.75	25.05	21.20	21.54	22.22	22.56	23.86
	8H	22.70	22.99	23.71	24.00	25.35	21.49	21.79	22.51	22.80	24.14