

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: P1439622

Luminaire Tested: CB3-D-125U-120D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439622
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-125U-120D-935-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

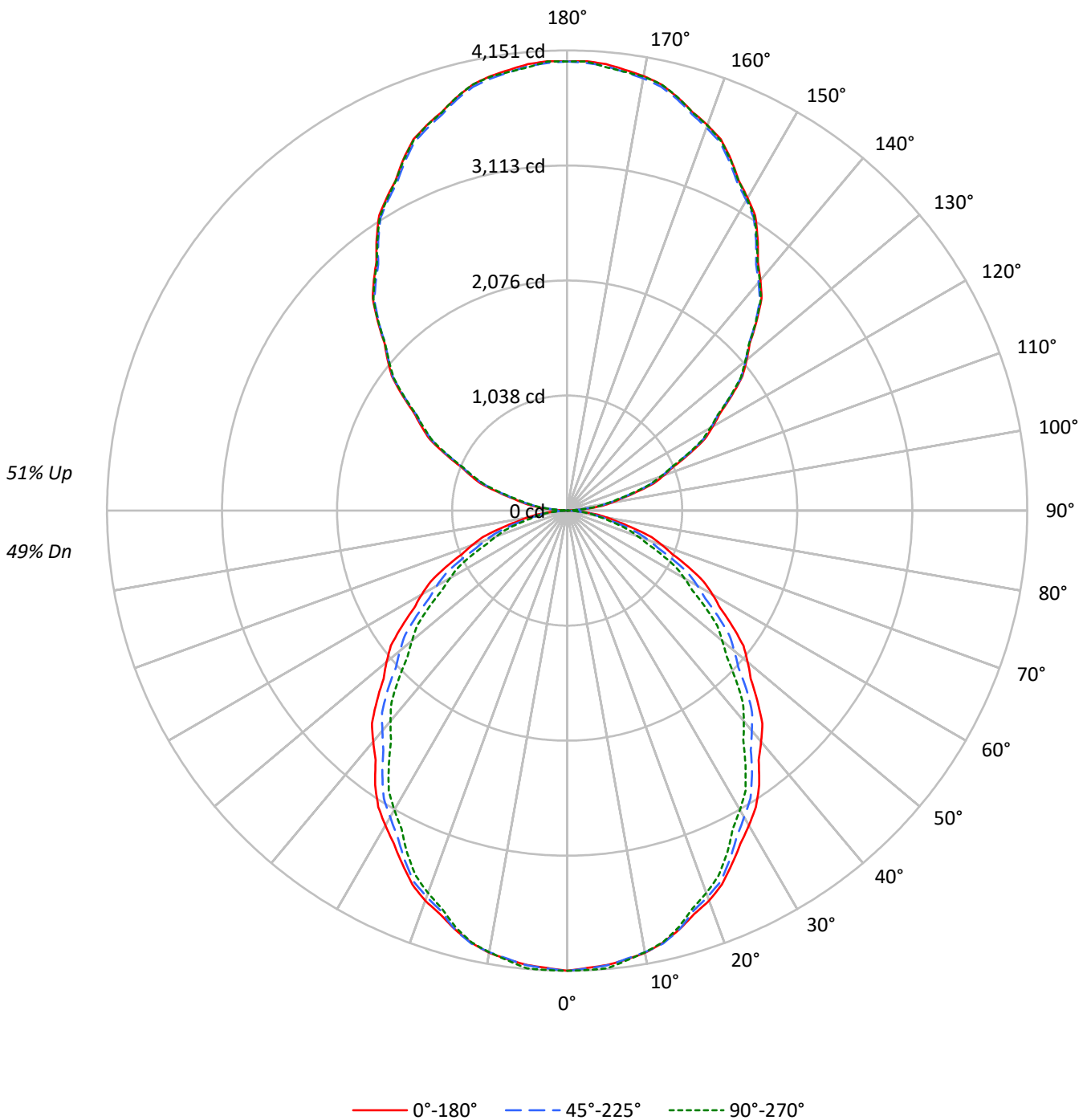
Lumens per Lamp: N/A
Luminaire Lumens: 20375.9 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

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										
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	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49																				
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47	41																				
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	40	35																				
3	81	72	65	59	75	67	60	55	57	52	48	47	44	41	38	36	34	30																				
4	75	64	56	50	68	59	52	47	50	45	41	42	38	35	34	32	29	26																				
5	68	57	49	43	63	53	46	40	45	40	35	38	34	31	31	28	26	22																				
6	63	51	43	37	58	48	40	35	41	35	31	34	30	27	28	25	23	20																				
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	18																				
8	54	42	34	29	50	39	32	27	34	28	24	29	24	21	24	21	18	16																				
9	50	38	31	26	46	36	29	25	31	26	22	26	22	19	22	19	16	14																				
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	20	17	15	13																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23483	23483	23483
5°	23372	23389	23540
10°	23270	23236	23236
15°	22914	22914	22776
20°	22543	22312	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°	391.7	1.9
10°-20°	1100.3	5.4
20°-30°	1597.8	7.8
30°-40°	1816.2	8.9
40°-50°	1763.1	8.7
50°-60°	1488.5	7.3
60°-70°	1059.1	5.2
70°-80°	565.9	2.8
80°-90°	149.5	0.7
90°-100°	171.2	0.8
100°-110°	669.9	3.3
110°-120°	1194.1	5.9
120°-130°	1615.9	7.9
130°-140°	1857.7	9.1
140°-150°	1864.1	9.1
150°-160°	1603.1	7.9
160°-170°	1085.2	5.3
170°-180°	382.7	1.9
0°-30°	3089.8	15.2
0°-40°	4906.0	24.1
0°-60°	8157.6	40.0
0°-90°	9932.0	48.7
90°-120°	2035.2	10.0
90°-150°	7372.9	36.2
90°-180°	10444.0	51.3
0°-180°	20375.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4151	4151	4151	4151	4151	
5°	4116	4167	4118	4113	4145	391
15°	3912	3947	3912	3889	3889	1102
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	0	0	12
95°	165	150	134	124	127	188
105°	649	646	624	615	609	693
115°	1218	1224	1196	1193	1190	1207
125°	1815	1836	1799	1793	1796	1622
135°	2417	2442	2402	2384	2408	1864
145°	2995	3020	2970	2956	2983	1872
155°	3496	3526	3468	3453	3489	1608
165°	3859	3892	3840	3820	3859	1087
175°	4042	4079	4024	3999	4014	384
180°	4052	4052	4052	4052	4052	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4151.0	4151.0	4151.0	4151.0	4151.0
2.5°	4129.7	4171.2	4134.5	4139.4	4148.6
5°	4115.6	4167.4	4118.5	4113.4	4145.2
7.5°	4083.8	4131.0	4080.3	4068.5	4094.4
10°	4050.8	4102.6	4044.9	4030.5	4044.9
12.5°	3991.9	4046.0	4000.1	3976.2	3988.3
15°	3912.3	3946.9	3912.3	3888.8	3888.8
17.5°	3815.1	3851.4	3786.2	3769.6	3762.6
20°	3744.4	3776.1	3706.1	3682.3	3670.6
22.5°	3650.1	3679.5	3621.3	3578.5	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	37.7	37.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	44.7	39.9	24.9	19.9	19.9
95°	164.7	149.5	133.6	124.4	127.4
97.5°	303.9	289.3	269.7	260.4	262.9
100°	400.8	388.7	366.6	357.3	357.3
102.5°	495.3	488.0	466.1	456.8	459.2
105°	649.4	646.4	624.5	615.1	609.0
107.5°	819.7	814.2	789.8	789.1	783.6
110°	929.0	926.0	904.2	901.0	898.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1040.9	1045.2	1021.0	1017.8	1014.8
115°	1218.0	1224.1	1196.3	1193.1	1190.0
117.5°	1399.5	1408.0	1378.3	1375.1	1369.6
120°	1516.3	1534.5	1497.7	1494.5	1491.4
122.5°	1635.6	1651.4	1617.0	1611.4	1610.8
125°	1814.6	1835.8	1799.0	1792.9	1795.9
127.5°	1993.6	2015.4	1981.1	1968.8	1975.5
130°	2112.9	2137.2	2100.4	2088.2	2097.3
132.5°	2234.7	2259.0	2222.2	2210.1	2224.1
135°	2417.4	2441.7	2401.8	2383.7	2408.0
137.5°	2595.7	2617.0	2573.3	2560.9	2586.4
140°	2712.5	2733.8	2687.7	2672.8	2703.2
142.5°	2826.9	2850.6	2799.5	2784.8	2817.6
145°	2995.3	3019.6	2970.4	2955.5	2982.9
147.5°	3156.9	3181.8	3132.0	3114.6	3142.6
150°	3256.3	3283.6	3231.4	3216.6	3247.0
152.5°	3353.2	3383.0	3328.4	3311.2	3348.9
155°	3495.6	3525.9	3467.6	3452.9	3489.3
157.5°	3623.6	3651.5	3598.7	3583.9	3615.5
160°	3700.6	3731.0	3675.8	3661.1	3697.5
162.5°	3767.7	3798.1	3747.9	3728.2	3764.6
165°	3859.1	3892.5	3840.4	3819.6	3859.1
167.5°	3935.5	3971.4	3916.3	3897.3	3936.8
170°	3980.3	4013.7	3958.5	3934.6	3974.1
172.5°	4010.1	4043.5	3988.3	3964.1	3991.5
175°	4042.4	4078.9	4023.8	3999.3	4014.4
177.5°	4056.7	4085.9	4041.8	4020.2	4054.2
180°	4051.7	4051.7	4051.7	4051.7	4051.7



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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	17.99	18.83	18.96	19.82	21.11	16.92	17.76	17.89	18.74	20.03
	3H	19.66	20.41	20.64	21.40	22.71	18.33	19.08	19.31	20.07	21.38
	4H	20.29	21.00	21.28	22.00	23.32	18.84	19.56	19.84	20.55	21.87
	6H	20.67	21.33	21.68	22.33	23.66	19.16	19.82	20.17	20.82	22.15
	8H	20.81	21.43	21.82	22.45	23.78	19.28	19.91	20.29	20.92	22.25
	12H	20.88	21.47	21.89	22.48	23.83	19.36	19.95	20.37	20.96	22.32
4H	2H	18.40	19.11	19.40	20.11	21.43	17.54	18.25	18.54	19.25	20.57
	3H	20.29	20.88	21.30	21.90	23.24	19.16	19.75	20.17	20.78	22.11
	4H	21.04	21.58	22.05	22.59	23.95	19.76	20.31	20.78	21.32	22.68
	6H	21.54	22.00	22.56	23.04	24.40	20.17	20.64	21.20	21.68	23.04
	8H	21.73	22.16	22.76	23.20	24.56	20.34	20.78	21.37	21.81	23.18
	12H	21.82	22.22	22.87	23.26	24.64	20.45	20.84	21.50	21.89	23.26
8H	4H	21.16	21.60	22.19	22.63	24.00	20.02	20.46	21.05	21.49	22.86
	6H	21.78	22.14	22.83	23.22	24.58	20.55	20.91	21.60	21.99	23.35
	8H	22.06	22.37	23.12	23.43	24.82	20.80	21.12	21.86	22.18	23.56
	12H	22.22	22.50	23.28	23.55	24.98	20.98	21.26	22.04	22.31	23.74
12H	4H	21.13	21.53	22.18	22.58	23.95	20.02	20.42	21.07	21.47	22.84
	6H	21.80	22.11	22.86	23.17	24.56	20.61	20.92	21.67	21.98	23.37
	8H	22.10	22.37	23.16	23.43	24.86	20.89	21.17	21.95	22.22	23.65