

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: P1439618

Luminaire Tested: CB3-D-125U-120D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439618
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-927-1D-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: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

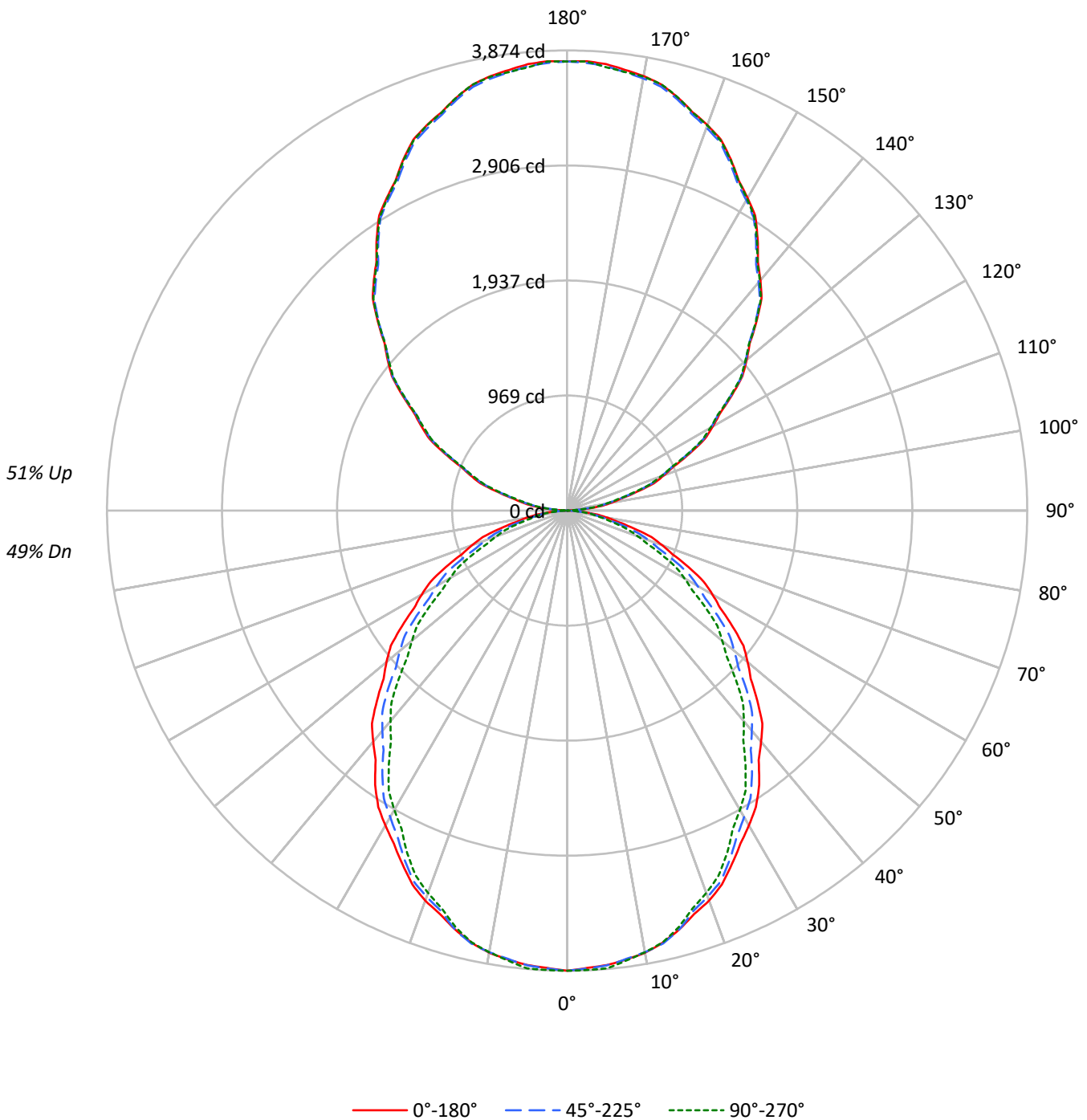
Lumens per Lamp: N/A
Luminaire Lumens: 19015.8 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

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°	21916	21916	21916
5°	21812	21827	21969
10°	21717	21685	21685
15°	21385	21385	21256
20°	21038	20823	20623
25°	20490	20233	19873
30°	19989	19468	19001
35°	19462	18740	18076
40°	18760	17867	17096
45°	18125	17091	16035
50°	17470	16163	15002
55°	16759	15266	14020
60°	15989	14340	12910
65°	15089	13286	11740
70°	14051	12052	10459
75°	12739	10577	9314
80°	11106	8868	8239
85°	8568	7497	7497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18125 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.5	1.9
10°-20°	1026.9	5.4
20°-30°	1491.1	7.8
30°-40°	1694.9	8.9
40°-50°	1645.4	8.7
50°-60°	1389.2	7.3
60°-70°	988.4	5.2
70°-80°	528.1	2.8
80°-90°	139.5	0.7
90°-100°	159.8	0.8
100°-110°	625.2	3.3
110°-120°	1114.4	5.9
120°-130°	1508.0	7.9
130°-140°	1733.7	9.1
140°-150°	1739.7	9.1
150°-160°	1496.1	7.9
160°-170°	1012.7	5.3
170°-180°	357.2	1.9
0°-30°	2883.5	15.2
0°-40°	4578.5	24.1
0°-60°	7613.1	40.0
0°-90°	9269.0	48.7
90°-120°	1899.4	10.0
90°-150°	6880.8	36.2
90°-180°	9747.0	51.3
0°-180°	19015.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3874	3874	3874	3874	3874	
5°	3841	3889	3844	3839	3868	365
15°	3651	3683	3651	3629	3629	1028
25°	3283	3293	3241	3197	3184	1513
35°	2818	2791	2714	2633	2617	1756
45°	2265	2230	2136	2034	2004	1747
55°	1699	1653	1548	1448	1421	1519
65°	1127	1087	992	904	877	1116
75°	583	551	484	434	426	621
85°	132	121	116	116	116	156
90°	0	0	0	0	0	11
95°	154	140	125	116	119	175
105°	606	603	583	574	568	647
115°	1137	1142	1116	1113	1111	1127
125°	1694	1713	1679	1673	1676	1514
135°	2256	2279	2242	2225	2247	1739
145°	2795	2818	2772	2758	2784	1747
155°	3262	3291	3236	3222	3256	1500
165°	3602	3633	3584	3565	3602	1015
175°	3773	3807	3755	3732	3746	358
180°	3781	3781	3781	3781	3781	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3873.9	3873.9	3873.9	3873.9	3873.9
2.5°	3854.1	3892.8	3858.5	3863.1	3871.7
5°	3840.9	3889.3	3843.6	3838.8	3868.5
7.5°	3811.2	3855.3	3807.9	3796.9	3821.1
10°	3780.4	3828.8	3774.9	3761.5	3774.9
12.5°	3725.4	3776.0	3733.1	3710.8	3722.1
15°	3651.2	3683.4	3651.2	3629.2	3629.2
17.5°	3560.5	3594.3	3533.5	3518.0	3511.5
20°	3494.5	3524.1	3458.7	3436.5	3425.6
22.5°	3406.5	3433.9	3379.6	3339.6	3328.8
25°	3282.6	3293.4	3241.4	3197.1	3183.7
27.5°	3161.1	3163.8	3092.4	3038.6	3020.9
30°	3059.9	3062.6	2980.2	2922.2	2908.7
32.5°	2958.8	2950.7	2872.4	2803.5	2794.4
35°	2818.0	2791.1	2713.5	2633.4	2617.3
37.5°	2648.1	2632.0	2540.3	2460.1	2435.9
40°	2540.3	2513.5	2419.4	2339.1	2314.9
42.5°	2432.6	2401.4	2305.0	2215.9	2189.5
45°	2265.4	2230.5	2136.2	2033.8	2004.2
47.5°	2097.1	2059.0	1955.3	1856.1	1823.3
50°	1985.0	1944.7	1836.5	1739.5	1704.6
52.5°	1870.6	1828.1	1719.9	1620.9	1592.4
55°	1699.1	1653.4	1547.8	1448.3	1421.4
57.5°	1527.5	1482.3	1377.4	1283.2	1250.9
60°	1413.1	1370.1	1267.4	1173.2	1141.0
62.5°	1296.6	1255.7	1155.2	1063.3	1033.2
65°	1127.2	1086.9	992.5	903.9	877.0
67.5°	959.5	925.1	831.9	750.6	729.1
70°	849.5	817.3	728.6	653.8	632.3
72.5°	744.0	709.5	625.2	561.6	546.6
75°	582.8	550.6	483.9	434.2	426.1
77.5°	435.5	409.1	351.4	323.2	318.9
80°	340.9	316.7	272.2	252.9	252.9
82.5°	252.9	233.0	204.0	195.7	195.7
85°	132.0	121.2	115.5	115.5	115.5
87.5°	39.6	39.6	37.4	35.2	35.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	41.8	37.2	23.2	18.6	18.6
95°	153.7	139.5	124.7	116.1	118.9
97.5°	283.6	270.0	251.7	243.1	245.3
100°	374.1	362.7	342.2	333.5	333.5
102.5°	462.2	455.4	435.0	426.3	428.6
105°	606.0	603.2	582.9	574.0	568.4
107.5°	765.0	759.9	737.1	736.4	731.3
110°	867.0	864.2	843.8	840.9	838.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	971.4	975.4	952.9	949.9	947.1
115°	1136.7	1142.4	1116.4	1113.4	1110.6
117.5°	1306.1	1314.0	1286.3	1283.3	1278.2
120°	1415.1	1432.1	1397.7	1394.7	1391.9
122.5°	1526.4	1541.2	1509.0	1503.8	1503.2
125°	1693.5	1713.3	1679.0	1673.2	1676.1
127.5°	1860.5	1880.9	1848.9	1837.4	1843.7
130°	1971.8	1994.5	1960.2	1948.8	1957.3
132.5°	2085.5	2108.2	2073.9	2062.6	2075.6
135°	2256.0	2278.7	2241.5	2224.6	2247.3
137.5°	2422.5	2442.3	2401.6	2389.9	2413.8
140°	2531.5	2551.3	2508.3	2494.4	2522.8
142.5°	2638.2	2660.3	2612.7	2598.9	2629.5
145°	2795.4	2818.1	2772.2	2758.3	2783.8
147.5°	2946.2	2969.4	2923.0	2906.7	2932.8
150°	3038.9	3064.5	3015.8	3001.9	3030.2
152.5°	3129.4	3157.2	3106.2	3090.2	3125.4
155°	3262.2	3290.6	3236.1	3222.4	3256.4
157.5°	3381.7	3407.8	3358.5	3344.7	3374.2
160°	3453.6	3482.0	3430.4	3416.7	3450.7
162.5°	3516.2	3544.6	3497.7	3479.3	3513.3
165°	3601.5	3632.7	3584.1	3564.6	3601.5
167.5°	3672.8	3706.3	3654.9	3637.1	3674.0
170°	3714.6	3745.8	3694.3	3671.9	3708.8
172.5°	3742.4	3773.6	3722.1	3699.5	3725.0
175°	3772.6	3806.6	3755.2	3732.3	3746.5
177.5°	3785.9	3813.1	3772.0	3751.9	3783.6
180°	3781.3	3781.3	3781.3	3781.3	3781.3



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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	17.75	18.59	18.72	19.58	20.87	16.68	17.52	17.65	18.50	19.79
	3H	19.42	20.17	20.40	21.16	22.47	18.09	18.84	19.07	19.83	21.14
	4H	20.05	20.76	21.04	21.76	23.08	18.60	19.32	19.60	20.31	21.63
	6H	20.43	21.09	21.44	22.09	23.42	18.92	19.58	19.93	20.58	21.91
	8H	20.57	21.19	21.58	22.21	23.54	19.04	19.67	20.05	20.68	22.01
	12H	20.64	21.23	21.65	22.24	23.59	19.12	19.71	20.13	20.72	22.08
4H	2H	18.16	18.87	19.16	19.87	21.19	17.30	18.01	18.30	19.01	20.33
	3H	20.05	20.64	21.06	21.66	23.00	18.92	19.51	19.93	20.54	21.87
	4H	20.80	21.34	21.81	22.35	23.71	19.52	20.07	20.54	21.08	22.44
	6H	21.30	21.76	22.32	22.80	24.16	19.93	20.40	20.96	21.44	22.79
	8H	21.49	21.92	22.52	22.96	24.32	20.10	20.54	21.13	21.57	22.94
	12H	21.58	21.98	22.63	23.02	24.40	20.21	20.60	21.26	21.65	23.02
8H	4H	20.92	21.36	21.95	22.39	23.76	19.78	20.22	20.81	21.25	22.62
	6H	21.54	21.90	22.59	22.98	24.34	20.31	20.67	21.36	21.75	23.11
	8H	21.82	22.13	22.88	23.19	24.58	20.56	20.88	21.62	21.94	23.32
	12H	21.98	22.26	23.04	23.31	24.74	20.74	21.02	21.80	22.07	23.50
12H	4H	20.89	21.29	21.94	22.34	23.71	19.78	20.18	20.83	21.23	22.60
	6H	21.56	21.87	22.62	22.93	24.32	20.37	20.68	21.43	21.74	23.13
	8H	21.86	22.13	22.92	23.19	24.62	20.65	20.93	21.71	21.98	23.41