

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: P1439602

Luminaire Tested: CB3-D-125U-055D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439602
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-055D-927-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

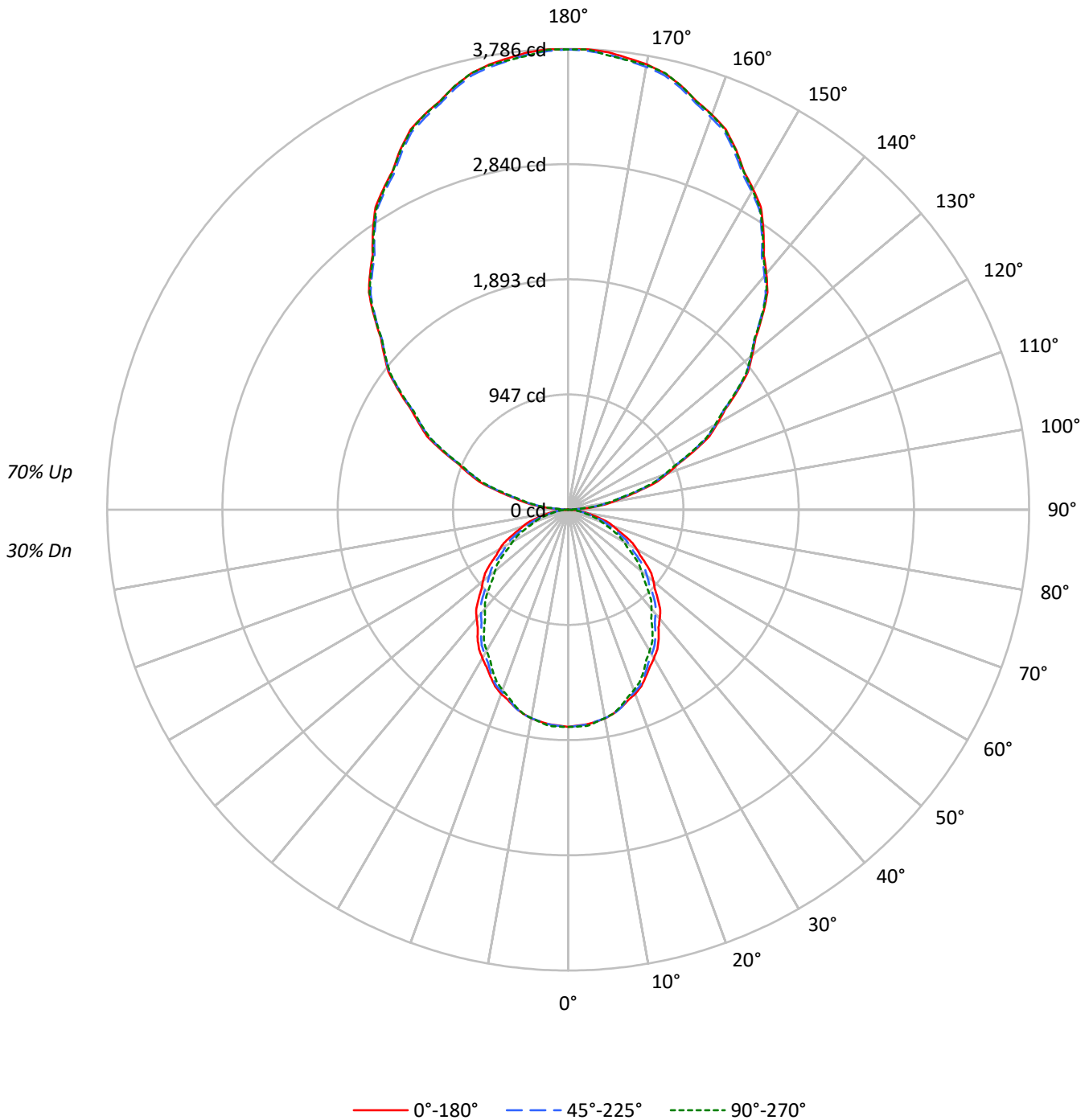
Lumens per Lamp: N/A
Luminaire Lumens: 14013.3 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 125.3
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	102	102	102	102	92	92	92	92	72	72	72	55	55	55	38	38	38	30					30															
1	94	89	86	82	84	80	77	74	64	61	60	48	47	46	34	33	32	26					26															
2	85	78	72	67	76	70	65	61	56	52	49	42	40	38	30	29	27	22					22															
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	23	19					19															
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16					16															
5	65	54	46	41	58	49	42	37	39	34	31	30	27	24	21	19	18	14					14															
6	60	48	41	35	54	44	37	32	35	30	27	27	24	21	19	17	16	12					12															
7	55	44	36	31	50	40	33	28	32	27	23	25	21	19	18	16	14	11					11															
8	51	39	32	27	46	36	29	25	29	24	21	22	19	16	16	14	12	10					10															
9	48	36	29	24	43	33	26	22	26	22	18	21	17	15	15	13	11	9					9															
10	44	33	26	21	40	30	24	20	24	20	16	19	16	13	14	12	10	8					8															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10095	10095	10095
5°	10047	10054	10128
10°	10004	9989	9989
15°	9851	9851	9791
20°	9692	9592	9491
25°	9430	9312	9146
30°	9199	8960	8745
35°	8957	8625	8319
40°	8634	8223	7868
45°	8341	7865	7380
50°	8040	7439	6905
55°	7712	7026	6452
60°	7358	6600	5941
65°	6945	6115	5403
70°	6467	5546	4813
75°	5862	4868	4286
80°	5112	4082	3792
85°	3940	3447	3447

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8341 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.4	1.2
10°-20°	473.0	3.4
20°-30°	686.4	4.9
30°-40°	780.0	5.6
40°-50°	757.3	5.4
50°-60°	639.3	4.6
60°-70°	454.9	3.2
70°-80°	243.0	1.7
80°-90°	64.2	0.5
90°-100°	159.8	1.1
100°-110°	625.2	4.5
110°-120°	1114.4	8.0
120°-130°	1508.0	10.8
130°-140°	1733.7	12.4
140°-150°	1739.7	12.4
150°-160°	1496.1	10.7
160°-170°	1012.7	7.2
170°-180°	357.2	2.5
0°-30°	1327.8	9.5
0°-40°	2107.9	15.0
0°-60°	3504.5	25.0
0°-90°	4266.6	30.4
90°-120°	1899.4	13.6
90°-150°	6880.8	49.1
90°-180°	9747.0	69.6
0°-180°	14013.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1784	1784	1784	1784	1784	
5°	1769	1792	1770	1768	1784	168
15°	1682	1697	1682	1672	1672	474
25°	1511	1516	1492	1471	1465	696
35°	1297	1284	1249	1212	1204	808
45°	1043	1026	983	936	922	804
55°	782	761	712	666	654	699
65°	519	500	457	416	404	514
75°	268	253	223	200	196	286
85°	61	56	53	53	53	72
90°	0	0	0	0	0	8
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°	1784.4	1784.4	1784.4	1784.4	1784.4
2.5°	1775.3	1793.1	1777.3	1779.4	1783.4
5°	1769.2	1791.5	1770.5	1768.3	1783.5
7.5°	1755.6	1775.8	1754.0	1749.0	1760.1
10°	1741.4	1763.7	1738.9	1732.7	1738.9
12.5°	1716.1	1739.3	1719.6	1709.4	1714.6
15°	1681.9	1696.8	1681.9	1671.8	1671.8
17.5°	1640.2	1655.7	1627.8	1620.6	1617.3
20°	1609.8	1623.4	1593.3	1583.1	1576.5
22.5°	1569.3	1581.9	1556.9	1537.3	1532.0
25°	1510.7	1515.7	1491.8	1471.4	1465.2
27.5°	1454.8	1456.0	1423.2	1398.4	1390.3
30°	1408.2	1409.5	1371.6	1344.8	1338.7
32.5°	1361.7	1358.0	1322.0	1290.2	1286.0
35°	1296.9	1284.5	1248.8	1212.0	1204.5
37.5°	1218.7	1211.3	1169.1	1132.2	1121.0
40°	1169.1	1156.7	1113.4	1076.5	1065.4
42.5°	1119.5	1105.2	1060.8	1019.8	1007.7
45°	1042.6	1026.5	983.1	936.0	922.4
47.5°	965.1	947.6	899.9	854.2	839.1
50°	913.5	895.0	845.2	800.6	784.5
52.5°	860.9	841.3	791.6	746.0	732.8
55°	781.9	760.9	712.3	666.5	654.1
57.5°	703.0	682.2	633.9	590.5	575.7
60°	650.3	630.6	583.3	539.9	525.1
62.5°	596.7	577.9	531.7	489.3	475.5
65°	518.8	500.2	456.8	416.0	403.6
67.5°	441.6	425.7	382.9	345.4	335.5
70°	391.0	376.1	335.3	300.9	291.0
72.5°	342.4	326.5	287.7	258.5	251.5
75°	268.2	253.4	222.7	199.8	196.1
77.5°	200.4	188.3	161.7	148.8	146.8
80°	156.9	145.8	125.3	116.4	116.4
82.5°	116.4	107.2	93.9	90.1	90.1
85°	60.7	55.8	53.1	53.1	53.1
87.5°	18.2	18.2	17.2	16.2	16.2
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	13.02	13.72	14.13	14.83	16.35	11.94	12.64	13.05	13.75	15.27
	3H	14.67	15.30	15.79	16.42	17.96	13.34	13.97	14.46	15.08	16.63
	4H	15.30	15.89	16.42	17.01	18.56	13.85	14.45	14.98	15.56	17.11
	6H	15.67	16.22	16.81	17.34	18.90	14.16	14.71	15.30	15.83	17.39
	8H	15.81	16.33	16.95	17.46	19.01	14.28	14.80	15.42	15.93	17.49
	12H	15.87	16.36	17.01	17.49	19.06	14.35	14.85	15.49	15.97	17.55
4H	2H	13.41	14.00	14.54	15.12	16.67	12.55	13.15	13.68	14.26	15.81
	3H	15.28	15.78	16.42	16.92	18.48	14.15	14.65	15.29	15.79	17.35
	4H	16.02	16.48	17.17	17.61	19.19	14.75	15.21	15.90	16.34	17.92
	6H	16.52	16.91	17.67	18.06	19.63	15.16	15.55	16.31	16.70	18.27
	8H	16.71	17.07	17.86	18.21	19.80	15.32	15.69	16.47	16.83	18.42
	12H	16.80	17.13	17.96	18.28	19.87	15.42	15.75	16.59	16.91	18.50
8H	4H	16.14	16.51	17.29	17.65	19.24	15.00	15.37	16.15	16.51	18.10
	6H	16.75	17.06	17.92	18.24	19.83	15.52	15.83	16.69	17.01	18.60
	8H	17.03	17.29	18.20	18.46	20.06	15.78	16.04	16.95	17.20	18.81
	12H	17.18	17.42	18.36	18.58	20.22	15.94	16.18	17.12	17.34	18.98
12H	4H	16.11	16.44	17.27	17.59	19.19	15.00	15.33	16.16	16.48	18.08
	6H	16.77	17.03	17.95	18.20	19.80	15.58	15.84	16.76	17.01	18.61
	8H	17.06	17.29	18.24	18.45	20.09	15.85	16.09	17.03	17.25	18.89