

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: P1438813

Luminaire Tested: CB2-125U-055D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438813
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-125U-055D-927-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

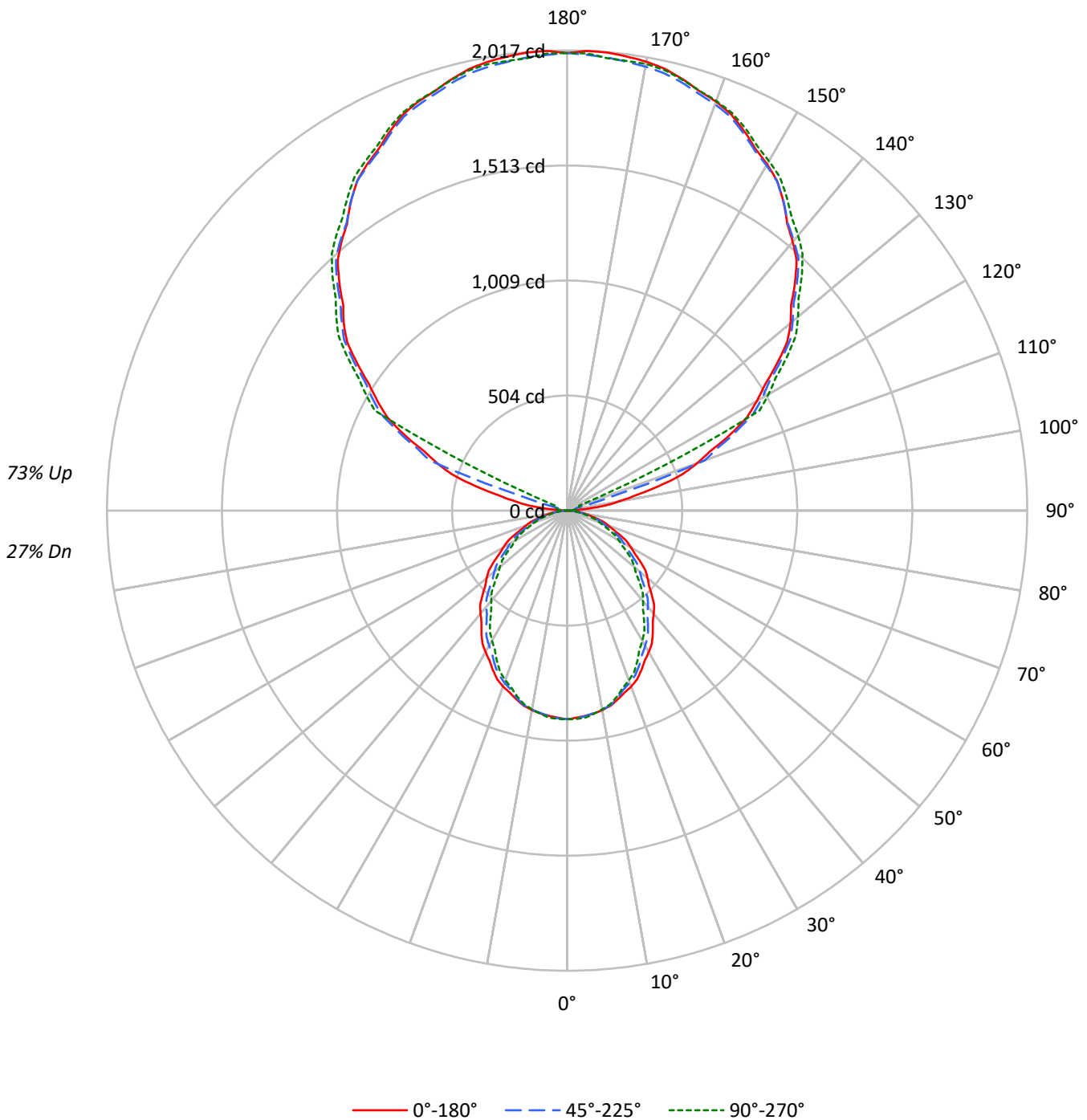
Lumens per Lamp: N/A
Luminaire Lumens: 7850.3 lumens
Efficiency: N/A
Efficacy: 136.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 57.5
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	91	91	91	91	71	71	71	52	52	52	35	35	35	27																				
1	93	89	85	82	83	79	76	73	62	60	58	46	45	43	31	30	30	23																				
2	85	77	72	67	75	69	65	60	54	51	48	40	38	36	28	26	25	19																				
3	77	68	61	56	69	61	55	50	48	44	40	36	33	31	24	23	22	17																				
4	70	60	53	47	63	54	48	43	43	38	34	32	29	26	22	20	19	14																				
5	65	54	46	40	58	48	42	37	38	33	30	29	25	23	20	18	16	13																				
6	59	48	40	35	53	43	37	32	34	29	26	26	23	20	18	16	14	11																				
7	55	43	36	30	49	39	32	28	31	26	23	23	20	18	16	14	13	10																				
8	51	39	32	27	45	35	29	24	28	23	20	21	18	16	15	13	11	9																				
9	47	36	28	24	42	32	26	22	26	21	18	20	16	14	14	12	10	8																				
10	44	32	26	21	39	29	23	19	24	19	16	18	15	13	13	11	9	7																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15930	15930	15930
5°	15795	15819	15930
10°	15705	15668	15656
15°	15457	15356	15230
20°	15214	14874	14667
25°	14804	14387	13983
30°	14394	13761	13240
35°	13923	13119	12494
40°	13424	12514	11782
45°	12919	11885	11092
50°	12467	11272	10419
55°	11910	10634	9781
60°	11269	10025	9148
65°	10592	9351	8515
70°	9844	8596	7705
75°	8957	7779	6972
80°	8004	6811	6319
85°	6155	5596	4616

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12919 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	1.1
10°-20°	239.8	3.1
20°-30°	344.7	4.4
30°-40°	387.5	4.9
40°-50°	374.3	4.8
50°-60°	316.2	4.0
60°-70°	227.1	2.9
70°-80°	124.2	1.6
80°-90°	33.1	0.4
90°-100°	34.9	0.4
100°-110°	222.4	2.8
110°-120°	706.6	9.0
120°-130°	1025.5	13.1
130°-140°	1102.8	14.0
140°-150°	1038.4	13.2
150°-160°	845.9	10.8
160°-170°	550.6	7.0
170°-180°	190.3	2.4
0°-30°	670.5	8.5
0°-40°	1057.9	13.5
0°-60°	1748.5	22.3
0°-90°	2132.8	27.2
90°-120°	964.0	12.3
90°-150°	4130.7	52.6
90°-180°	5717.0	72.8
0°-180°	7850.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	915	915	915	915	915	
5°	903	916	905	905	911	86
15°	857	865	852	843	845	242
25°	770	771	749	732	728	355
35°	655	647	617	593	588	409
45°	524	514	482	457	450	405
55°	392	378	350	328	322	351
65°	257	247	227	211	207	255
75°	133	125	116	106	104	142
85°	31	29	28	24	23	37
90°	0	0	0	1	1	4
95°	80	23	25	16	14	101
105°	418	433	44	51	54	440
115°	790	807	815	824	473	777
125°	1122	1142	1142	1162	1177	1003
135°	1412	1429	1427	1436	1454	1089
145°	1653	1666	1654	1656	1678	1033
155°	1836	1847	1827	1823	1849	846
165°	1957	1963	1943	1935	1954	553
175°	2015	2020	1994	1981	1991	192
180°	2005	2005	2005	2005	2005	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	914.6	914.6	914.6	914.6	914.6
2.5°	908.4	919.4	911.2	912.4	914.0
5°	903.4	915.7	904.8	904.9	911.1
7.5°	896.9	908.6	894.8	892.3	898.1
10°	888.0	899.6	885.9	881.1	885.2
12.5°	876.2	887.3	874.1	866.5	870.1
15°	857.2	864.7	851.6	843.2	844.6
17.5°	836.4	841.1	822.2	815.1	813.8
20°	820.8	824.9	802.5	792.7	791.3
22.5°	800.6	804.1	780.7	768.6	766.7
25°	770.3	771.0	748.6	731.7	727.6
27.5°	738.7	736.5	711.6	691.6	686.3
30°	715.7	713.0	684.2	663.1	658.3
32.5°	691.1	686.1	657.3	634.5	629.7
35°	654.8	647.3	617.0	593.0	587.6
37.5°	616.1	607.6	577.9	551.8	545.7
40°	590.4	580.8	550.4	524.4	518.2
42.5°	564.6	553.9	523.0	496.9	490.2
45°	524.5	513.6	482.5	457.1	450.3
47.5°	486.4	472.5	442.3	417.1	410.2
50°	460.1	445.0	416.0	391.3	384.5
52.5°	433.2	417.6	389.6	366.1	359.3
55°	392.2	377.8	350.2	328.3	322.1
57.5°	351.6	337.7	312.5	291.6	285.6
60°	323.5	311.9	287.8	268.1	262.6
62.5°	296.6	286.1	263.2	245.1	239.6
65°	257.0	247.4	226.9	210.7	206.6
67.5°	218.5	208.9	192.3	177.8	173.1
70°	193.3	183.7	168.8	155.4	151.3
72.5°	169.2	159.1	146.9	134.7	131.7
75°	133.1	124.8	115.6	106.4	103.6
77.5°	101.1	93.2	86.4	80.0	79.3
80°	79.8	73.0	67.9	63.7	63.0
82.5°	59.7	54.5	51.1	48.0	47.9
85°	30.8	28.8	28.0	24.5	23.1
87.5°	9.0	9.0	7.8	7.0	7.0
90°	0.0	0.0	0.0	1.4	1.4
92.5°	22.0	8.4	5.8	8.4	8.4
95°	79.7	23.0	24.6	15.9	14.5
97.5°	165.6	37.1	35.7	39.2	40.6
100°	230.5	76.0	39.1	45.0	46.4
102.5°	302.4	286.3	40.3	48.5	51.0
105°	417.6	433.2	43.5	50.8	53.6
107.5°	530.7	546.3	202.4	52.6	55.4
110°	606.1	621.6	640.8	53.7	56.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	676.8	695.8	710.4	119.5	58.9
115°	790.2	807.2	814.8	824.2	472.7
117.5°	890.2	911.2	919.8	936.1	952.0
120°	959.8	979.7	985.9	1002.3	1019.3
122.5°	1028.3	1045.8	1049.7	1068.3	1084.2
125°	1122.2	1142.1	1142.5	1161.7	1177.3
127.5°	1216.2	1233.2	1232.4	1246.7	1264.0
130°	1278.8	1290.1	1290.4	1302.4	1320.8
132.5°	1331.0	1346.9	1347.2	1356.9	1375.4
135°	1412.2	1429.2	1426.7	1435.8	1454.2
137.5°	1488.4	1504.9	1500.3	1508.0	1527.0
140°	1538.3	1552.5	1545.6	1553.3	1574.6
142.5°	1584.7	1598.9	1588.5	1595.1	1617.5
145°	1652.9	1665.6	1654.3	1656.2	1677.5
147.5°	1713.5	1725.9	1712.3	1714.2	1734.1
150°	1752.9	1764.2	1747.1	1749.0	1768.9
152.5°	1787.7	1797.9	1779.6	1779.2	1802.5
155°	1835.6	1846.9	1826.9	1823.1	1848.6
157.5°	1879.0	1889.5	1869.5	1866.7	1886.6
160°	1908.0	1915.1	1895.0	1891.1	1910.9
162.5°	1927.8	1936.0	1915.9	1909.7	1929.5
165°	1957.3	1963.0	1942.8	1934.6	1954.4
167.5°	1982.9	1989.4	1963.4	1956.1	1977.3
170°	1997.9	2002.2	1976.2	1966.5	1987.8
172.5°	2007.2	2010.3	1984.3	1973.3	1987.8
175°	2015.3	2019.6	1993.6	1980.8	1990.7
177.5°	2016.8	2019.1	1999.4	1988.2	2005.2
180°	2005.2	2005.2	2005.2	2005.2	2005.2



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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	14.00	14.68	15.13	15.80	17.37	12.90	13.58	14.03	14.70	16.27
	3H	15.63	16.24	16.77	17.37	18.95	14.41	15.02	15.55	16.15	17.73
	4H	16.25	16.83	17.40	17.96	19.55	14.98	15.56	16.13	16.69	18.27
	6H	16.64	17.18	17.80	18.31	19.91	15.34	15.87	16.50	17.01	18.60
	8H	16.79	17.29	17.95	18.44	20.03	15.47	15.98	16.64	17.13	18.72
	12H	16.85	17.34	18.02	18.48	20.09	15.53	16.01	16.70	17.16	18.77
4H	2H	14.39	14.97	15.54	16.10	17.68	13.51	14.09	14.67	15.22	16.81
	3H	16.24	16.72	17.40	17.88	19.48	15.23	15.71	16.39	16.87	18.47
	4H	16.98	17.42	18.14	18.57	20.18	15.90	16.34	17.06	17.49	19.10
	6H	17.49	17.87	18.66	19.04	20.64	16.36	16.74	17.53	17.91	19.52
	8H	17.69	18.04	18.86	19.20	20.83	16.55	16.90	17.72	18.06	19.69
	12H	17.78	18.11	18.97	19.28	20.91	16.63	16.95	17.81	18.12	19.75
8H	4H	17.12	17.47	18.29	18.63	20.26	16.16	16.51	17.32	17.67	19.29
	6H	17.75	18.05	18.94	19.25	20.87	16.75	17.05	17.94	18.25	19.87
	8H	18.04	18.30	19.24	19.48	21.12	17.03	17.28	18.22	18.46	20.10
	12H	18.21	18.43	19.41	19.61	21.28	17.17	17.39	18.37	18.57	20.24
12H	4H	17.09	17.41	18.28	18.58	20.21	16.15	16.47	17.34	17.64	19.27
	6H	17.78	18.04	18.98	19.22	20.86	16.81	17.07	18.01	18.25	19.89
	8H	18.09	18.31	19.29	19.49	21.16	17.11	17.34	18.31	18.51	20.19