

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: P1439603

Luminaire Tested: CB3-D-125U-055D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439603  
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-930-1D-UNV-STD-W-4  
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: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

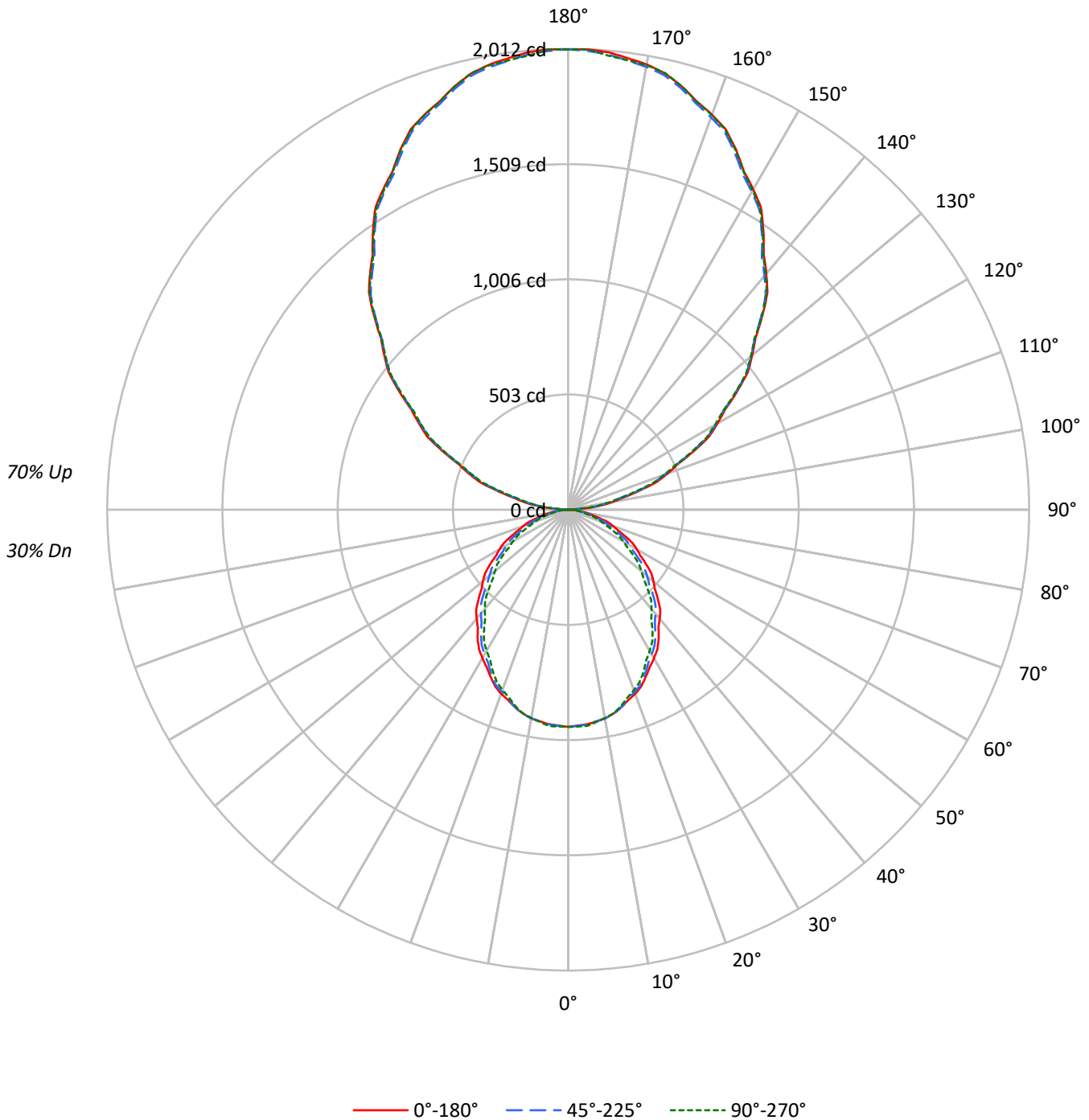
Lumens per Lamp: N/A  
Luminaire Lumens: 7446.5 lumens  
Efficiency: N/A  
Efficacy: 138.4 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 53.8  
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	102	102	102	102	92	92	92	92	72	72	72	55	55	55	38	38	38	30
1	94	89	86	82	84	80	77	74	64	61	60	48	47	46	34	33	32	26
2	85	78	72	67	76	70	65	61	56	52	49	42	40	38	30	29	27	22
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	23	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16
5	65	54	46	41	58	49	42	37	39	34	31	30	27	24	21	19	18	14
6	60	48	41	35	54	44	37	32	35	30	27	27	24	21	19	17	16	12
7	55	44	36	31	50	40	33	28	32	27	23	25	21	19	18	16	14	11
8	51	39	32	27	46	36	29	25	29	24	21	22	19	16	16	14	12	10
9	48	36	29	24	43	33	26	22	26	22	18	21	17	15	15	13	11	9
10	44	33	26	21	40	30	24	20	24	20	16	19	16	13	14	12	10	8

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	10728	10728	10728
5°	10677	10685	10764
10°	10632	10616	10616
15°	10470	10470	10406
20°	10300	10195	10088
25°	10022	9896	9720
30°	9776	9522	9293
35°	9520	9166	8841
40°	9177	8739	8361
45°	8865	8359	7842
50°	8544	7905	7338
55°	8196	7466	6857
60°	7821	7015	6314
65°	7381	6498	5743
70°	6874	5895	5114
75°	6230	5172	4555
80°	5434	4340	4033
85°	4193	3661	3661

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8865 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.5	1.2
10°-20°	251.4	3.4
20°-30°	364.8	4.9
30°-40°	414.5	5.6
40°-50°	402.4	5.4
50°-60°	339.7	4.6
60°-70°	241.7	3.2
70°-80°	129.1	1.7
80°-90°	34.1	0.5
90°-100°	84.9	1.1
100°-110°	332.2	4.5
110°-120°	592.1	8.0
120°-130°	801.3	10.8
130°-140°	921.3	12.4
140°-150°	924.5	12.4
150°-160°	795.0	10.7
160°-170°	538.2	7.2
170°-180°	189.8	2.5
0°-30°	705.6	9.5
0°-40°	1120.1	15.0
0°-60°	1862.2	25.0
0°-90°	2267.2	30.4
90°-120°	1009.3	13.6
90°-150°	3656.3	49.1
90°-180°	5179.0	69.5
0°-180°	7446.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	948	948	948	948	948	
5°	940	952	941	940	948	89
15°	894	902	894	888	888	252
25°	803	805	793	782	779	370
35°	689	683	664	644	640	429
45°	554	546	522	497	490	427
55°	416	404	378	354	348	371
65°	276	266	243	221	214	273
75°	142	135	118	106	104	152
85°	32	30	28	28	28	38
90°	0	0	0	0	0	4
95°	82	74	66	62	63	93
105°	322	320	310	305	302	344
115°	604	607	593	592	590	599
125°	900	910	892	889	891	805
135°	1199	1211	1191	1182	1194	924
145°	1485	1498	1473	1466	1479	928
155°	1734	1749	1720	1712	1730	797
165°	1914	1930	1905	1894	1914	539
175°	2005	2023	1996	1983	1991	190
180°	2009	2009	2009	2009	2009	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	948.2	948.2	948.2	948.2	948.2
2.5°	943.4	952.8	944.4	945.6	947.7
5°	940.1	952.0	940.8	939.7	947.7
7.5°	932.9	943.7	932.1	929.4	935.3
10°	925.4	937.2	924.0	920.7	924.0
12.5°	911.9	924.3	913.8	908.3	911.1
15°	893.8	901.6	893.8	888.4	888.4
17.5°	871.6	879.8	865.0	861.2	859.4
20°	855.4	862.7	846.7	841.2	837.8
22.5°	833.9	840.6	827.3	816.9	814.1
25°	802.8	805.4	792.7	781.9	778.6
27.5°	773.1	773.7	756.3	743.1	738.8
30°	748.3	749.0	728.8	714.6	711.3
32.5°	723.6	721.6	702.5	685.6	683.4
35°	689.2	682.6	663.6	644.0	640.1
37.5°	647.6	643.7	621.3	601.6	595.7
40°	621.3	614.7	591.7	572.0	566.1
42.5°	594.9	587.3	563.7	541.9	535.5
45°	554.0	545.5	522.4	497.4	490.1
47.5°	512.9	503.5	478.2	453.9	445.9
50°	485.4	475.6	449.1	425.4	416.9
52.5°	457.5	447.1	420.6	396.4	389.4
55°	415.5	404.3	378.5	354.2	347.6
57.5°	373.6	362.5	336.8	313.8	305.9
60°	345.6	335.1	310.0	286.9	279.0
62.5°	317.1	307.1	282.5	260.0	252.7
65°	275.7	265.8	242.7	221.1	214.5
67.5°	234.7	226.2	203.5	183.6	178.3
70°	207.8	199.9	178.2	159.9	154.6
72.5°	181.9	173.5	152.9	137.3	133.7
75°	142.5	134.6	118.3	106.2	104.2
77.5°	106.5	100.1	85.9	79.0	78.0
80°	83.4	77.5	66.6	61.9	61.9
82.5°	61.9	57.0	49.9	47.9	47.9
85°	32.3	29.6	28.2	28.2	28.2
87.5°	9.7	9.7	9.1	8.6	8.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	22.2	19.8	12.3	9.9	9.9
95°	81.7	74.1	66.3	61.7	63.2
97.5°	150.7	143.5	133.8	129.2	130.4
100°	198.8	192.7	181.8	177.2	177.2
102.5°	245.6	242.0	231.1	226.5	227.7
105°	322.0	320.5	309.7	305.0	302.0
107.5°	406.5	403.8	391.7	391.3	388.6
110°	460.7	459.2	448.4	446.8	445.3

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	516.2	518.3	506.3	504.8	503.3
115°	604.0	607.0	593.2	591.7	590.2
117.5°	694.0	698.2	683.5	681.9	679.2
120°	752.0	761.0	742.7	741.1	739.6
122.5°	811.1	819.0	801.9	799.1	798.8
125°	899.9	910.4	892.2	889.1	890.6
127.5°	988.6	999.5	982.5	976.4	979.7
130°	1047.8	1059.9	1041.7	1035.6	1040.1
132.5°	1108.2	1120.3	1102.1	1096.0	1103.0
135°	1198.8	1210.9	1191.1	1182.1	1194.2
137.5°	1287.3	1297.8	1276.2	1270.0	1282.6
140°	1345.2	1355.8	1332.9	1325.5	1340.6
142.5°	1401.9	1413.7	1388.4	1381.0	1397.3
145°	1485.4	1497.5	1473.1	1465.7	1479.3
147.5°	1565.6	1577.9	1553.2	1544.6	1558.5
150°	1614.9	1628.4	1602.5	1595.2	1610.2
152.5°	1662.9	1677.7	1650.6	1642.1	1660.8
155°	1733.5	1748.6	1719.6	1712.4	1730.4
157.5°	1797.0	1810.9	1784.7	1777.3	1793.0
160°	1835.2	1850.3	1822.9	1815.6	1833.7
162.5°	1868.5	1883.6	1858.6	1848.9	1867.0
165°	1913.8	1930.4	1904.6	1894.2	1913.8
167.5°	1951.7	1969.5	1942.2	1932.7	1952.3
170°	1973.9	1990.5	1963.1	1951.2	1970.8
172.5°	1988.7	2005.3	1977.9	1965.9	1979.4
175°	2004.7	2022.8	1995.5	1983.3	1990.8
177.5°	2011.8	2026.3	2004.4	1993.7	2010.6
180°	2009.3	2009.3	2009.3	2009.3	2009.3



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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	13.23	13.93	14.34	15.04	16.56	12.15	12.86	13.26	13.96	15.49
	3H	14.88	15.51	16.00	16.63	18.17	13.55	14.18	14.67	15.30	16.84
	4H	15.51	16.11	16.64	17.22	18.77	14.06	14.66	15.19	15.77	17.32
	6H	15.88	16.43	17.02	17.55	19.11	14.37	14.92	15.51	16.04	17.60
	8H	16.02	16.54	17.16	17.67	19.22	14.49	15.01	15.63	16.15	17.70
	12H	16.08	16.58	17.22	17.70	19.28	14.56	15.06	15.71	16.18	17.76
4H	2H	13.62	14.22	14.75	15.33	16.88	12.76	13.36	13.90	14.47	16.02
	3H	15.49	15.99	16.64	17.13	18.69	14.36	14.86	15.51	16.00	17.56
	4H	16.24	16.69	17.38	17.82	19.40	14.96	15.42	16.11	16.55	18.13
	6H	16.73	17.12	17.88	18.27	19.84	15.37	15.76	16.52	16.91	18.48
	8H	16.92	17.28	18.07	18.43	20.01	15.53	15.90	16.68	17.04	18.63
	12H	17.01	17.34	18.17	18.49	20.09	15.63	15.96	16.80	17.12	18.71
8H	4H	16.35	16.72	17.50	17.86	19.45	15.21	15.58	16.36	16.72	18.31
	6H	16.97	17.27	18.14	18.45	20.04	15.74	16.04	16.91	17.22	18.81
	8H	17.24	17.50	18.42	18.67	20.27	15.99	16.25	17.16	17.41	19.02
	12H	17.40	17.63	18.58	18.79	20.43	16.16	16.39	17.34	17.55	19.19
12H	4H	16.32	16.65	17.48	17.80	19.40	15.21	15.54	16.37	16.69	18.29
	6H	16.98	17.24	18.16	18.41	20.01	15.79	16.06	16.97	17.22	18.82
	8H	17.27	17.50	18.45	18.67	20.30	16.07	16.30	17.25	17.46	19.10