

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: P1439611

Luminaire Tested: CB3-D-125U-085D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439611
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-085D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

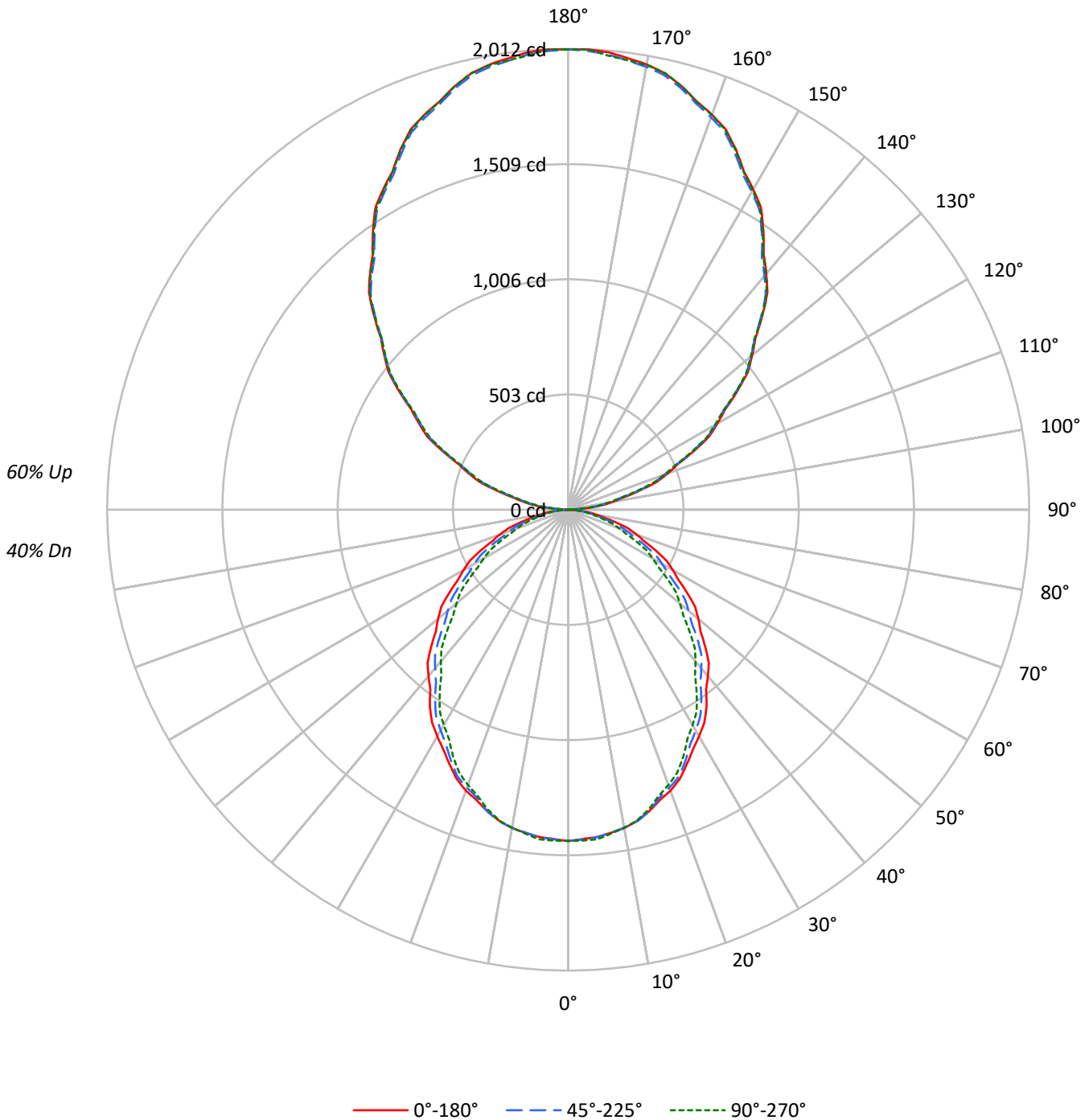
Lumens per Lamp: N/A
Luminaire Lumens: 8639.5 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 62.9
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				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	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40
1	96	92	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34
2	87	80	74	69	79	73	68	64	60	56	53	48	46	43	37	35	34	29
3	80	70	63	58	72	64	58	53	53	49	45	43	39	37	33	31	29	24
4	73	62	55	49	66	57	50	45	47	42	38	38	34	32	29	27	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	27	24	22	18
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16
7	57	45	37	32	52	41	34	30	34	29	25	28	24	21	22	19	17	14
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	18	15	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	15	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16367	16367	16367
5°	16289	16301	16412
10°	16218	16195	16195
15°	15970	15970	15874
20°	15712	15552	15396
25°	15298	15106	14836
30°	14923	14535	14186
35°	14529	13991	13495
40°	14007	13339	12763
45°	13531	12759	11971
50°	13043	12066	11200
55°	12510	11398	10467
60°	11937	10706	9638
65°	11266	9919	8765
70°	10490	8998	7807
75°	9513	7895	6955
80°	8295	6620	6151
85°	6400	5595	5595

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13531 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.5	1.6
10°-20°	383.5	4.4
20°-30°	556.7	6.4
30°-40°	632.7	7.3
40°-50°	614.2	7.1
50°-60°	518.6	6.0
60°-70°	368.9	4.3
70°-80°	197.1	2.3
80°-90°	52.1	0.6
90°-100°	84.9	1.0
100°-110°	332.2	3.8
110°-120°	592.1	6.9
120°-130°	801.3	9.3
130°-140°	921.3	10.7
140°-150°	924.5	10.7
150°-160°	795.0	9.2
160°-170°	538.2	6.2
170°-180°	189.8	2.2
0°-30°	1076.6	12.5
0°-40°	1709.3	19.8
0°-60°	2842.1	32.9
0°-90°	3460.2	40.1
90°-120°	1009.3	11.7
90°-150°	3656.3	42.3
90°-180°	5179.0	59.9
0°-180°	8639.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1446	1446	1446	1446	1446	
5°	1434	1452	1435	1433	1445	136
15°	1363	1375	1363	1355	1355	384
25°	1225	1229	1210	1193	1188	565
35°	1052	1042	1013	983	977	656
45°	846	833	797	759	748	652
55°	634	617	578	541	531	567
65°	421	406	370	337	327	417
75°	218	206	181	162	159	232
85°	49	45	43	43	43	58
90°	0	0	0	0	0	5
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°	1446.5	1446.5	1446.5	1446.5	1446.5
2.5°	1439.1	1453.6	1440.8	1442.5	1445.7
5°	1434.2	1452.3	1435.2	1433.4	1445.0
7.5°	1423.1	1439.6	1421.9	1417.8	1426.8
10°	1411.6	1429.7	1409.6	1404.6	1409.6
12.5°	1391.1	1410.0	1394.0	1385.7	1389.9
15°	1363.4	1375.4	1363.4	1355.2	1355.2
17.5°	1329.5	1342.2	1319.5	1313.7	1311.2
20°	1304.9	1315.9	1291.6	1283.2	1278.7
22.5°	1272.1	1282.3	1262.0	1246.7	1242.6
25°	1225.4	1229.4	1210.0	1193.4	1188.4
27.5°	1180.0	1181.0	1154.3	1134.3	1127.7
30°	1142.2	1143.2	1112.5	1090.8	1085.8
32.5°	1104.5	1101.5	1072.2	1046.5	1043.1
35°	1051.9	1041.9	1012.9	983.0	977.0
37.5°	988.5	982.5	948.3	918.3	909.3
40°	948.3	938.2	903.1	873.1	864.1
42.5°	908.0	896.4	860.4	827.1	817.3
45°	845.6	832.6	797.4	759.2	748.1
47.5°	782.8	768.6	729.9	692.9	680.6
50°	741.0	725.9	685.5	649.3	636.3
52.5°	698.3	682.4	642.0	605.0	594.4
55°	634.2	617.2	577.8	540.6	530.6
57.5°	570.2	553.3	514.2	479.0	466.9
60°	527.5	511.4	473.1	437.9	425.9
62.5°	484.0	468.7	431.2	396.9	385.7
65°	420.8	405.7	370.5	337.4	327.4
67.5°	358.2	345.3	310.5	280.2	272.2
70°	317.1	305.1	272.0	244.1	236.0
72.5°	277.7	264.9	233.4	209.6	204.0
75°	217.6	205.5	180.6	162.1	159.1
77.5°	162.6	152.7	131.2	120.7	119.0
80°	127.3	118.2	101.6	94.4	94.4
82.5°	94.4	87.0	76.1	73.1	73.1
85°	49.3	45.2	43.1	43.1	43.1
87.5°	14.8	14.8	14.0	13.1	13.1
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	15.86	16.63	16.90	17.67	19.08	14.78	15.55	15.82	16.59	18.00
	3H	17.52	18.21	18.57	19.26	20.69	16.19	16.88	17.24	17.93	19.36
	4H	18.14	18.80	19.21	19.85	21.29	16.70	17.35	17.76	18.41	19.84
	6H	18.52	19.13	19.60	20.19	21.63	17.01	17.61	18.08	18.67	20.12
	8H	18.66	19.23	19.74	20.31	21.75	17.13	17.71	18.21	18.78	20.22
	12H	18.72	19.27	19.80	20.34	21.80	17.21	17.75	18.29	18.82	20.28
4H	2H	16.25	16.91	17.32	17.96	19.40	15.40	16.05	16.47	17.11	18.54
	3H	18.14	18.68	19.21	19.76	21.21	17.01	17.55	18.08	18.63	20.08
	4H	18.88	19.38	19.96	20.45	21.92	17.61	18.11	18.69	19.18	20.65
	6H	19.38	19.81	20.47	20.90	22.37	18.02	18.45	19.11	19.54	21.00
	8H	19.57	19.97	20.66	21.06	22.53	18.19	18.59	19.28	19.67	21.15
	12H	19.66	20.02	20.77	21.13	22.61	18.29	18.65	19.39	19.75	21.23
8H	4H	19.00	19.40	20.09	20.49	21.97	17.86	18.26	18.96	19.35	20.83
	6H	19.62	19.95	20.73	21.08	22.55	18.39	18.72	19.50	19.85	21.33
	8H	19.89	20.18	21.01	21.30	22.79	18.64	18.93	19.76	20.04	21.54
	12H	20.05	20.31	21.18	21.42	22.95	18.81	19.07	19.94	20.18	21.71
12H	4H	18.97	19.33	20.08	20.44	21.92	17.86	18.22	18.97	19.33	20.81
	6H	19.63	19.92	20.75	21.04	22.53	18.45	18.74	19.56	19.85	21.34
	8H	19.93	20.18	21.05	21.29	22.83	18.72	18.98	19.85	20.09	21.62