

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: P1439355

Luminaire Tested: CB3-125U-120D-830-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439355
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-125U-120D-830-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

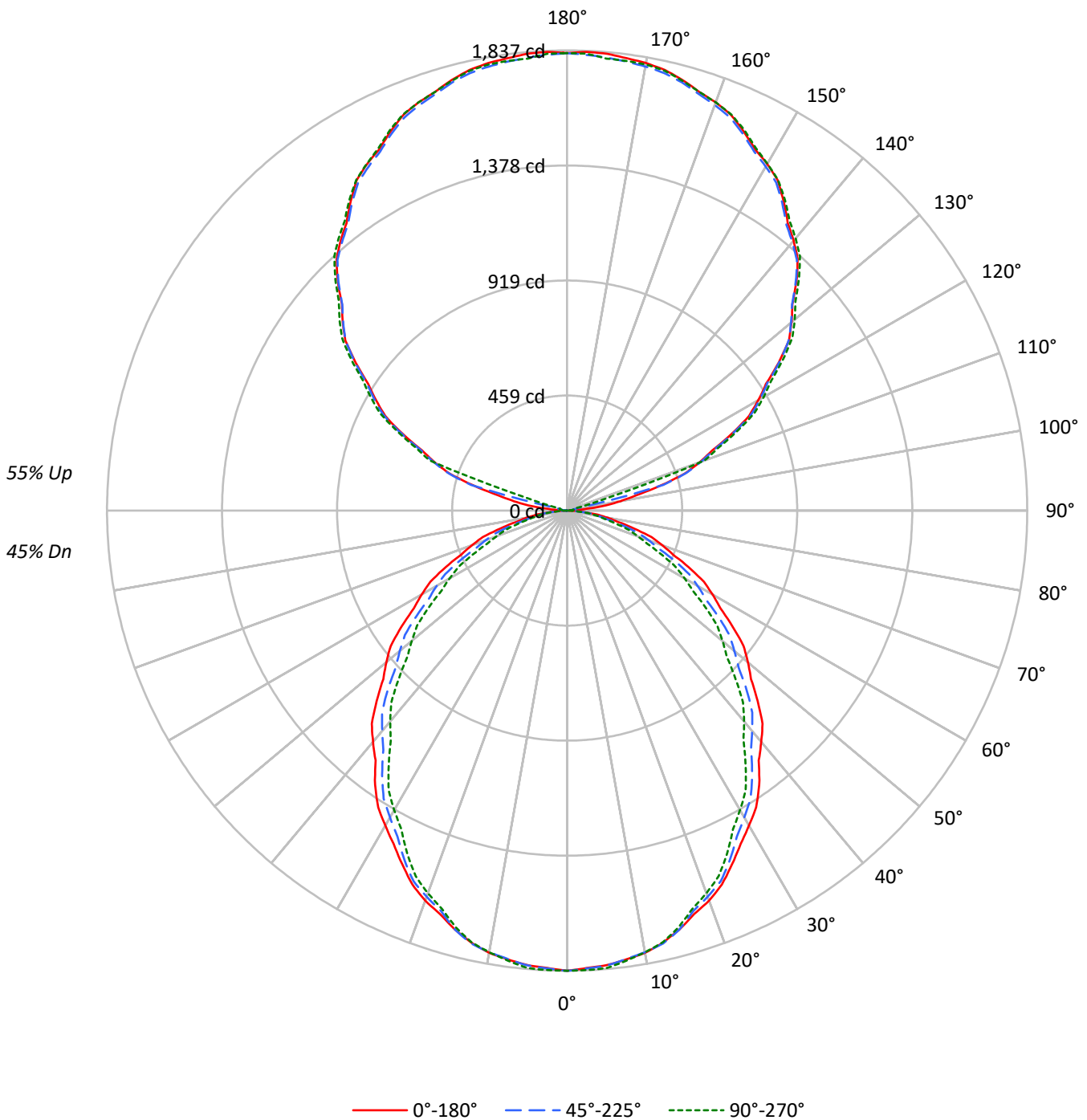
Lumens per Lamp: N/A
Luminaire Lumens: 9788.0 lumens
Efficiency: N/A
Efficacy: 129.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 75.4
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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	81	81	81	65	65	65	51	51	51	45				
1	97	93	89	85	89	85	82	79	71	69	66	58	56	55	46	45	44	38				
2	88	81	75	70	81	74	69	65	62	58	55	51	48	46	40	39	37	32				
3	81	71	64	58	74	66	59	54	55	50	47	45	42	39	36	34	32	27				
4	74	63	55	50	67	58	51	46	49	44	40	40	37	34	32	30	27	24				
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24	21				
6	62	51	43	37	57	47	40	35	40	34	30	33	29	26	26	24	21	18				
7	58	46	38	32	53	42	35	30	36	30	26	30	26	23	24	21	19	16				
8	54	41	34	29	49	38	32	27	33	27	24	27	23	20	22	19	17	15				
9	50	38	30	25	46	35	29	24	30	25	21	25	21	18	21	18	15	13				
10	47	35	28	23	43	32	26	22	28	23	19	23	19	16	19	16	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20786	20786	20786
5°	20688	20703	20821
10°	20598	20568	20568
15°	20281	20281	20159
20°	19953	19748	19576
25°	19449	19205	18862
30°	18973	18479	18036
35°	18473	17788	17158
40°	17807	16959	16226
45°	17203	16222	15220
50°	16583	15342	14240
55°	15907	14491	13307
60°	15177	13611	12254
65°	14323	12610	11143
70°	13339	11440	9928
75°	12092	10037	8839
80°	10543	8418	7819
85°	8127	7114	7114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17203 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.3	1.8
10°-20°	487.0	5.0
20°-30°	707.5	7.2
30°-40°	804.4	8.2
40°-50°	780.9	8.0
50°-60°	659.3	6.7
60°-70°	469.1	4.8
70°-80°	250.6	2.6
80°-90°	66.3	0.7
90°-100°	42.2	0.4
100°-110°	305.4	3.1
110°-120°	726.1	7.4
120°-130°	927.7	9.5
130°-140°	1000.6	10.2
140°-150°	943.3	9.6
150°-160°	769.5	7.9
160°-170°	501.4	5.1
170°-180°	173.3	1.8
0°-30°	1367.8	14.0
0°-40°	2172.2	22.2
0°-60°	3612.4	36.9
0°-90°	4398.4	44.9
90°-120°	1073.7	11.0
90°-150°	3945.3	40.3
90°-180°	5390.0	55.1
0°-180°	9788.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1837	1837	1837	1837	1837	
5°	1822	1844	1823	1820	1833	173
15°	1731	1747	1731	1721	1721	488
25°	1558	1563	1538	1517	1511	718
35°	1337	1325	1288	1250	1242	833
45°	1075	1059	1014	965	951	829
55°	806	785	735	687	675	721
65°	535	516	471	429	416	530
75°	277	261	230	206	202	295
85°	63	58	55	55	55	74
90°	0	0	0	1	0	5
95°	77	14	18	19	19	95
105°	387	392	398	29	30	408
115°	725	731	732	743	747	715
125°	1031	1038	1035	1046	1053	920
135°	1295	1302	1291	1301	1309	997
145°	1507	1516	1497	1507	1515	943
155°	1669	1683	1660	1664	1675	770
165°	1779	1789	1770	1765	1777	502
175°	1830	1840	1815	1806	1811	174
180°	1826	1826	1826	1826	1826	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1837.1	1837.1	1837.1	1837.1	1837.1
2.5°	1827.7	1846.1	1829.8	1832.0	1836.1
5°	1821.5	1844.4	1822.8	1820.5	1833.2
7.5°	1807.4	1828.3	1805.8	1800.6	1812.1
10°	1792.8	1815.7	1790.2	1783.8	1790.2
12.5°	1766.7	1790.7	1770.3	1759.8	1765.1
15°	1731.4	1746.8	1731.4	1721.0	1721.0
17.5°	1688.4	1704.5	1675.6	1668.2	1665.4
20°	1657.1	1671.1	1640.1	1629.6	1625.8
22.5°	1615.3	1628.3	1602.5	1584.7	1579.8
25°	1557.9	1563.0	1538.3	1517.3	1510.9
27.5°	1500.2	1501.5	1467.6	1442.1	1433.7
30°	1452.2	1453.5	1414.4	1386.8	1380.5
32.5°	1404.2	1400.4	1363.2	1330.5	1326.2
35°	1337.4	1324.6	1287.8	1249.8	1242.2
37.5°	1256.8	1249.1	1205.6	1167.5	1156.0
40°	1205.6	1192.9	1148.2	1110.1	1098.6
42.5°	1154.5	1139.7	1093.9	1051.6	1039.1
45°	1075.1	1058.6	1013.8	965.2	951.2
47.5°	995.3	977.2	928.0	880.9	865.3
50°	942.1	922.9	871.6	825.6	809.0
52.5°	887.8	867.6	816.3	769.3	755.7
55°	806.4	784.7	734.6	687.3	674.6
57.5°	724.9	703.5	653.7	609.0	593.7
60°	670.7	650.2	601.5	556.8	541.5
62.5°	615.3	595.9	548.3	504.6	490.3
65°	535.0	515.8	471.0	429.0	416.2
67.5°	455.4	439.0	394.8	356.2	346.0
70°	403.2	387.9	345.8	310.3	300.1
72.5°	353.1	336.7	296.7	266.5	259.4
75°	276.6	261.3	229.6	206.1	202.2
77.5°	206.7	194.2	166.8	153.4	151.4
80°	161.8	150.3	129.2	120.0	120.0
82.5°	120.0	110.6	96.8	92.9	92.9
85°	62.6	57.5	54.8	54.8	54.8
87.5°	18.8	18.8	17.7	17.0	16.7
90°	0.0	0.0	0.0	1.3	0.0
92.5°	20.9	8.0	6.6	8.0	7.7
95°	77.1	13.8	17.9	19.3	19.3
97.5°	155.2	152.3	20.9	25.1	25.3
100°	214.7	221.4	22.0	26.2	27.5
102.5°	280.7	286.4	40.7	27.3	28.6
105°	386.7	392.1	397.7	28.9	30.3
107.5°	492.1	496.2	499.8	450.0	168.4
110°	561.5	565.5	567.0	580.8	583.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	626.4	631.6	634.2	645.8	650.7
115°	725.3	730.6	732.1	743.2	747.3
117.5°	819.1	824.8	827.4	836.3	842.8
120°	880.8	887.5	889.0	900.2	905.5
122.5°	941.3	949.1	948.5	958.6	966.1
125°	1030.8	1037.5	1034.9	1046.1	1052.8
127.5°	1115.8	1119.9	1114.2	1127.8	1133.4
130°	1169.8	1173.8	1167.0	1179.6	1186.3
132.5°	1219.3	1225.5	1217.7	1229.1	1235.8
135°	1295.0	1301.7	1290.9	1300.7	1308.8
137.5°	1362.4	1370.5	1357.5	1368.9	1375.9
140°	1406.5	1414.6	1398.2	1410.8	1418.9
142.5°	1447.2	1457.4	1437.9	1449.3	1458.5
145°	1506.9	1516.4	1497.3	1507.1	1515.2
147.5°	1563.6	1571.7	1553.5	1560.5	1566.1
150°	1597.8	1605.8	1585.4	1592.4	1599.1
152.5°	1625.3	1636.6	1616.2	1621.1	1631.1
155°	1669.3	1682.8	1659.7	1664.1	1674.8
157.5°	1709.8	1721.9	1698.8	1702.6	1712.0
160°	1734.0	1746.1	1723.0	1724.6	1734.0
162.5°	1752.7	1763.8	1743.9	1741.2	1752.7
165°	1779.4	1788.8	1769.8	1764.6	1776.7
167.5°	1801.7	1812.5	1789.1	1784.7	1798.4
170°	1813.8	1824.6	1800.1	1793.5	1808.3
172.5°	1821.5	1831.2	1807.8	1799.0	1810.5
175°	1830.3	1839.8	1815.2	1805.7	1811.1
177.5°	1832.8	1840.4	1820.7	1812.2	1825.1
180°	1826.2	1826.2	1826.2	1826.2	1826.2



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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	17.20	18.01	18.20	19.02	20.36	16.12	16.93	17.13	17.94	19.29
	3H	18.87	19.59	19.88	20.61	21.97	17.53	18.26	18.55	19.28	20.64
	4H	19.49	20.18	20.52	21.20	22.57	18.05	18.73	19.07	19.76	21.13
	6H	19.88	20.51	20.91	21.53	22.92	18.36	18.99	19.40	20.02	21.41
	8H	20.01	20.61	21.05	21.66	23.03	18.49	19.09	19.53	20.13	21.51
	12H	20.08	20.65	21.12	21.68	23.09	18.56	19.13	19.60	20.17	21.57
4H	2H	17.60	18.29	18.64	19.31	20.68	16.75	17.43	17.78	18.45	19.82
	3H	19.49	20.06	20.53	21.11	22.50	18.36	18.93	19.40	19.98	21.37
	4H	20.24	20.76	21.28	21.80	23.21	18.96	19.49	20.01	20.53	21.94
	6H	20.74	21.18	21.79	22.25	23.65	19.37	19.82	20.43	20.89	22.29
	8H	20.93	21.34	21.98	22.40	23.82	19.54	19.96	20.60	21.02	22.44
	12H	21.02	21.40	22.09	22.47	23.89	19.65	20.02	20.72	21.10	22.52
8H	4H	20.36	20.78	21.42	21.84	23.26	19.22	19.64	20.28	20.70	22.12
	6H	20.98	21.32	22.06	22.42	23.84	19.75	20.09	20.83	21.20	22.61
	8H	21.25	21.56	22.34	22.64	24.08	20.00	20.30	21.09	21.39	22.82
	12H	21.41	21.68	22.51	22.76	24.24	20.17	20.44	21.26	21.52	23.00
12H	4H	20.33	20.71	21.41	21.78	23.21	19.22	19.60	20.30	20.67	22.10
	6H	20.99	21.30	22.08	22.38	23.82	19.80	20.11	20.89	21.19	22.63
	8H	21.29	21.56	22.38	22.64	24.11	20.08	20.35	21.18	21.43	22.91