

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: P1439623

Luminaire Tested: CB3-D-125U-120D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439623
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-120D-940-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

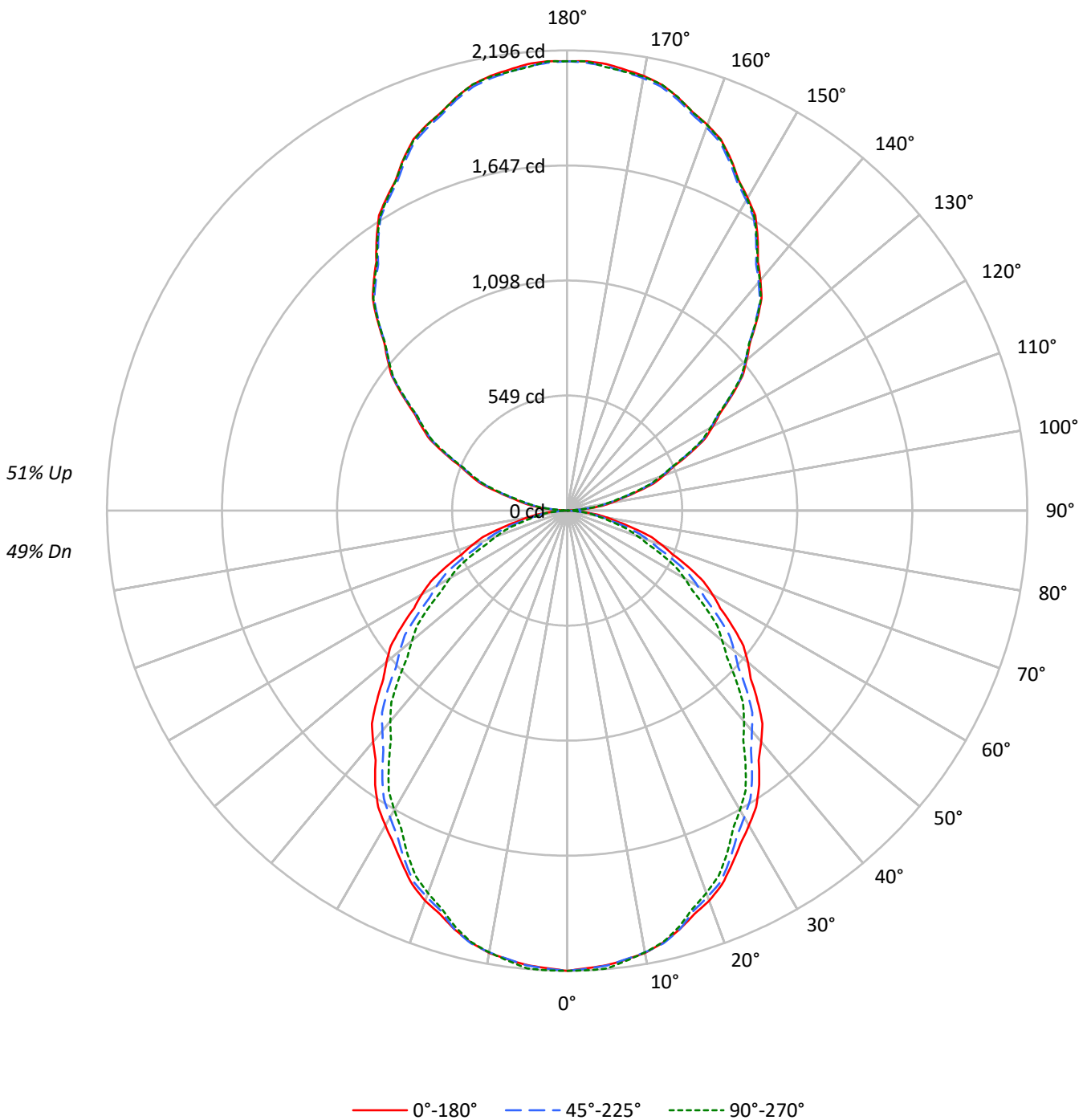
Lumens per Lamp: N/A
Luminaire Lumens: 10782.2 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

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										
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	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49																				
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47	41																				
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	40	35																				
3	81	72	65	59	75	67	60	55	57	52	48	47	44	41	38	36	34	30																				
4	75	64	56	50	68	59	52	47	50	45	41	42	38	35	34	32	29	26																				
5	68	57	49	43	63	53	46	40	45	40	35	38	34	31	31	28	26	22																				
6	63	51	43	37	58	48	40	35	41	35	31	34	30	27	28	25	23	20																				
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	18																				
8	54	42	34	29	50	39	32	27	34	28	24	29	24	21	24	21	18	16																				
9	50	38	31	26	46	36	29	25	31	26	22	26	22	19	22	19	16	14																				
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	20	17	15	13																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24852	24852	24852
5°	24735	24753	24913
10°	24627	24591	24591
15°	24251	24251	24104
20°	23857	23613	23388
25°	23237	22945	22537
30°	22668	22077	21548
35°	22070	21252	20498
40°	21275	20262	19387
45°	20554	19381	18184
50°	19811	18329	17013
55°	19004	17312	15897
60°	18133	16261	14639
65°	17110	15068	13314
70°	15935	13666	11860
75°	14448	11996	10562
80°	12595	10054	9344
85°	9711	8503	8503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20554 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.3	1.9
10°-20°	582.3	5.4
20°-30°	845.5	7.8
30°-40°	961.1	8.9
40°-50°	933.0	8.7
50°-60°	787.7	7.3
60°-70°	560.4	5.2
70°-80°	299.4	2.8
80°-90°	79.1	0.7
90°-100°	90.6	0.8
100°-110°	354.5	3.3
110°-120°	631.9	5.9
120°-130°	855.1	7.9
130°-140°	983.0	9.1
140°-150°	986.4	9.1
150°-160°	848.3	7.9
160°-170°	574.2	5.3
170°-180°	202.5	1.9
0°-30°	1635.0	15.2
0°-40°	2596.1	24.1
0°-60°	4316.7	40.0
0°-90°	5255.7	48.7
90°-120°	1077.0	10.0
90°-150°	3901.5	36.2
90°-180°	5527.0	51.3
0°-180°	10782.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2196	2196	2196	2196	2196	
5°	2178	2205	2179	2177	2194	207
15°	2070	2089	2070	2058	2058	583
25°	1861	1867	1838	1813	1805	858
35°	1598	1583	1539	1493	1484	996
45°	1284	1265	1211	1153	1136	991
55°	963	938	878	821	806	861
65°	639	616	563	512	497	633
75°	330	312	274	246	242	352
85°	75	69	66	66	66	89
90°	0	0	0	0	0	6
95°	87	79	71	66	67	99
105°	344	342	330	326	322	367
115°	644	648	633	631	630	639
125°	960	972	952	949	950	859
135°	1279	1292	1271	1261	1274	986
145°	1585	1598	1572	1564	1578	990
155°	1850	1866	1835	1827	1846	851
165°	2042	2060	2032	2021	2042	575
175°	2139	2158	2129	2116	2124	203
180°	2144	2144	2144	2144	2144	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2196.5	2196.5	2196.5	2196.5	2196.5
2.5°	2185.3	2207.3	2187.8	2190.4	2195.3
5°	2177.8	2205.3	2179.4	2176.7	2193.5
7.5°	2161.0	2186.0	2159.1	2152.9	2166.6
10°	2143.5	2171.0	2140.4	2132.8	2140.4
12.5°	2112.4	2141.0	2116.7	2104.1	2110.5
15°	2070.3	2088.6	2070.3	2057.8	2057.8
17.5°	2018.8	2038.0	2003.5	1994.7	1991.1
20°	1981.4	1998.2	1961.1	1948.5	1942.4
22.5°	1931.5	1947.1	1916.3	1893.6	1887.5
25°	1861.3	1867.4	1837.9	1812.8	1805.2
27.5°	1792.4	1793.9	1753.4	1723.0	1712.9
30°	1735.0	1736.6	1689.8	1656.9	1649.3
32.5°	1677.7	1673.1	1628.7	1589.6	1584.4
35°	1597.8	1582.6	1538.6	1493.2	1484.0
37.5°	1501.5	1492.4	1440.4	1394.9	1381.2
40°	1440.4	1425.2	1371.8	1326.3	1312.6
42.5°	1379.3	1361.6	1307.0	1256.4	1241.5
45°	1284.5	1264.7	1211.2	1153.2	1136.4
47.5°	1189.1	1167.5	1108.7	1052.4	1033.8
50°	1125.5	1102.6	1041.3	986.3	966.5
52.5°	1060.7	1036.6	975.2	919.1	902.9
55°	963.4	937.5	877.6	821.2	805.9
57.5°	866.1	840.5	781.0	727.6	709.3
60°	801.3	776.9	718.6	665.2	646.9
62.5°	735.2	712.0	655.0	602.9	585.8
65°	639.1	616.3	562.8	512.5	497.3
67.5°	544.0	524.5	471.7	425.6	413.4
70°	481.7	463.4	413.1	370.7	358.5
72.5°	421.8	402.3	354.5	318.4	309.9
75°	330.5	312.2	274.4	246.2	241.6
77.5°	246.9	232.0	199.2	183.3	180.8
80°	193.3	179.6	154.3	143.4	143.4
82.5°	143.4	132.1	115.7	111.0	111.0
85°	74.8	68.7	65.5	65.5	65.5
87.5°	22.4	22.4	21.2	20.0	20.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	23.7	21.1	13.2	10.5	10.5
95°	87.1	79.1	70.7	65.8	67.4
97.5°	160.8	153.1	142.7	137.8	139.1
100°	212.1	205.7	194.0	189.1	189.1
102.5°	262.1	258.2	246.6	241.7	243.0
105°	343.6	342.0	330.5	325.5	322.3
107.5°	433.7	430.8	418.0	417.6	414.7
110°	491.6	490.0	478.5	476.8	475.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	550.8	553.1	540.3	538.6	537.0
115°	644.5	647.7	633.0	631.3	629.7
117.5°	740.5	745.0	729.4	727.7	724.8
120°	802.4	812.0	792.5	790.8	789.2
122.5°	865.5	873.9	855.6	852.7	852.4
125°	960.2	971.5	952.0	948.7	950.3
127.5°	1054.9	1066.5	1048.3	1041.8	1045.4
130°	1118.1	1130.9	1111.5	1105.0	1109.8
132.5°	1182.5	1195.4	1175.9	1169.5	1176.9
135°	1279.2	1292.0	1271.0	1261.4	1274.3
137.5°	1373.6	1384.8	1361.7	1355.1	1368.6
140°	1435.4	1446.6	1422.2	1414.4	1430.5
142.5°	1495.9	1508.4	1481.4	1473.6	1491.0
145°	1585.0	1597.9	1571.9	1564.0	1578.4
147.5°	1670.5	1683.7	1657.4	1648.2	1662.9
150°	1723.1	1737.6	1710.0	1702.1	1718.2
152.5°	1774.4	1790.2	1761.3	1752.2	1772.1
155°	1849.7	1865.8	1834.9	1827.1	1846.4
157.5°	1917.5	1932.3	1904.3	1896.5	1913.2
160°	1958.2	1974.3	1945.1	1937.3	1956.6
162.5°	1993.8	2009.8	1983.2	1972.8	1992.1
165°	2042.1	2059.8	2032.2	2021.2	2042.1
167.5°	2082.5	2101.5	2072.3	2062.3	2083.2
170°	2106.2	2123.9	2094.7	2082.0	2102.9
172.5°	2122.0	2139.7	2110.5	2097.7	2112.1
175°	2139.1	2158.4	2129.2	2116.3	2124.3
177.5°	2146.7	2162.1	2138.8	2127.3	2145.4
180°	2144.0	2144.0	2144.0	2144.0	2144.0



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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	18.19	19.03	19.16	20.01	21.30	17.11	17.95	18.08	18.94	20.23
	3H	19.86	20.61	20.84	21.60	22.91	18.52	19.28	19.51	20.27	21.58
	4H	20.49	21.20	21.48	22.19	23.51	19.04	19.75	20.04	20.75	22.07
	6H	20.87	21.52	21.87	22.53	23.86	19.36	20.01	20.36	21.01	22.35
	8H	21.01	21.63	22.02	22.65	23.98	19.48	20.10	20.49	21.12	22.45
	12H	21.07	21.67	22.09	22.68	24.03	19.55	20.15	20.57	21.16	22.51
4H	2H	18.60	19.31	19.60	20.30	21.62	17.74	18.45	18.74	19.45	20.77
	3H	20.48	21.08	21.49	22.10	23.44	19.35	19.95	20.36	20.97	22.31
	4H	21.23	21.77	22.25	22.79	24.15	19.96	20.50	20.98	21.52	22.88
	6H	21.73	22.20	22.76	23.24	24.59	20.37	20.84	21.40	21.88	23.23
	8H	21.92	22.36	22.95	23.39	24.76	20.54	20.98	21.57	22.01	23.38
	12H	22.02	22.41	23.07	23.46	24.84	20.65	21.04	21.69	22.09	23.46
8H	4H	21.36	21.79	22.39	22.83	24.20	20.22	20.66	21.25	21.69	23.06
	6H	21.98	22.34	23.03	23.41	24.78	20.75	21.11	21.80	22.18	23.55
	8H	22.25	22.57	23.31	23.63	25.02	21.00	21.32	22.06	22.38	23.76
	12H	22.42	22.69	23.48	23.75	25.18	21.18	21.45	22.24	22.51	23.94
12H	4H	21.33	21.72	22.38	22.77	24.15	20.22	20.61	21.27	21.66	23.04
	6H	21.99	22.31	23.06	23.37	24.76	20.80	21.12	21.87	22.18	23.57
	8H	22.29	22.57	23.36	23.63	25.05	21.09	21.36	22.15	22.42	23.85