

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: P1439607

Luminaire Tested: CB3-D-125U-055D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439607
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-940-1D-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

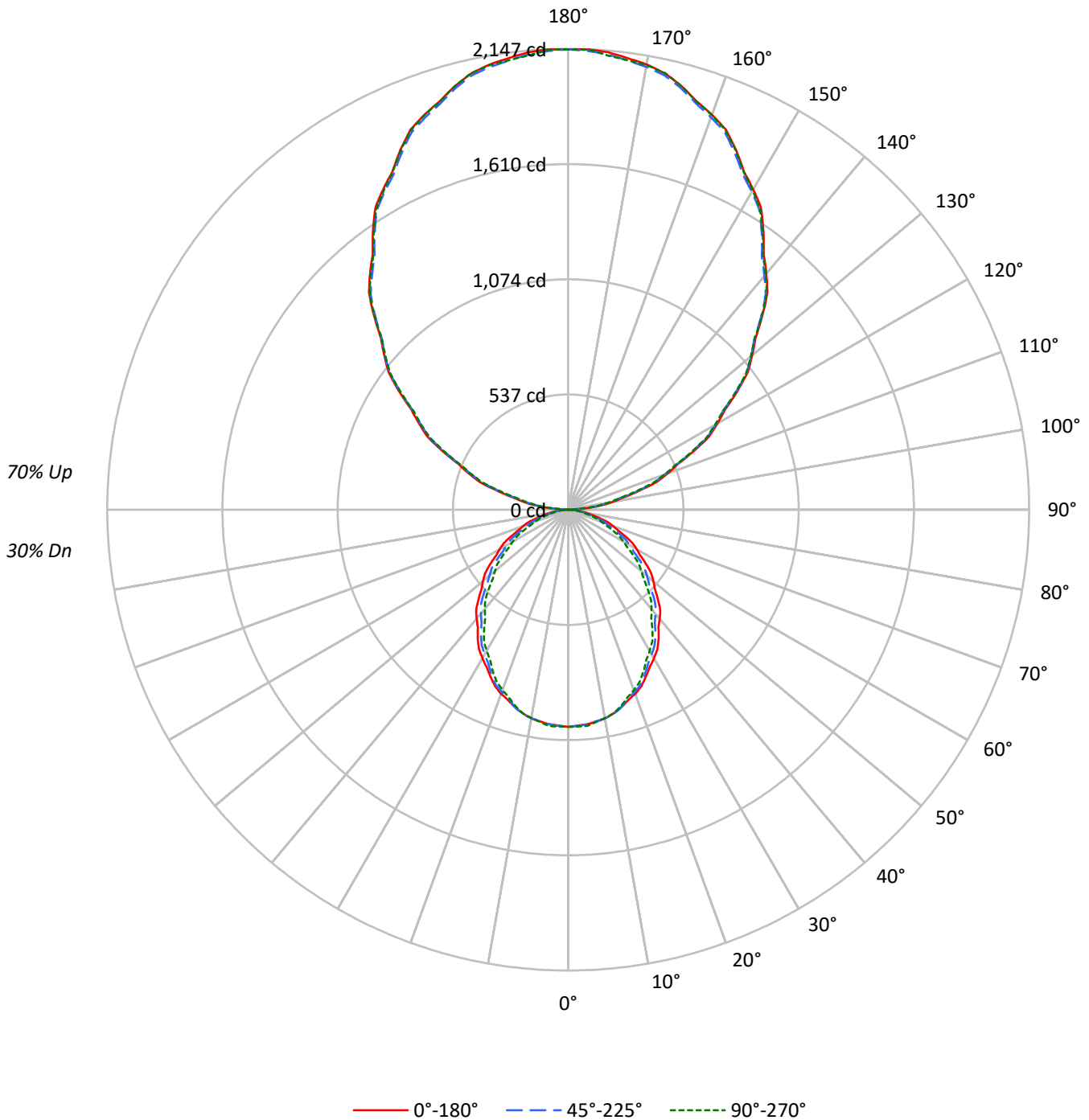
Lumens per Lamp: N/A
Luminaire Lumens: 7945.7 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (A_{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

TEST NUMBER: P1439607

CATALOG NUMBER: CB3-D-125U-055D-940-1D-UNV-STD-W-4

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°	11448	11448	11448
5°	11394	11402	11486
10°	11344	11327	11327
15°	11171	11171	11103
20°	10991	10878	10763
25°	10694	10559	10372
30°	10432	10161	9916
35°	10158	9781	9434
40°	9791	9324	8923
45°	9460	8919	8369
50°	9118	8435	7830
55°	8747	7967	7317
60°	8346	7483	6737
65°	7874	6934	6128
70°	7334	6289	5458
75°	6649	5521	4861
80°	5799	4626	4300
85°	4466	3908	3908

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9460 cd/sqm



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CATALOG NUMBER: CB3-D-125U-055D-940-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.5	1.2
10°-20°	268.2	3.4
20°-30°	389.2	4.9
30°-40°	442.3	5.6
40°-50°	429.4	5.4
50°-60°	362.5	4.6
60°-70°	257.9	3.2
70°-80°	137.8	1.7
80°-90°	36.4	0.5
90°-100°	90.6	1.1
100°-110°	354.5	4.5
110°-120°	631.9	8.0
120°-130°	855.1	10.8
130°-140°	983.0	12.4
140°-150°	986.4	12.4
150°-160°	848.3	10.7
160°-170°	574.2	7.2
170°-180°	202.5	2.5
0°-30°	752.9	9.5
0°-40°	1195.2	15.0
0°-60°	1987.1	25.0
0°-90°	2419.2	30.4
90°-120°	1077.0	13.6
90°-150°	3901.5	49.1
90°-180°	5527.0	69.6
0°-180°	7945.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1012	1012	1012	1012	1012	
5°	1003	1016	1004	1003	1011	95
15°	954	962	954	948	948	269
25°	857	859	846	834	831	395
35°	735	728	708	687	683	458
45°	591	582	557	531	523	456
55°	443	431	404	378	371	396
65°	294	284	259	236	229	291
75°	152	144	126	113	111	162
85°	34	32	30	30	30	41
90°	0	0	0	0	0	5
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	

TEST NUMBER: P1439607

CATALOG NUMBER: CB3-D-125U-055D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1011.8	1011.8	1011.8	1011.8	1011.8
2.5°	1006.6	1016.7	1007.8	1009.0	1011.2
5°	1003.2	1015.8	1003.9	1002.6	1011.3
7.5°	995.4	1006.9	994.6	991.7	998.0
10°	987.4	1000.0	985.9	982.4	985.9
12.5°	973.0	986.2	975.0	969.2	972.2
15°	953.7	962.1	953.7	947.9	947.9
17.5°	930.0	938.8	923.0	918.9	917.0
20°	912.8	920.5	903.4	897.6	893.9
22.5°	889.8	897.0	882.8	871.6	868.7
25°	856.6	859.4	845.8	834.3	830.8
27.5°	824.9	825.6	807.0	792.9	788.3
30°	798.5	799.2	777.7	762.5	759.0
32.5°	772.1	770.0	749.6	731.6	729.2
35°	735.4	728.3	708.1	687.2	683.0
37.5°	691.0	686.8	662.9	642.0	635.6
40°	662.9	655.9	631.3	610.4	604.1
42.5°	634.8	626.6	601.5	578.2	571.4
45°	591.2	582.0	557.4	530.7	523.0
47.5°	547.3	537.3	510.2	484.4	475.8
50°	518.0	507.5	479.2	453.9	444.8
52.5°	488.1	477.1	448.8	423.0	415.5
55°	443.4	431.4	403.9	377.9	370.9
57.5°	398.6	386.8	359.4	334.8	326.4
60°	368.8	357.5	330.7	306.1	297.7
62.5°	338.3	327.7	301.5	277.5	269.6
65°	294.1	283.6	259.0	235.9	228.9
67.5°	250.4	241.4	217.1	195.9	190.3
70°	221.7	213.3	190.1	170.6	165.0
72.5°	194.1	185.2	163.1	146.6	142.6
75°	152.1	143.7	126.3	113.3	111.2
77.5°	113.6	106.8	91.7	84.3	83.2
80°	89.0	82.6	71.0	66.0	66.0
82.5°	66.0	60.8	53.2	51.1	51.1
85°	34.4	31.6	30.1	30.1	30.1
87.5°	10.3	10.3	9.8	9.2	9.2
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

TEST NUMBER: P1439607

CATALOG NUMBER: CB3-D-125U-055D-940-1D-UNV-STD-W-4

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	13.46	14.16	14.57	15.26	16.79	12.38	13.08	13.49	14.18	15.71
	3H	15.11	15.74	16.23	16.85	18.40	13.78	14.41	14.90	15.52	17.06
	4H	15.73	16.33	16.86	17.44	18.99	14.29	14.89	15.42	16.00	17.55
	6H	16.11	16.66	17.25	17.78	19.34	14.60	15.15	15.73	16.26	17.82
	8H	16.24	16.77	17.38	17.90	19.45	14.72	15.24	15.86	16.37	17.92
	12H	16.30	16.80	17.45	17.93	19.50	14.79	15.28	15.93	16.41	17.98
4H	2H	13.84	14.44	14.98	15.55	17.10	12.98	13.58	14.12	14.70	16.24
	3H	15.72	16.22	16.86	17.36	18.92	14.59	15.09	15.73	16.23	17.79
	4H	16.46	16.92	17.61	18.05	19.63	15.19	15.65	16.33	16.78	18.36
	6H	16.95	17.35	18.11	18.50	20.07	15.59	15.98	16.74	17.14	18.71
	8H	17.14	17.51	18.29	18.65	20.24	15.76	16.13	16.91	17.27	18.86
	12H	17.23	17.56	18.40	18.72	20.31	15.86	16.19	17.02	17.34	18.94
8H	4H	16.58	16.94	17.73	18.09	19.68	15.44	15.80	16.59	16.95	18.54
	6H	17.19	17.49	18.36	18.68	20.26	15.96	16.26	17.13	17.45	19.03
	8H	17.47	17.73	18.64	18.89	20.50	16.21	16.47	17.39	17.64	19.24
	12H	17.62	17.85	18.80	19.01	20.65	16.38	16.61	17.56	17.77	19.41
12H	4H	16.54	16.88	17.71	18.03	19.62	15.43	15.76	16.60	16.92	18.51
	6H	17.21	17.47	18.38	18.63	20.24	16.02	16.28	17.19	17.44	19.05
	8H	17.50	17.73	18.68	18.89	20.53	16.29	16.52	17.47	17.68	19.32