

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: P1438811

Luminaire Tested: CB2-125U-055D-840-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438811
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-125U-055D-840-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

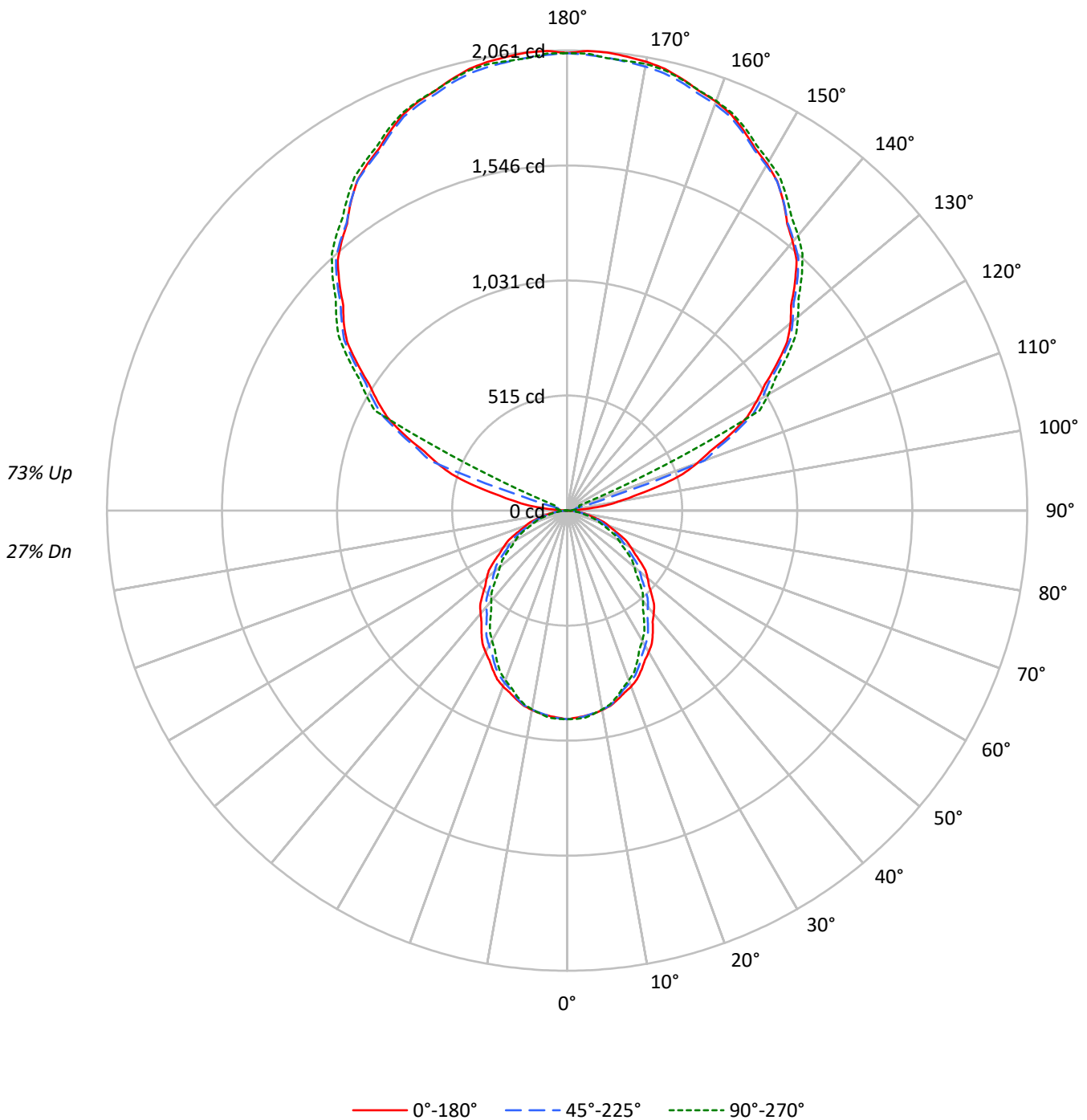
Lumens per Lamp: N/A
Luminaire Lumens: 8021.3 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 57.5
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: P1438811

CATALOG NUMBER: CB2-125U-055D-840-1D-UNV-STD-W-4

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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27																				
1	93	89	85	82	83	79	76	73	62	60	58	46	45	43	31	30	30	23																				
2	85	77	72	67	75	69	65	60	54	51	48	40	38	36	28	26	25	19																				
3	77	68	61	56	69	61	55	50	48	44	40	36	33	31	24	23	22	17																				
4	70	60	53	47	63	54	48	43	43	38	34	32	29	26	22	20	19	14																				
5	65	54	46	40	58	48	42	37	38	33	30	29	25	23	20	18	16	13																				
6	59	48	40	35	53	43	37	32	34	29	26	26	23	20	18	16	14	11																				
7	55	43	36	30	49	39	32	28	31	26	23	23	20	18	16	14	13	10																				
8	51	39	32	27	45	35	29	24	28	23	20	21	18	16	15	13	11	9																				
9	47	36	28	24	42	32	26	22	26	21	18	20	16	14	14	12	10	8																				
10	44	32	26	21	39	29	23	19	24	19	16	18	15	13	13	11	9	7																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16277	16277	16277
5°	16139	16164	16276
10°	16047	16009	15997
15°	15792	15689	15561
20°	15544	15199	14988
25°	15126	14700	14289
30°	14708	14060	13527
35°	14225	13404	12764
40°	13715	12787	12039
45°	13200	12143	11333
50°	12738	11516	10644
55°	12168	10865	9997
60°	11516	10245	9346
65°	10823	9553	8700
70°	10058	8779	7873
75°	9152	7948	7127
80°	8185	6961	6459
85°	6295	5715	4716

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13200 cd/sqm



TEST NUMBER: P1438811

CATALOG NUMBER: CB2-125U-055D-840-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	1.1
10°-20°	245.0	3.1
20°-30°	352.2	4.4
30°-40°	395.9	4.9
40°-50°	382.4	4.8
50°-60°	323.1	4.0
60°-70°	232.1	2.9
70°-80°	126.9	1.6
80°-90°	33.8	0.4
90°-100°	35.7	0.4
100°-110°	227.2	2.8
110°-120°	722.0	9.0
120°-130°	1047.8	13.1
130°-140°	1126.9	14.0
140°-150°	1061.0	13.2
150°-160°	864.3	10.8
160°-170°	562.6	7.0
170°-180°	194.5	2.4
0°-30°	685.1	8.5
0°-40°	1081.0	13.5
0°-60°	1786.5	22.3
0°-90°	2179.3	27.2
90°-120°	985.0	12.3
90°-150°	4220.6	52.6
90°-180°	5842.0	72.8
0°-180°	8021.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	934	934	934	934	934	
5°	923	936	924	925	931	88
15°	876	884	870	862	863	247
25°	787	788	765	748	744	362
35°	669	661	630	606	600	418
45°	536	525	493	467	460	414
55°	401	386	358	336	329	358
65°	263	253	232	215	211	260
75°	136	128	118	109	106	145
85°	32	29	29	25	24	37
90°	0	0	0	2	2	4
95°	82	24	25	16	15	103
105°	427	443	44	52	55	449
115°	807	825	833	842	483	794
125°	1147	1167	1167	1187	1203	1025
135°	1443	1460	1458	1467	1486	1113
145°	1689	1702	1690	1692	1714	1056
155°	1876	1887	1867	1863	1889	865
165°	2000	2006	1985	1977	1997	565
175°	2059	2064	2037	2024	2034	196
180°	2049	2049	2049	2049	2049	

TEST NUMBER: P1438811

CATALOG NUMBER: CB2-125U-055D-840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	934.5	934.5	934.5	934.5	934.5
2.5°	928.2	939.4	931.1	932.3	933.9
5°	923.1	935.7	924.5	924.6	930.9
7.5°	916.5	928.4	914.3	911.7	917.6
10°	907.3	919.2	905.2	900.3	904.5
12.5°	895.3	906.6	893.2	885.4	889.0
15°	875.8	883.5	870.1	861.6	863.0
17.5°	854.7	859.4	840.1	832.9	831.5
20°	838.6	842.8	820.0	810.0	808.6
22.5°	818.0	821.7	797.7	785.3	783.4
25°	787.1	787.8	764.9	747.7	743.5
27.5°	754.8	752.5	727.1	706.7	701.2
30°	731.3	728.5	699.1	677.5	672.6
32.5°	706.1	701.1	671.6	648.3	643.4
35°	669.0	661.3	630.4	605.9	600.3
37.5°	629.5	620.9	590.5	563.9	557.6
40°	603.2	593.4	562.4	535.8	529.5
42.5°	576.9	566.0	534.4	507.7	500.9
45°	535.9	524.8	493.0	467.1	460.1
47.5°	497.0	482.8	451.9	426.2	419.2
50°	470.1	454.7	425.0	399.8	392.8
52.5°	442.6	426.7	398.1	374.1	367.1
55°	400.7	386.0	357.8	335.5	329.2
57.5°	359.2	345.1	319.3	298.0	291.8
60°	330.6	318.7	294.1	273.9	268.3
62.5°	303.1	292.3	268.9	250.5	244.9
65°	262.6	252.8	231.8	215.3	211.1
67.5°	223.3	213.5	196.5	181.6	176.9
70°	197.5	187.7	172.4	158.8	154.6
72.5°	172.9	162.5	150.1	137.6	134.5
75°	136.0	127.6	118.1	108.7	105.9
77.5°	103.3	95.2	88.3	81.7	81.0
80°	81.6	74.6	69.4	65.1	64.4
82.5°	61.0	55.6	52.2	49.1	48.9
85°	31.5	29.4	28.6	25.0	23.6
87.5°	9.2	9.2	8.0	7.2	7.2
90°	0.0	0.0	0.0	1.5	1.5
92.5°	22.5	8.6	5.9	8.6	8.6
95°	81.5	23.5	25.2	16.3	14.8
97.5°	169.2	37.9	36.4	40.0	41.5
100°	235.6	77.7	40.0	46.0	47.4
102.5°	309.0	292.5	41.2	49.5	52.1
105°	426.7	442.6	44.4	51.9	54.8
107.5°	542.2	558.1	206.8	53.7	56.6
110°	619.2	635.2	654.8	54.9	57.8



TEST NUMBER: P1438811

CATALOG NUMBER: CB2-125U-055D-840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	691.5	711.0	725.9	122.1	60.1
115°	807.4	824.8	832.6	842.2	483.0
117.5°	909.6	931.1	939.8	956.5	972.7
120°	980.7	1001.0	1007.4	1024.1	1041.5
122.5°	1050.6	1068.6	1072.6	1091.6	1107.8
125°	1146.6	1166.9	1167.4	1187.0	1202.9
127.5°	1242.6	1260.0	1259.2	1273.9	1291.5
130°	1306.6	1318.2	1318.5	1330.8	1349.6
132.5°	1360.0	1376.2	1376.6	1386.5	1405.3
135°	1442.9	1460.3	1457.8	1467.1	1485.9
137.5°	1520.9	1537.7	1533.0	1540.9	1560.3
140°	1571.8	1586.3	1579.2	1587.1	1608.9
142.5°	1619.2	1633.7	1623.1	1629.8	1652.7
145°	1688.9	1701.9	1690.3	1692.3	1714.0
147.5°	1750.8	1763.5	1749.6	1751.5	1771.8
150°	1791.1	1802.7	1785.2	1787.1	1807.4
152.5°	1826.6	1837.1	1818.3	1818.0	1841.7
155°	1875.5	1887.1	1866.6	1862.8	1888.9
157.5°	1920.0	1930.7	1910.2	1907.4	1927.7
160°	1949.6	1956.8	1936.3	1932.3	1952.6
162.5°	1969.7	1978.1	1957.6	1951.2	1971.5
165°	2000.0	2005.8	1985.2	1976.7	1997.0
167.5°	2026.0	2032.7	2006.2	1998.7	2020.4
170°	2041.4	2045.8	2019.2	2009.3	2031.1
172.5°	2050.9	2054.1	2027.5	2016.3	2031.1
175°	2059.2	2063.6	2037.0	2023.9	2034.0
177.5°	2060.7	2063.0	2042.9	2031.5	2048.9
180°	2048.9	2048.9	2048.9	2048.9	2048.9

TEST NUMBER: P1438811

CATALOG NUMBER: CB2-125U-055D-840-1D-UNV-STD-W-4

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	14.07	14.76	15.21	15.88	17.44	12.97	13.66	14.11	14.78	16.34
	3H	15.71	16.32	16.85	17.45	19.03	14.49	15.10	15.63	16.23	17.81
	4H	16.33	16.91	17.48	18.04	19.62	15.05	15.63	16.20	16.76	18.35
	6H	16.72	17.25	17.88	18.39	19.98	15.41	15.95	16.57	17.08	18.68
	8H	16.86	17.37	18.02	18.52	20.11	15.55	16.06	16.71	17.21	18.80
	12H	16.93	17.41	18.09	18.55	20.17	15.61	16.09	16.77	17.23	18.84
4H	2H	14.46	15.04	15.62	16.17	17.76	13.59	14.17	14.74	15.30	16.88
	3H	16.31	16.80	17.48	17.95	19.55	15.30	15.79	16.47	16.95	18.54
	4H	17.05	17.50	18.22	18.64	20.26	15.97	16.42	17.14	17.56	19.18
	6H	17.56	17.94	18.73	19.11	20.72	16.44	16.82	17.61	17.99	19.59
	8H	17.76	18.12	18.93	19.28	20.90	16.62	16.98	17.79	18.14	19.76
	12H	17.86	18.18	19.05	19.35	20.98	16.70	17.02	17.89	18.19	19.82
8H	4H	17.19	17.55	18.36	18.71	20.33	16.23	16.59	17.40	17.75	19.37
	6H	17.83	18.12	19.02	19.32	20.94	16.83	17.12	18.02	18.32	19.94
	8H	18.12	18.37	19.31	19.55	21.19	17.10	17.36	18.29	18.54	20.18
	12H	18.28	18.51	19.48	19.69	21.36	17.24	17.47	18.44	18.64	20.32
12H	4H	17.17	17.49	18.35	18.66	20.29	16.23	16.55	17.41	17.72	19.35
	6H	17.86	18.11	19.05	19.29	20.93	16.89	17.14	18.08	18.32	19.97
	8H	18.16	18.39	19.36	19.57	21.24	17.19	17.41	18.38	18.59	20.26