

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: P1439026

Luminaire Tested: CB2-D-055U-085D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439026
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-055U-085D-927-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

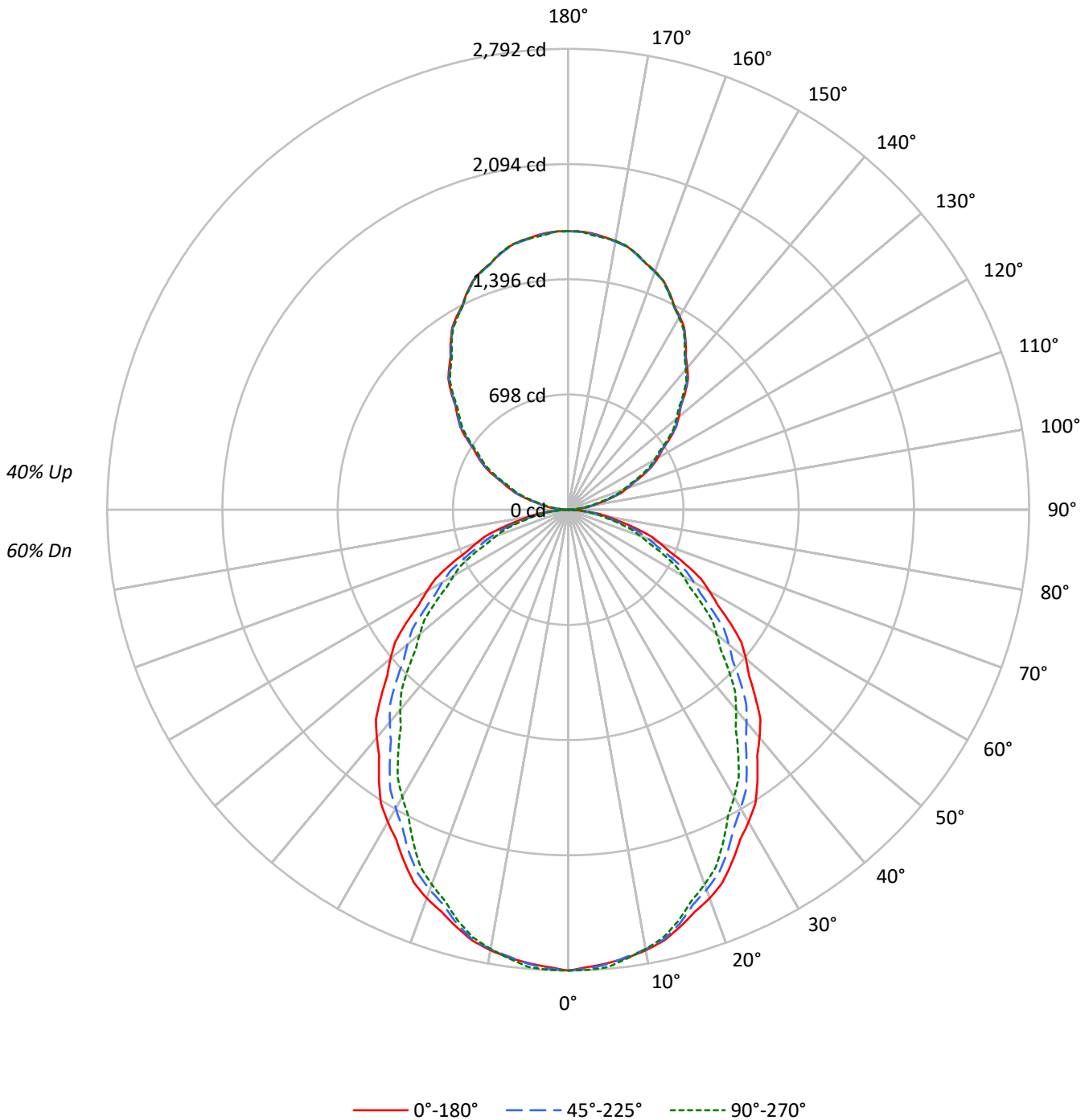
Lumens per Lamp: N/A
Luminaire Lumens: 10813.4 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 93.8
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: P1439026

CATALOG NUMBER: CB2-D-055U-085D-927-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P1439026

CATALOG NUMBER: CB2-D-055U-085D-927-1D-UNV-STD-W-8

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	110	110	110	110	102	102	102	102	89	89	89	77	77	77	65	65	65	60
1	100	96	92	89	94	90	87	83	78	76	74	68	66	64	58	57	56	51
2	92	84	78	73	85	79	73	69	69	65	61	60	57	54	52	49	47	43
3	84	74	67	61	78	70	63	58	61	56	52	53	49	46	46	43	41	37
4	77	66	58	52	71	62	55	49	54	49	44	48	43	40	41	38	35	32
5	71	59	51	45	66	55	48	43	49	43	39	43	38	35	37	34	31	28
6	65	53	45	39	61	50	43	37	44	38	34	39	34	30	34	30	27	25
7	60	48	40	34	56	45	38	33	40	34	30	35	31	27	31	27	24	22
8	56	44	36	30	52	41	34	29	37	31	27	33	28	24	29	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	23	20	18
10	49	37	29	25	46	35	28	24	31	26	22	28	23	20	25	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24315	24315	24315
5°	24109	24146	24314
10°	23972	23915	23896
15°	23592	23438	23246
20°	23221	22706	22389
25°	22596	21960	21343
30°	21971	21004	20208
35°	21251	20023	19069
40°	20488	19103	17985
45°	19721	18141	16929
50°	19030	17205	15902
55°	18177	16229	14931
60°	17203	15305	13963
65°	16168	14274	12996
70°	15023	13118	11759
75°	13668	11868	10646
80°	12222	10401	9649
85°	9403	8543	7044

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19721 cd/sqm



TEST NUMBER: P1439026

CATALOG NUMBER: CB2-D-055U-085D-927-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.6	2.4
10°-20°	731.9	6.8
20°-30°	1052.4	9.7
30°-40°	1182.8	10.9
40°-50°	1142.6	10.6
50°-60°	965.4	8.9
60°-70°	693.4	6.4
70°-80°	379.0	3.5
80°-90°	100.7	0.9
90°-100°	65.2	0.6
100°-110°	268.8	2.5
110°-120°	487.9	4.5
120°-130°	664.0	6.1
130°-140°	766.5	7.1
140°-150°	772.4	7.1
150°-160°	666.6	6.2
160°-170°	451.8	4.2
170°-180°	159.4	1.5
0°-30°	2046.8	18.9
0°-40°	3229.6	29.9
0°-60°	5337.6	49.4
0°-90°	6510.8	60.2
90°-120°	821.9	7.6
90°-150°	3024.8	28.0
90°-180°	4303.0	39.8
0°-180°	10813.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2792	2792	2792	2792	2792	
5°	2758	2796	2762	2762	2781	262
15°	2617	2640	2600	2574	2578	738
25°	2352	2354	2285	2234	2221	1083
35°	1999	1976	1883	1810	1794	1249
45°	1601	1568	1473	1396	1375	1237
55°	1197	1153	1069	1002	983	1070
65°	785	755	693	643	631	778
75°	406	381	353	325	316	434
85°	94	88	86	75	70	112
90°	0	0	1	0	1	6
95°	63	55	53	41	41	73
105°	266	262	255	241	238	282
115°	505	504	495	480	479	499
125°	751	759	744	728	729	671
135°	1002	1013	996	978	984	771
145°	1241	1255	1236	1221	1230	775
155°	1452	1466	1445	1436	1448	667
165°	1604	1621	1600	1591	1606	452
175°	1680	1698	1676	1666	1670	159
180°	1687	1687	1687	1687	1687	

TEST NUMBER: P1439026

CATALOG NUMBER: CB2-D-055U-085D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2792.0	2792.0	2792.0	2792.0	2792.0
2.5°	2773.2	2806.7	2781.8	2785.3	2790.3
5°	2757.8	2795.5	2762.1	2762.5	2781.3
7.5°	2738.2	2773.7	2731.7	2724.0	2741.6
10°	2710.8	2746.3	2704.4	2689.7	2702.2
12.5°	2674.9	2708.7	2668.5	2645.2	2656.1
15°	2616.7	2639.7	2599.6	2574.1	2578.3
17.5°	2553.5	2567.7	2509.8	2488.4	2484.2
20°	2505.6	2518.1	2450.0	2420.0	2415.8
22.5°	2444.0	2454.9	2383.3	2346.4	2340.5
25°	2351.6	2353.7	2285.4	2233.8	2221.2
27.5°	2255.0	2248.3	2172.5	2111.4	2095.1
30°	2184.9	2176.5	2088.7	2024.2	2009.6
32.5°	2109.6	2094.6	2006.6	1937.0	1922.4
35°	1998.9	1975.9	1883.4	1810.4	1793.7
37.5°	1880.9	1855.0	1764.2	1684.6	1665.8
40°	1802.2	1772.9	1680.4	1600.8	1582.0
42.5°	1723.5	1690.9	1596.5	1517.0	1496.5
45°	1601.3	1567.8	1473.0	1395.5	1374.6
47.5°	1485.0	1442.3	1350.3	1273.3	1252.4
50°	1404.6	1358.6	1269.9	1194.6	1173.7
52.5°	1322.5	1274.8	1189.5	1117.6	1096.7
55°	1197.2	1153.3	1068.9	1002.2	983.4
57.5°	1073.2	1031.0	953.9	890.2	871.8
60°	987.7	952.2	878.7	818.4	801.7
62.5°	905.6	873.4	803.4	748.3	731.6
65°	784.6	755.3	692.7	643.2	630.7
67.5°	667.0	637.7	587.1	542.7	528.5
70°	590.0	560.8	515.2	474.3	461.8
72.5°	516.5	485.6	448.5	411.1	401.9
75°	406.2	381.1	352.7	324.8	316.4
77.5°	308.7	284.5	263.8	244.1	242.0
80°	243.7	222.8	207.4	194.5	192.4
82.5°	182.1	166.3	156.1	146.6	146.2
85°	94.1	87.8	85.5	74.7	70.5
87.5°	27.4	27.4	24.2	20.5	20.8
90°	0.0	0.0	1.3	0.0	1.3
92.5°	15.8	13.7	12.9	8.5	9.7
95°	63.2	55.4	52.6	40.8	40.8
97.5°	119.2	111.5	107.4	95.2	92.6
100°	159.2	151.5	147.4	134.2	131.6
102.5°	200.3	196.7	189.5	175.2	172.7
105°	265.8	262.0	255.3	240.8	238.2
107.5°	333.2	334.0	324.0	312.1	308.5
110°	381.6	380.3	372.4	360.5	357.9



TEST NUMBER: P1439026

CATALOG NUMBER: CB2-D-055U-085D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	431.1	428.8	420.8	408.9	406.4
115°	505.3	504.0	494.8	480.3	479.0
117.5°	575.9	580.0	569.0	553.7	553.2
120°	626.4	631.5	618.5	605.3	602.7
122.5°	675.9	682.1	669.0	653.8	654.3
125°	751.4	759.1	743.5	727.8	729.0
127.5°	824.3	833.8	819.3	803.3	804.8
130°	873.8	885.4	869.9	852.8	855.4
132.5°	924.3	935.9	920.4	902.3	907.0
135°	1001.5	1013.0	996.2	977.9	984.3
137.5°	1074.1	1085.7	1067.2	1051.9	1059.6
140°	1122.5	1134.1	1114.6	1100.3	1108.0
142.5°	1169.9	1183.5	1163.1	1147.7	1157.5
145°	1241.0	1255.1	1235.7	1221.4	1230.4
147.5°	1308.3	1322.5	1302.8	1289.1	1298.3
150°	1351.5	1365.7	1344.9	1333.3	1343.6
152.5°	1391.5	1407.7	1386.0	1374.4	1387.8
155°	1451.5	1465.7	1444.9	1436.0	1447.6
157.5°	1503.6	1520.1	1499.4	1491.7	1501.0
160°	1538.4	1553.8	1533.1	1525.4	1535.7
162.5°	1564.7	1581.2	1561.5	1552.9	1565.2
165°	1604.2	1620.9	1600.2	1591.3	1605.5
167.5°	1635.2	1653.0	1632.1	1622.9	1637.3
170°	1654.2	1670.9	1648.9	1638.7	1654.2
172.5°	1666.8	1684.6	1661.5	1651.2	1661.5
175°	1680.5	1698.5	1676.5	1666.1	1670.0
177.5°	1687.1	1701.5	1683.9	1674.7	1687.1
180°	1687.1	1687.1	1687.1	1687.1	1687.1



TEST NUMBER: P1439026
 CATALOG NUMBER: CB2-D-055U-085D-927-1D-UNV-STD-W-8

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	18.98	19.93	19.85	20.82	21.93	17.88	18.83	18.75	19.72	20.84
	3H	20.63	21.48	21.51	22.38	23.52	19.42	20.27	20.30	21.16	22.31
	4H	21.27	22.07	22.16	22.97	24.13	19.99	20.80	20.89	21.70	22.85
	6H	21.67	22.41	22.58	23.32	24.49	20.37	21.11	21.28	22.02	23.19
	8H	21.82	22.53	22.74	23.45	24.62	20.51	21.22	21.43	22.14	23.31
	12H	21.90	22.57	22.82	23.49	24.68	20.58	21.25	21.50	22.17	23.36
4H	2H	19.40	20.20	20.30	21.11	22.26	18.53	19.33	19.43	20.23	21.39
	3H	21.28	21.95	22.19	22.88	24.05	20.27	20.94	21.18	21.87	23.04
	4H	22.03	22.64	22.95	23.57	24.76	20.95	21.56	21.87	22.49	23.68
	6H	22.55	23.08	23.49	24.03	25.23	21.43	21.95	22.36	22.91	24.10
	8H	22.76	23.25	23.70	24.20	25.41	21.62	22.11	22.56	23.06	24.27
	12H	22.87	23.31	23.83	24.28	25.49	21.71	22.15	22.67	23.12	24.33
8H	4H	22.19	22.68	23.13	23.63	24.84	21.23	21.72	22.17	22.67	23.88
	6H	22.84	23.24	23.80	24.23	25.44	21.84	22.24	22.80	23.23	24.44
	8H	23.13	23.49	24.10	24.47	25.69	22.11	22.47	23.09	23.45	24.67
	12H	23.31	23.62	24.28	24.59	25.87	22.27	22.58	23.24	23.55	24.83
12H	4H	22.18	22.62	23.13	23.58	24.80	21.24	21.68	22.19	22.64	23.86
	6H	22.87	23.23	23.84	24.20	25.43	21.90	22.26	22.87	23.24	24.46
	8H	23.19	23.50	24.16	24.47	25.75	22.21	22.53	23.19	23.50	24.77