

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: P1439551

Luminaire Tested: CB3-D-055U-085D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439551
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-055U-085D-940-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

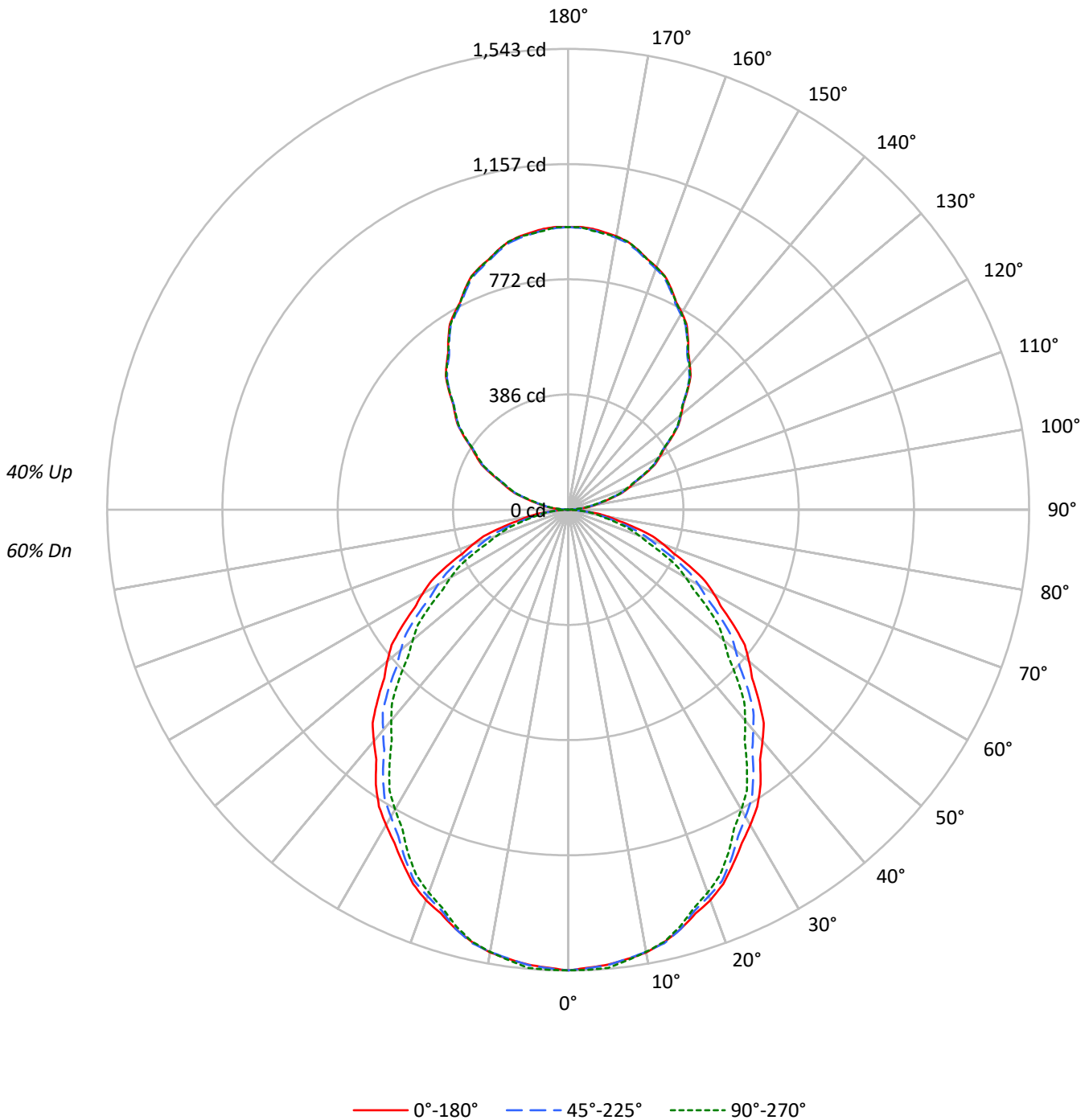
Lumens per Lamp: N/A
Luminaire Lumens: 6131.0 lumens
Efficiency: N/A
Efficacy: 147.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 41.6
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: P1439551

CATALOG NUMBER: CB3-D-055U-085D-940-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P1439551

CATALOG NUMBER: CB3-D-055U-085D-940-1D-UNV-STD-W-4

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	66	66	66	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	70	59	51	45	66	55	48	43	49	43	38	43	38	35	37	34	31	28
6	65	53	45	39	61	50	42	37	44	38	34	39	34	30	34	30	27	24
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	32	28	24	28	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	24	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17454	17454	17454
5°	17371	17383	17491
10°	17295	17269	17269
15°	17031	17031	16927
20°	16755	16582	16428
25°	16323	16118	15831
30°	15924	15508	15137
35°	15503	14929	14400
40°	14944	14234	13618
45°	14438	13615	12774
50°	13916	12876	11950
55°	13349	12161	11167
60°	12738	11423	10283
65°	12021	10583	9352
70°	11195	9600	8333
75°	10151	8424	7419
80°	8848	7063	6561
85°	6829	5972	5972

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14438 cd/sqm



TEST NUMBER: P1439551

CATALOG NUMBER: CB3-D-055U-085D-940-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.5	2.4
10°-20°	408.9	6.7
20°-30°	593.9	9.7
30°-40°	675.1	11.0
40°-50°	655.4	10.7
50°-60°	553.3	9.0
60°-70°	393.7	6.4
70°-80°	210.3	3.4
80°-90°	55.6	0.9
90°-100°	40.0	0.7
100°-110°	156.5	2.6
110°-120°	278.9	4.5
120°-130°	377.4	6.2
130°-140°	433.9	7.1
140°-150°	435.4	7.1
150°-160°	374.4	6.1
160°-170°	253.5	4.1
170°-180°	89.4	1.5
0°-30°	1148.3	18.7
0°-40°	1823.4	29.7
0°-60°	3032.1	49.5
0°-90°	3691.7	60.2
90°-120°	475.4	7.8
90°-150°	1722.0	28.1
90°-180°	2439.0	39.8
0°-180°	6131.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1543	1543	1543	1543	1543	
5°	1529	1549	1530	1529	1540	145
15°	1454	1467	1454	1445	1445	410
25°	1308	1312	1291	1273	1268	603
35°	1122	1112	1081	1049	1042	699
45°	902	888	851	810	798	696
55°	677	658	616	577	566	605
65°	449	433	395	360	349	445
75°	232	219	193	173	170	248
85°	53	48	46	46	46	62
90°	0	0	0	0	0	4
95°	38	35	31	29	30	44
105°	152	151	146	144	142	162
115°	284	286	279	279	278	282
125°	424	429	420	419	420	379
135°	565	570	561	557	562	435
145°	700	705	694	690	697	437
155°	816	824	810	806	815	376
165°	901	909	897	892	901	254
175°	944	953	940	934	938	90
180°	946	946	946	946	946	

TEST NUMBER: P1439551

CATALOG NUMBER: CB3-D-055U-085D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1542.6	1542.6	1542.6	1542.6	1542.6
2.5°	1534.7	1550.1	1536.4	1538.3	1541.7
5°	1529.4	1548.7	1530.5	1528.6	1540.0
7.5°	1517.6	1535.2	1516.3	1511.9	1521.5
10°	1505.3	1524.6	1503.1	1497.8	1503.1
12.5°	1483.4	1503.6	1486.5	1477.6	1482.1
15°	1453.9	1466.7	1453.9	1445.1	1445.1
17.5°	1417.7	1431.2	1407.0	1400.8	1398.3
20°	1391.5	1403.2	1377.2	1368.4	1364.4
22.5°	1356.4	1367.3	1345.7	1330.1	1325.9
25°	1307.5	1311.8	1291.1	1273.4	1268.1
27.5°	1259.1	1260.2	1231.7	1210.3	1203.3
30°	1218.8	1219.9	1187.0	1163.9	1158.6
32.5°	1178.5	1175.3	1144.1	1116.7	1113.0
35°	1122.4	1111.7	1080.8	1048.9	1042.5
37.5°	1054.8	1048.3	1011.8	979.9	970.2
40°	1011.8	1001.1	963.7	931.7	922.0
42.5°	968.9	956.5	918.1	882.6	872.1
45°	902.3	888.4	850.9	810.1	798.3
47.5°	835.3	820.1	778.8	739.3	726.2
50°	790.6	774.6	731.5	692.9	678.9
52.5°	745.1	728.2	685.1	645.6	634.3
55°	676.7	658.5	616.5	576.9	566.1
57.5°	608.4	590.4	548.6	511.1	498.3
60°	562.9	545.7	504.8	467.3	454.4
62.5°	516.4	500.2	460.1	423.5	411.5
65°	449.0	432.9	395.3	360.0	349.3
67.5°	382.2	368.5	331.4	299.0	290.4
70°	338.4	325.5	290.2	260.4	251.9
72.5°	296.3	282.6	249.0	223.7	217.7
75°	232.2	219.3	192.7	172.9	169.7
77.5°	173.5	163.0	139.9	128.7	127.0
80°	135.8	126.2	108.4	100.7	100.7
82.5°	100.7	92.8	81.3	78.0	78.0
85°	52.6	48.3	46.0	46.0	46.0
87.5°	15.8	15.8	14.9	14.0	14.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	10.5	9.3	5.8	4.6	4.6
95°	38.5	34.9	31.2	29.0	29.8
97.5°	71.0	67.6	63.0	60.8	61.4
100°	93.6	90.8	85.6	83.5	83.5
102.5°	115.7	114.0	108.9	106.7	107.3
105°	151.7	151.0	145.9	143.7	142.2
107.5°	191.4	190.2	184.5	184.3	183.0
110°	217.0	216.3	211.2	210.4	209.7



TEST NUMBER: P1439551

CATALOG NUMBER: CB3-D-055U-085D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	243.1	244.1	238.5	237.7	237.0
115°	284.5	285.9	279.4	278.7	277.9
117.5°	326.9	328.8	321.9	321.2	319.9
120°	354.1	358.4	349.8	349.1	348.3
122.5°	382.0	385.7	377.7	376.4	376.2
125°	423.8	428.8	420.2	418.8	419.5
127.5°	465.6	470.7	462.7	459.8	461.4
130°	493.5	499.2	490.6	487.7	489.9
132.5°	521.9	527.6	519.0	516.2	519.5
135°	564.6	570.3	561.0	556.8	562.4
137.5°	606.3	611.2	601.0	598.1	604.1
140°	633.6	638.5	627.7	624.3	631.4
142.5°	660.3	665.8	653.9	650.4	658.1
145°	699.6	705.3	693.8	690.3	696.7
147.5°	737.3	743.1	731.5	727.5	734.0
150°	760.6	766.9	754.7	751.3	758.4
152.5°	783.2	790.1	777.4	773.4	782.2
155°	816.4	823.5	809.9	806.5	815.0
157.5°	846.3	852.9	840.5	837.1	844.4
160°	864.3	871.4	858.5	855.1	863.6
162.5°	880.0	887.1	875.4	870.8	879.3
165°	901.3	909.1	897.0	892.1	901.3
167.5°	919.2	927.6	914.7	910.3	919.5
170°	929.6	937.4	924.6	919.0	928.2
172.5°	936.6	944.4	931.5	925.9	932.3
175°	944.2	952.7	939.8	934.1	937.6
177.5°	947.5	954.3	944.0	939.0	946.9
180°	946.3	946.3	946.3	946.3	946.3



TEST NUMBER: P1439551
 CATALOG NUMBER: CB3-D-055U-085D-940-1D-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	17.98	18.92	18.84	19.81	20.93	16.90	17.85	17.77	18.73	19.85
	3H	19.65	20.50	20.53	21.40	22.54	18.32	19.17	19.20	20.06	21.21
	4H	20.29	21.09	21.18	21.99	23.14	18.84	19.64	19.74	20.54	21.70
	6H	20.67	21.41	21.58	22.32	23.49	19.16	19.90	20.07	20.81	21.98
	8H	20.81	21.52	21.73	22.44	23.61	19.29	19.99	20.20	20.92	22.08
	12H	20.88	21.55	21.80	22.47	23.67	19.37	20.04	20.29	20.96	22.15
4H	2H	18.40	19.20	19.30	20.10	21.25	17.54	18.34	18.44	19.24	20.40
	3H	20.29	20.96	21.20	21.90	23.06	19.16	19.83	20.07	20.77	21.94
	4H	21.05	21.66	21.97	22.58	23.78	19.77	20.38	20.70	21.31	22.51
	6H	21.55	22.08	22.49	23.03	24.23	20.19	20.72	21.13	21.67	22.86
	8H	21.75	22.24	22.68	23.18	24.39	20.36	20.85	21.30	21.80	23.01
	12H	21.85	22.29	22.81	23.25	24.47	20.47	20.91	21.43	21.88	23.09
8H	4H	21.18	21.67	22.12	22.62	23.83	20.04	20.53	20.98	21.48	22.69
	6H	21.80	22.21	22.77	23.20	24.41	20.57	20.98	21.54	21.97	23.18
	8H	22.08	22.44	23.05	23.42	24.64	20.83	21.19	21.80	22.16	23.39
	12H	22.25	22.56	23.23	23.54	24.81	21.01	21.32	21.98	22.29	23.57
12H	4H	21.16	21.60	22.12	22.57	23.78	20.05	20.49	21.01	21.46	22.67
	6H	21.82	22.18	22.79	23.16	24.39	20.63	20.99	21.61	21.97	23.20
	8H	22.13	22.44	23.10	23.41	24.69	20.92	21.23	21.89	22.20	23.48