

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1308846

Luminaire Tested: P3SQAS05R459035DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R459035DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

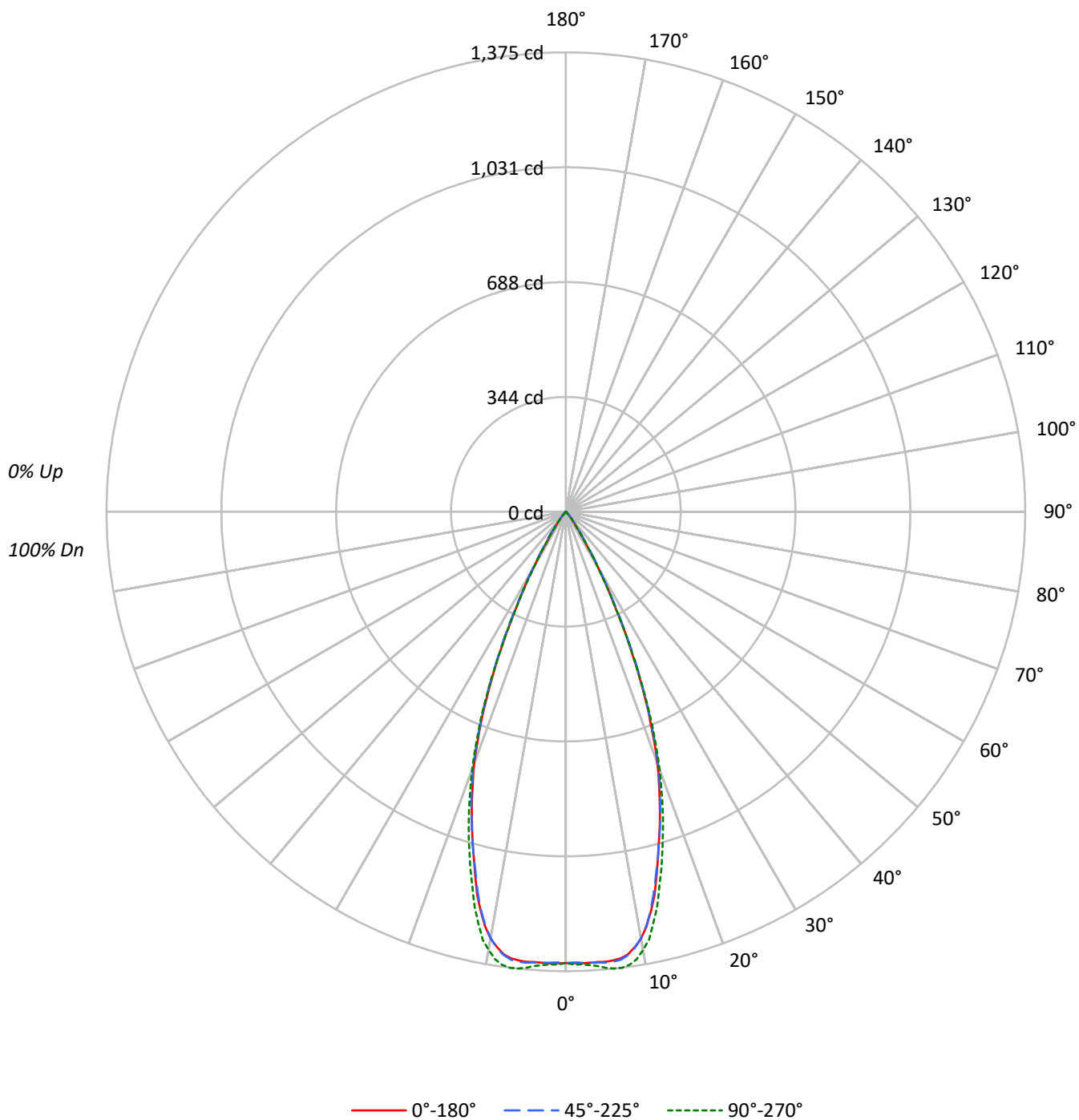
Lumens per Lamp: N/A
Luminaire Lumens: 698.9 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (Ain): 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: P1308846

CATALOG NUMBER: P3SQAS05R459035DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1308846

CATALOG NUMBER: P3SQAS05R459035DE010 E3SQCD1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92
4	101	95	91	87	100	94	90	87	92	88	86		90	87	85		88
5	98	91	86	82	96	90	85	82	88	84	81		87	83	81		85
6	94	86	82	78	93	86	81	78	84	80	77		83	79	77		82
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73
10	81	73	68	65	80	72	68	65	72	67	65		71	67	64		70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	232604	232604	232604
5°	233752	234201	236864
10°	226819	226626	232939
15°	190083	189994	196984
20°	146950	148453	150543
25°	90092	91954	90282
30°	38640	40370	37407
35°	12131	14633	11816
40°	4182	5328	4047
45°	755	2265	633
50°	402	831	402
55°	450	450	450
60°	344	344	344
65°	408	408	408
70°	252	252	252
75°	333	333	333
80°	496	496	496
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2265 cd/sqm

TEST NUMBER: P1308846

CATALOG NUMBER: P3SQAS05R459035DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	18.4
10°-20°	296.6	42.4
20°-30°	217.2	31.1
30°-40°	48.0	6.9
40°-50°	5.9	0.8
50°-60°	1.3	0.2
60°-70°	1.0	0.1
70°-80°	0.5	0.1
80°-90°	0.1	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	642.1	91.9
0°-40°	690.1	98.7
0°-60°	697.3	99.8
0°-90°	698.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	698.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1351	1351	1351	1351	1351	
5°	1352	1351	1355	1364	1370	128
15°	1066	1060	1066	1091	1105	294
25°	474	474	484	480	475	215
35°	58	61	70	61	56	46
45°	3	5	9	5	3	4
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1308846

CATALOG NUMBER: P3SQAS05R459035DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1350.6	1350.6	1350.6	1350.6	1350.6
1°	1351.6	1349.5	1349.0	1352.6	1355.2
2°	1352.6	1350.0	1350.6	1354.2	1355.7
3°	1351.6	1349.0	1351.6	1356.7	1358.8
4°	1351.1	1350.0	1352.6	1359.8	1363.4
5°	1352.1	1351.1	1354.7	1364.5	1370.1
6°	1350.6	1349.0	1354.2	1366.5	1374.8
7°	1347.0	1345.4	1351.1	1366.0	1375.3
8°	1337.2	1334.1	1339.7	1358.3	1369.6
9°	1319.6	1315.5	1321.2	1342.8	1356.2
10°	1297.0	1292.3	1295.9	1317.1	1332.0
11°	1264.5	1258.3	1262.4	1285.1	1304.7
12°	1223.3	1214.5	1219.7	1245.4	1259.4
13°	1178.5	1170.2	1171.2	1194.4	1214.0
14°	1122.8	1112.0	1116.6	1140.8	1156.3
15°	1066.1	1060.5	1065.6	1091.4	1104.8
17.5°	936.3	935.8	940.4	959.5	966.7
20°	801.8	803.3	810.0	820.3	821.4
22.5°	642.6	643.1	650.3	657.5	656.0
25°	474.1	473.5	483.9	480.2	475.1
27.5°	314.3	316.4	325.7	319.0	313.8
30°	194.3	198.4	203.0	194.8	188.1
32.5°	105.1	111.8	118.5	111.3	104.6
35°	57.7	60.8	69.6	60.8	56.2
37.5°	33.5	35.0	40.7	35.0	31.9
40°	18.6	21.1	23.7	21.1	18.0
42.5°	7.7	11.9	14.4	11.9	7.7
45°	3.1	5.2	9.3	5.2	2.6
47.5°	1.5	2.1	5.7	2.1	1.5
50°	1.5	1.5	3.1	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.0	1.0	1.0	1.5	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	0.5	0.5	0.5	1.0	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1308846

CATALOG NUMBER: P3SQAS05R459035DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)