

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: P1309880

Luminaire Tested: P3SQAS05R159040DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R159040DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

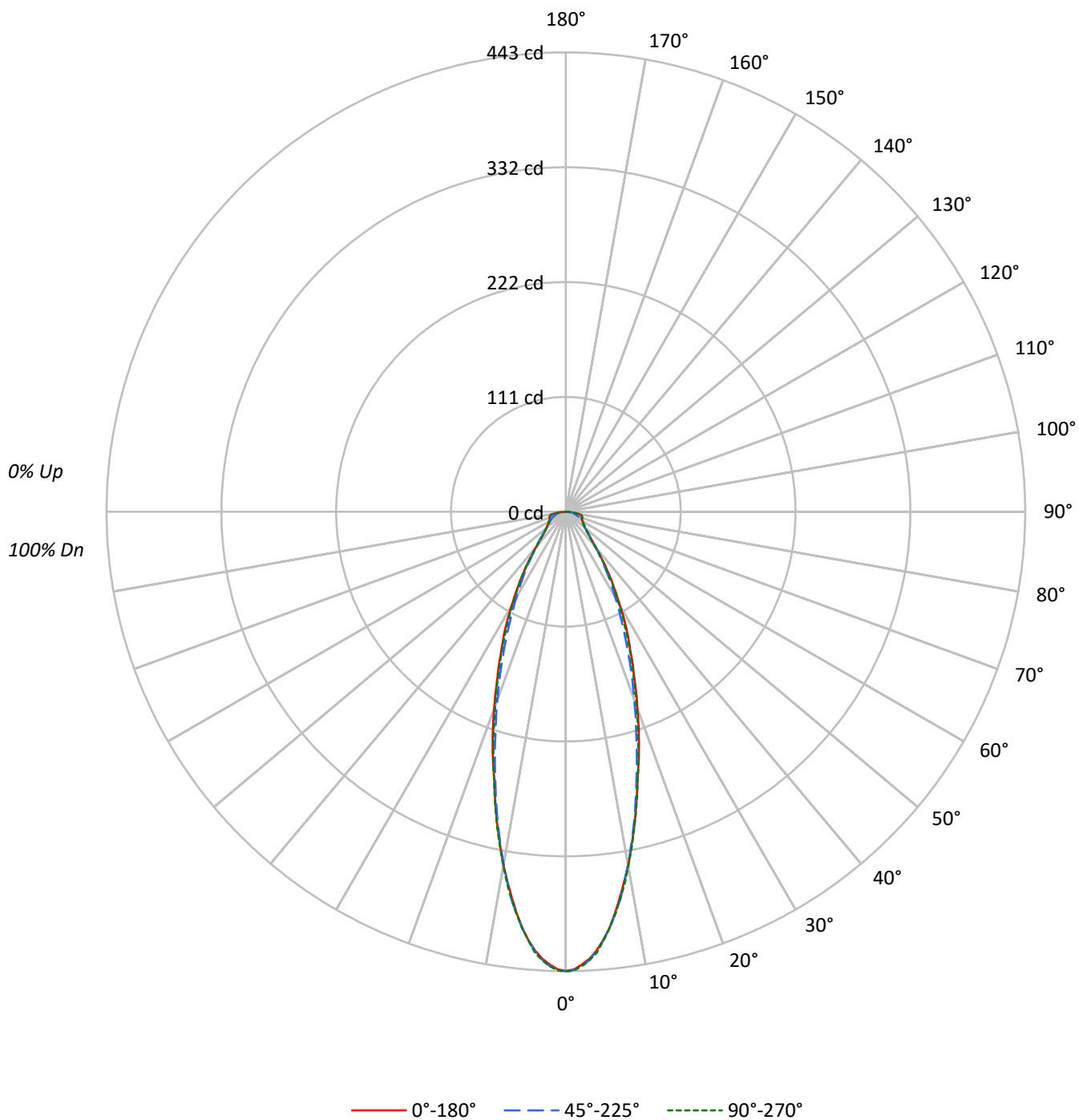
Lumens per Lamp: N/A
Luminaire Lumens: 297.0 lumens
Efficiency: N/A
Efficacy: 41.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1309880

CATALOG NUMBER: P3SQAS05R159040DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1309880

CATALOG NUMBER: P3SQAS05R159040DE010 E3SQPHLP1MW

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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94	92	91	89
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81	77	74	73
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75	71	68	66
5	87	77	70	65	85	76	70	65	74	69	64		72	68	64		71	67	63	61
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	68	61	56	77	67	60	56	66	60	56		64	59	55		63	58	55	53
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60	55	52	50
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57	52	49	47
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54	49	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	76295	76295	76295
5°	71659	71745	71745
10°	60526	60351	60718
15°	47606	46928	47695
20°	37003	35317	36508
25°	27934	25977	27516
30°	20762	18952	20344
35°	14822	13813	14591
40°	10049	10162	9915
45°	7477	7867	7477
50°	6484	6484	6484
55°	6305	5975	6305
60°	6476	5924	6303
65°	7009	6153	7009
70°	8409	6244	8409
75°	10713	6455	10713
80°	13389	6943	12794
85°	10671	6323	11659

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 13389 cd/sqm

TEST NUMBER: P1309880

CATALOG NUMBER: P3SQAS05R159040DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.4	12.6
10°-20°	73.9	24.9
20°-30°	65.3	22.0
30°-40°	42.9	14.4
40°-50°	25.1	8.4
50°-60°	18.5	6.2
60°-70°	15.7	5.3
70°-80°	13.0	4.4
80°-90°	5.4	1.8
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°	176.5	59.4
0°-40°	219.4	73.9
0°-60°	262.9	88.5
0°-90°	297.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	297.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	443	443	443	443	443	
5°	414	414	415	416	415	37
15°	267	267	263	266	268	75
25°	147	142	137	140	145	68
35°	70	68	66	67	69	44
45°	31	31	32	31	31	25
55°	21	20	20	20	21	19
65°	17	16	15	16	17	17
75°	16	12	10	12	16	16
85°	5	6	3	5	6	6
90°	0	0	0	0	0	

TEST NUMBER: P1309880

CATALOG NUMBER: P3SQAS05R159040DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	443.0	443.0	443.0	443.0	443.0
1°	441.4	442.0	442.0	442.5	442.5
2°	437.1	438.2	438.7	438.7	438.7
3°	431.7	432.3	432.8	433.3	433.3
4°	424.2	424.7	424.7	425.8	426.3
5°	414.5	414.5	415.0	415.6	415.0
6°	403.2	403.2	403.7	403.7	403.7
7°	389.7	390.3	390.8	391.4	390.8
8°	375.2	375.7	377.4	377.4	376.8
9°	360.7	361.2	361.2	362.8	362.8
10°	346.1	346.1	345.1	346.1	347.2
12.5°	306.8	306.3	304.7	306.3	307.4
15°	267.0	267.0	263.2	266.5	267.5
17.5°	234.7	229.9	226.1	229.3	232.0
20°	201.9	197.0	192.7	195.9	199.2
22.5°	172.3	168.5	163.1	166.3	170.1
25°	147.0	142.1	136.7	140.5	144.8
27.5°	126.0	119.5	114.1	118.4	122.2
30°	104.4	100.1	95.3	98.5	102.3
32.5°	86.1	82.9	79.1	81.8	85.1
35°	70.5	67.8	65.7	67.3	69.4
37.5°	56.5	55.4	54.4	54.9	54.9
40°	44.7	45.2	45.2	45.2	44.1
42.5°	36.6	37.1	38.2	37.1	36.6
45°	30.7	31.2	32.3	31.2	30.7
47.5°	26.9	27.5	28.0	26.9	26.9
50°	24.2	24.2	24.2	24.2	24.2
52.5°	22.6	22.1	22.1	22.1	22.6
55°	21.0	20.5	19.9	20.5	21.0
57.5°	19.4	18.8	18.3	18.8	19.4
60°	18.8	17.8	17.2	17.8	18.3
62.5°	17.8	16.7	16.1	16.7	17.8
65°	17.2	15.6	15.1	15.6	17.2
67.5°	16.7	14.5	13.5	14.5	16.7
70°	16.7	13.5	12.4	14.0	16.7
72.5°	16.1	12.9	10.8	12.9	16.1
75°	16.1	11.8	9.7	12.4	16.1
77.5°	15.1	10.8	8.1	11.3	15.1
80°	13.5	9.7	7.0	10.2	12.9
82.5°	9.7	8.1	5.4	8.1	9.7
85°	5.4	5.9	3.2	5.4	5.9
87.5°	0.5	1.6	1.1	3.2	2.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)