

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: P1315924

Luminaire Tested: P3SQAS05R209827DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315924
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R209827DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

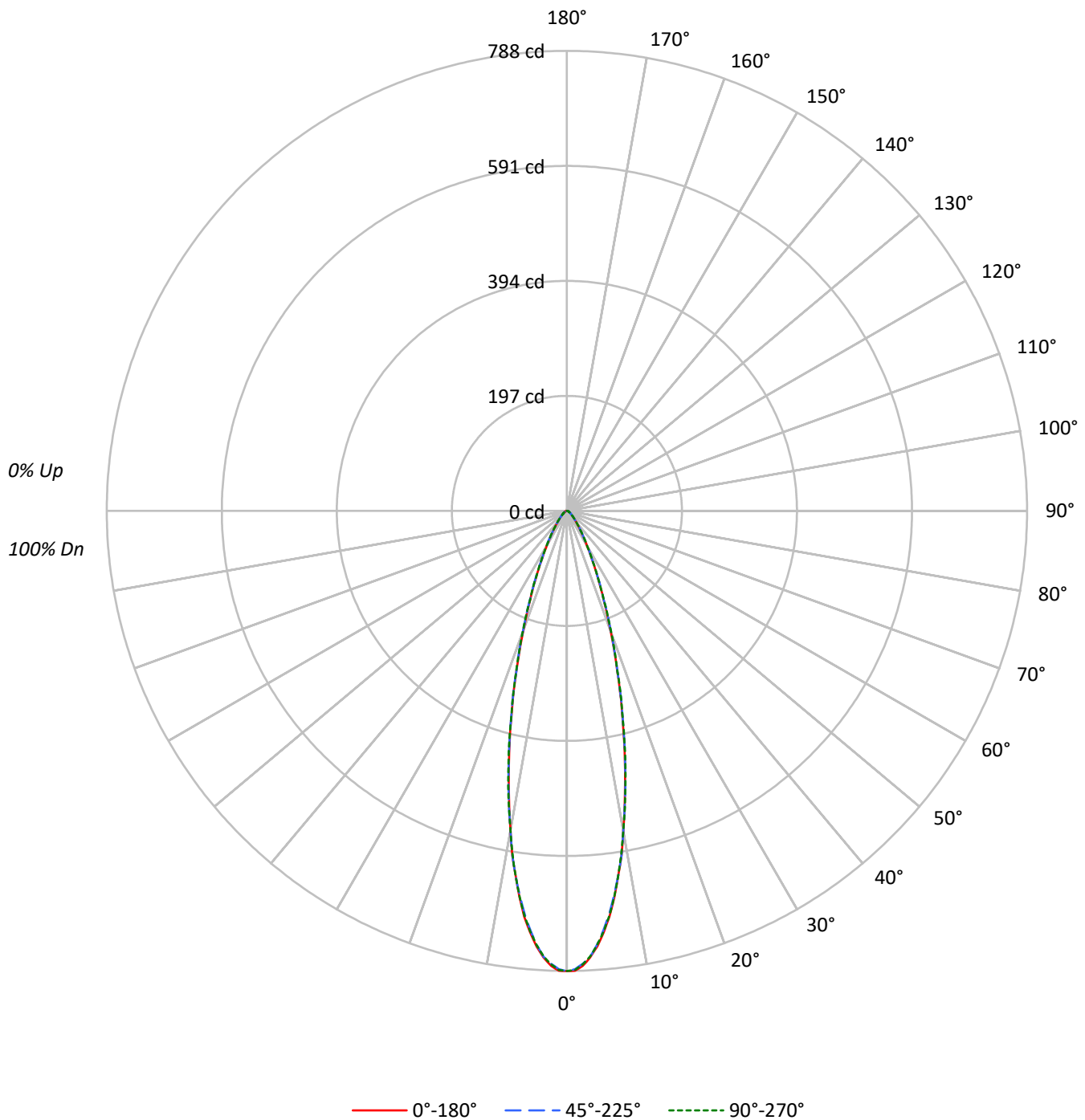
Lumens per Lamp: N/A
Luminaire Lumens: 276.9 lumens
Efficiency: N/A
Efficacy: 38.5 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1315924

CATALOG NUMBER: P3SQAS05R209827DE010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315924

CATALOG NUMBER: P3SQAS05R209827DE010 E3SQPHL1MW

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	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	135746	135746	135746
5°	125235	124526	124941
10°	97181	97303	97303
15°	65685	65988	65988
20°	39899	40394	40596
25°	23392	23734	23658
30°	13642	13921	14000
35°	8347	8557	8557
40°	5418	5508	5576
45°	3775	3873	3946
50°	2760	2867	2867
55°	2162	2282	2282
60°	1894	1894	2032
65°	1671	1671	1834
70°	1561	1561	1561
75°	1397	1397	1397
80°	992	992	1389
85°	593	593	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3946 cd/sqm

TEST NUMBER: P1315924

CATALOG NUMBER: P3SQAS05R209827DE010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.6	23.0
10°-20°	101.8	36.8
20°-30°	58.9	21.3
30°-40°	26.4	9.5
40°-50°	12.5	4.5
50°-60°	6.9	2.5
60°-70°	4.1	1.5
70°-80°	2.2	0.8
80°-90°	0.5	0.2
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°	224.3	81.0
0°-40°	250.7	90.5
0°-60°	270.1	97.5
0°-90°	276.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	276.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	788	788	788	788	788	
5°	724	722	720	722	723	64
15°	368	368	370	368	370	101
25°	123	123	125	124	124	58
35°	40	40	41	41	41	26
45°	16	16	16	16	16	12
55°	7	7	8	8	8	7
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	0	0	0	0	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1315924

CATALOG NUMBER: P3SQAS05R209827DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	788.2	788.2	788.2	788.2	788.2
1°	787.9	785.8	785.1	784.4	786.5
2°	779.9	777.5	776.1	776.8	777.2
3°	765.8	764.4	764.4	763.4	764.1
4°	747.5	744.8	744.8	745.1	745.1
5°	724.4	722.0	720.3	721.6	722.7
6°	698.5	695.4	694.1	694.4	696.8
7°	666.8	662.7	663.3	665.1	665.1
8°	630.9	630.6	631.3	630.6	631.3
9°	597.8	593.0	597.1	593.7	595.4
10°	555.7	555.4	556.4	557.4	556.4
12.5°	459.8	461.6	462.2	460.9	464.0
15°	368.4	368.4	370.1	368.4	370.1
17.5°	286.7	286.3	287.7	286.3	288.4
20°	217.7	220.1	220.4	220.4	221.5
22.5°	164.2	164.2	165.6	165.9	165.2
25°	123.1	123.1	124.9	123.8	124.5
27.5°	91.1	91.8	93.1	93.8	93.8
30°	68.6	69.0	70.0	70.4	70.4
32.5°	51.7	52.4	53.1	53.5	53.8
35°	39.7	40.0	40.7	41.0	40.7
37.5°	30.4	30.7	31.4	31.7	31.7
40°	24.1	24.1	24.5	24.8	24.8
42.5°	19.0	19.3	19.3	19.7	19.7
45°	15.5	15.5	15.9	15.9	16.2
47.5°	12.4	12.4	12.8	13.1	13.1
50°	10.3	10.3	10.7	10.7	10.7
52.5°	8.6	8.6	9.0	9.0	9.0
55°	7.2	7.2	7.6	7.6	7.6
57.5°	6.2	6.2	6.6	6.6	6.6
60°	5.5	5.5	5.5	5.5	5.9
62.5°	4.8	4.8	4.8	4.8	4.8
65°	4.1	4.1	4.1	4.1	4.5
67.5°	3.4	3.4	3.4	3.4	3.8
70°	3.1	3.1	3.1	3.1	3.1
72.5°	2.4	2.4	2.4	2.8	2.8
75°	2.1	2.1	2.1	2.1	2.1
77.5°	1.7	1.7	1.7	1.7	1.7
80°	1.0	1.0	1.0	1.4	1.4
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.3	0.3	0.3	0.3	0.7
87.5°	0.0	0.0	0.0	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)