

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: P1308762

Luminaire Tested: P3SQAS05R159035DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308762
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: P3SQAS05R159035DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

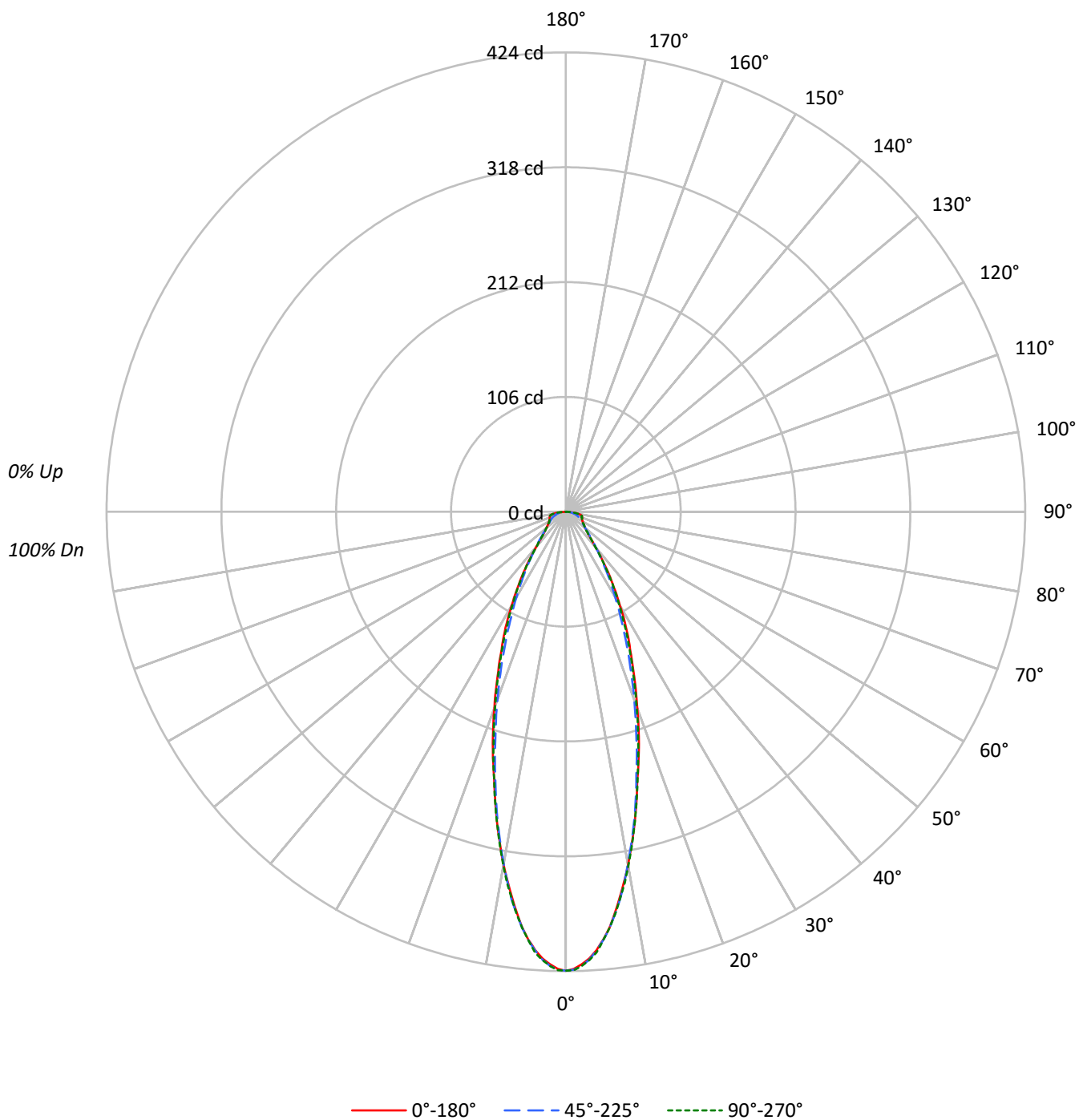
Lumens per Lamp: N/A
Luminaire Lumens: 284.0 lumens
Efficiency: N/A
Efficacy: 39.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1308762

CATALOG NUMBER: P3SQAS05R159035DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	72954	72954	72954
5°	68530	68616	68616
10°	57885	57710	58060
15°	45519	44878	45609
20°	35372	33778	34914
25°	26699	24836	26319
30°	19867	18117	19449
35°	14171	13203	13960
40°	9600	9712	9487
45°	7136	7526	7136
50°	6216	6216	6216
55°	6035	5705	6035
60°	6200	5683	6028
65°	6724	5868	6724
70°	8057	5942	8057
75°	10247	6188	10247
80°	12794	6645	12298
85°	10078	6126	11263

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 12794 cd/sqm

TEST NUMBER: P1308762

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.7	12.6
10°-20°	70.6	24.9
20°-30°	62.4	22.0
30°-40°	41.0	14.4
40°-50°	24.0	8.4
50°-60°	17.6	6.2
60°-70°	15.1	5.3
70°-80°	12.4	4.4
80°-90°	5.1	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°	168.8	59.4
0°-40°	209.8	73.9
0°-60°	251.4	88.5
0°-90°	284.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	284.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	424	424	424	424	424	
5°	396	396	397	397	397	36
15°	255	255	252	255	256	71
25°	140	136	131	134	138	65
35°	67	65	63	64	66	43
45°	29	30	31	30	29	24
55°	20	20	19	20	20	18
65°	16	15	14	15	16	16
75°	15	11	9	12	15	16
85°	5	6	3	5	6	6
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	423.6	423.6	423.6	423.6	423.6
1°	422.1	422.6	422.6	423.1	423.1
2°	418.0	419.0	419.5	419.5	419.5
3°	412.8	413.3	413.9	414.4	414.4
4°	405.6	406.1	406.1	407.2	407.7
5°	396.4	396.4	396.9	397.4	396.9
6°	385.6	385.6	386.1	386.1	386.1
7°	372.7	373.2	373.7	374.2	373.7
8°	358.8	359.3	360.8	360.8	360.3
9°	344.9	345.4	345.4	346.9	346.9
10°	331.0	331.0	330.0	331.0	332.0
12.5°	293.4	292.9	291.4	292.9	293.9
15°	255.3	255.3	251.7	254.8	255.8
17.5°	224.4	219.8	216.2	219.3	221.9
20°	193.0	188.4	184.3	187.4	190.5
22.5°	164.7	161.1	156.0	159.1	162.7
25°	140.5	135.9	130.7	134.4	138.5
27.5°	120.5	114.3	109.1	113.2	116.8
30°	99.9	95.7	91.1	94.2	97.8
32.5°	82.4	79.3	75.7	78.2	81.3
35°	67.4	64.9	62.8	64.3	66.4
37.5°	54.0	53.0	52.0	52.5	52.5
40°	42.7	43.2	43.2	43.2	42.2
42.5°	35.0	35.5	36.5	35.5	35.0
45°	29.3	29.9	30.9	29.9	29.3
47.5°	25.7	26.3	26.8	25.7	25.7
50°	23.2	23.2	23.2	23.2	23.2
52.5°	21.6	21.1	21.1	21.1	21.6
55°	20.1	19.6	19.0	19.6	20.1
57.5°	18.5	18.0	17.5	18.0	18.5
60°	18.0	17.0	16.5	17.0	17.5
62.5°	17.0	16.0	15.4	16.0	17.0
65°	16.5	14.9	14.4	14.9	16.5
67.5°	16.0	13.9	12.9	13.9	16.0
70°	16.0	12.9	11.8	13.4	16.0
72.5°	15.4	12.4	10.3	12.4	15.4
75°	15.4	11.3	9.3	11.8	15.4
77.5°	14.4	10.3	7.7	10.8	14.4
80°	12.9	9.3	6.7	9.8	12.4
82.5°	9.3	7.7	5.1	7.7	9.3
85°	5.1	5.7	3.1	5.1	5.7
87.5°	0.5	1.5	1.0	3.1	2.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)