

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: P1317955

Luminaire Tested: P3SQAS13R159835DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317955
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: P3SQAS13R159835DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

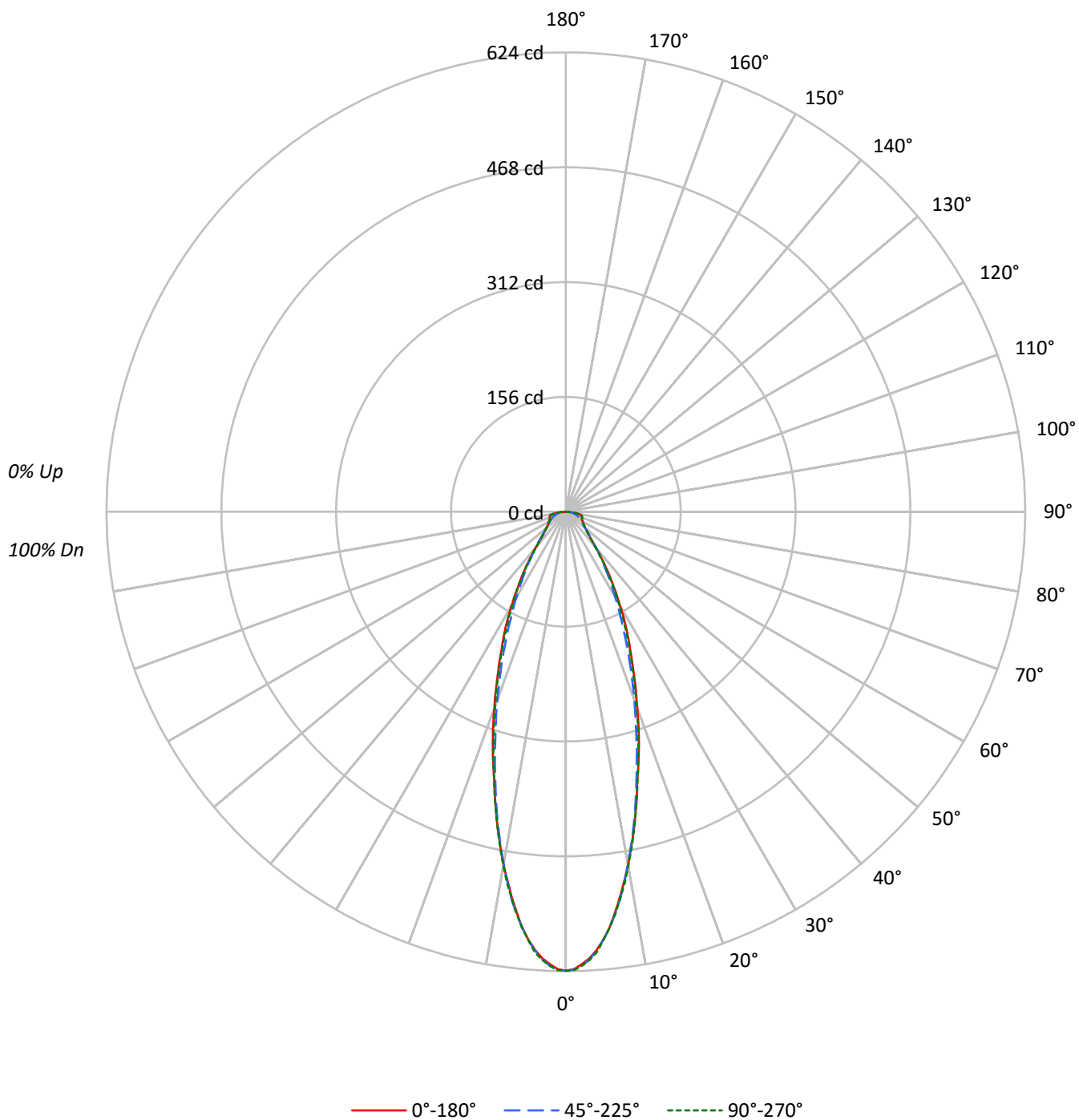
Lumens per Lamp: N/A
Luminaire Lumens: 418.0 lumens
Efficiency: N/A
Efficacy: 28.8 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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

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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°	107381	107381	107381
5°	100858	100980	100980
10°	85201	84921	85464
15°	67004	66059	67129
20°	52069	49704	51372
25°	39298	36561	38727
30°	29233	26668	28617
35°	20856	19427	20541
40°	14141	14299	13961
45°	10522	11082	10522
50°	9136	9136	9136
55°	8858	8407	8858
60°	9128	8336	8887
65°	9862	8639	9862
70°	11833	8762	11833
75°	15105	9050	15105
80°	18745	9720	18051
85°	15018	8892	16401

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 18745 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.6	12.6
10°-20°	104.0	24.9
20°-30°	91.9	22.0
30°-40°	60.4	14.4
40°-50°	35.3	8.4
50°-60°	26.0	6.2
60°-70°	22.1	5.3
70°-80°	18.2	4.4
80°-90°	7.6	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°	248.4	59.4
0°-40°	308.8	73.9
0°-60°	370.0	88.5
0°-90°	418.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	418.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	624	624	624	624	624	
5°	583	583	584	585	584	52
15°	376	376	370	375	376	105
25°	207	200	192	198	204	96
35°	99	96	92	95	98	63
45°	43	44	46	44	43	35
55°	30	29	28	29	30	27
65°	24	22	21	22	24	24
75°	23	17	14	17	23	23
85°	8	8	4	8	8	9
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	623.5	623.5	623.5	623.5	623.5
1°	621.3	622.0	622.0	622.8	622.8
2°	615.2	616.7	617.5	617.5	617.5
3°	607.6	608.4	609.1	609.9	609.9
4°	597.0	597.8	597.8	599.3	600.0
5°	583.4	583.4	584.1	584.9	584.1
6°	567.5	567.5	568.2	568.2	568.2
7°	548.5	549.3	550.0	550.8	550.0
8°	528.1	528.8	531.1	531.1	530.3
9°	507.6	508.4	508.4	510.6	510.6
10°	487.2	487.2	485.6	487.2	488.7
12.5°	431.8	431.1	428.8	431.1	432.6
15°	375.8	375.8	370.5	375.0	376.5
17.5°	330.3	323.5	318.2	322.8	326.5
20°	284.1	277.3	271.2	275.8	280.3
22.5°	242.4	237.1	229.6	234.1	239.4
25°	206.8	200.0	192.4	197.7	203.8
27.5°	177.3	168.2	160.6	166.7	172.0
30°	147.0	140.9	134.1	138.6	143.9
32.5°	121.2	116.7	111.4	115.2	119.7
35°	99.2	95.5	92.4	94.7	97.7
37.5°	79.6	78.0	76.5	77.3	77.3
40°	62.9	63.6	63.6	63.6	62.1
42.5°	51.5	52.3	53.8	52.3	51.5
45°	43.2	43.9	45.5	43.9	43.2
47.5°	37.9	38.6	39.4	37.9	37.9
50°	34.1	34.1	34.1	34.1	34.1
52.5°	31.8	31.1	31.1	31.1	31.8
55°	29.5	28.8	28.0	28.8	29.5
57.5°	27.3	26.5	25.8	26.5	27.3
60°	26.5	25.0	24.2	25.0	25.8
62.5°	25.0	23.5	22.7	23.5	25.0
65°	24.2	22.0	21.2	22.0	24.2
67.5°	23.5	20.5	18.9	20.5	23.5
70°	23.5	18.9	17.4	19.7	23.5
72.5°	22.7	18.2	15.2	18.2	22.7
75°	22.7	16.7	13.6	17.4	22.7
77.5°	21.2	15.2	11.4	15.9	21.2
80°	18.9	13.6	9.8	14.4	18.2
82.5°	13.6	11.4	7.6	11.4	13.6
85°	7.6	8.3	4.5	7.6	8.3
87.5°	0.8	2.3	1.5	4.5	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)