

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: P1316415

Luminaire Tested: P3SQAS17R359827DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R359827DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

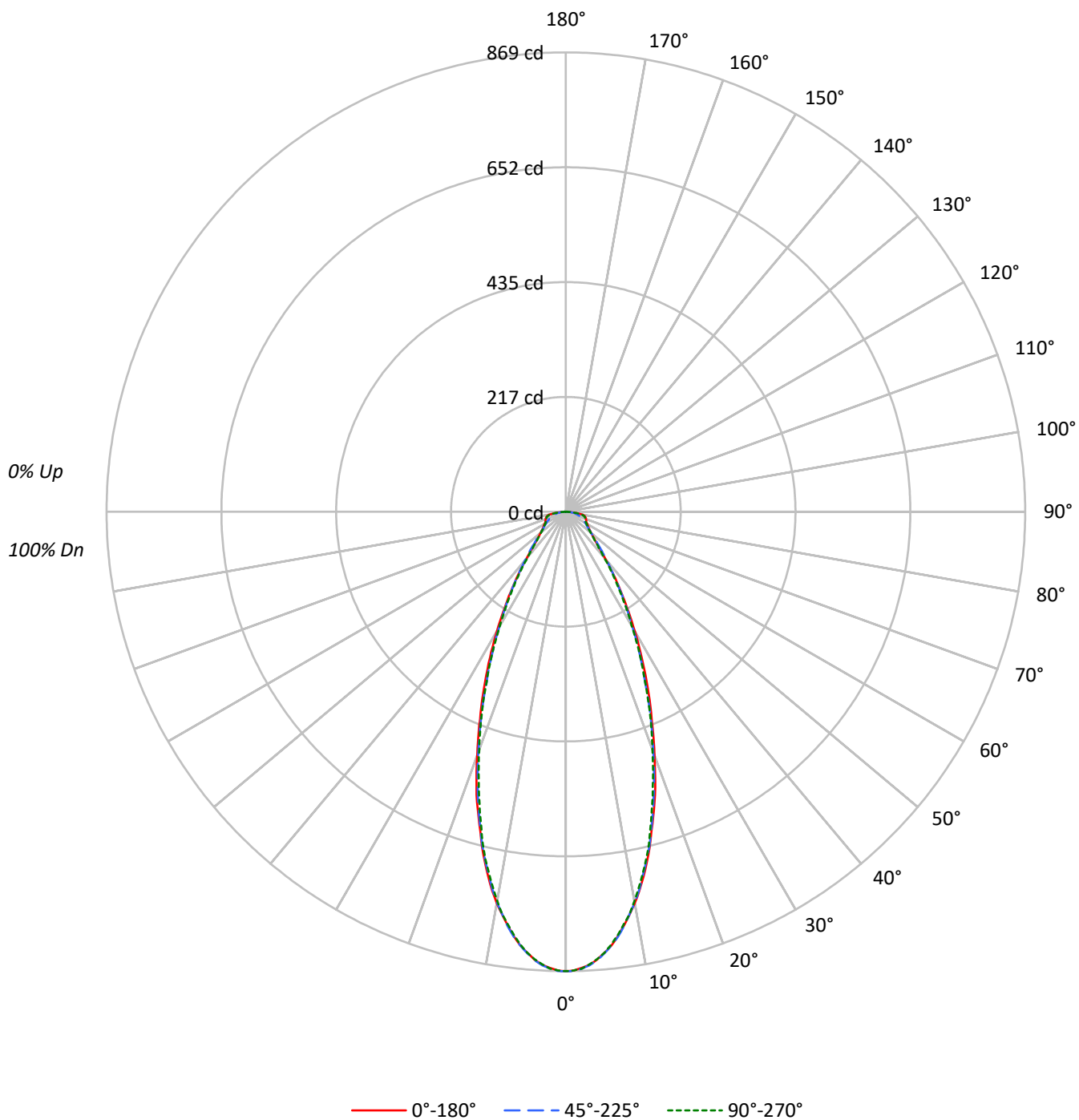
Lumens per Lamp: N/A
Luminaire Lumens: 719.0 lumens
Efficiency: N/A
Efficacy: 35.2 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	101	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	69	64	73	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66
7	77	66	60	55	76	66	59	54	64	58	54		63	58	54		62
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	149661	149661	149661
5°	144753	144943	144753
10°	131492	131299	130722
15°	111615	111240	110259
20°	89860	88669	87862
25°	69474	67383	67383
30°	51804	50054	49617
35°	37276	36814	35889
40°	26079	26821	25090
45°	19460	20532	18925
50°	16719	16719	16424
55°	15764	15103	15433
60°	16223	14708	15466
65°	17401	14711	16953
70°	20394	15408	19840
75°	25485	16037	24754
80°	32531	17356	29357
85°	25886	17389	25886

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 32531 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	10.7
10°-20°	172.2	24.0
20°-30°	164.5	22.9
30°-40°	110.5	15.4
40°-50°	64.9	9.0
50°-60°	46.4	6.5
60°-70°	38.6	5.4
70°-80°	31.7	4.4
80°-90°	13.0	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°	413.9	57.6
0°-40°	524.4	72.9
0°-60°	635.7	88.4
0°-90°	719.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	719.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	869	869	869	869	869	
5°	837	840	838	837	837	77
15°	626	627	624	620	618	174
25°	366	361	355	355	355	168
35°	177	177	175	172	171	112
45°	80	82	84	80	78	64
55°	52	51	50	50	51	48
65°	43	38	36	38	42	43
75°	38	30	24	30	37	40
85°	13	14	9	14	13	15
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	869.0	869.0	869.0	869.0	869.0
1°	867.9	869.0	869.0	867.9	867.9
2°	863.5	865.7	864.6	863.5	864.6
3°	858.1	860.3	859.2	858.1	857.0
4°	849.3	851.5	850.4	848.2	848.2
5°	837.3	839.5	838.4	837.3	837.3
6°	825.2	827.4	825.2	823.1	823.1
7°	808.8	812.1	809.9	807.7	806.6
8°	790.2	793.5	791.3	790.2	788.0
9°	771.6	773.8	770.5	770.5	770.5
10°	751.9	753.0	750.8	747.5	747.5
11°	730.0	728.9	727.8	725.6	723.5
12°	705.9	705.9	702.7	700.5	699.4
13°	680.8	679.7	677.5	675.3	675.3
14°	654.5	654.5	652.3	647.9	649.0
15°	626.0	627.1	623.9	619.5	618.4
17.5°	561.5	559.3	553.8	550.5	547.2
20°	490.3	489.2	483.8	480.5	479.4
22.5°	424.7	423.6	418.1	414.8	417.0
25°	365.6	361.2	354.6	354.6	354.6
27.5°	310.8	305.4	301.0	298.8	301.0
30°	260.5	256.1	251.7	250.6	249.5
32.5°	215.6	213.4	211.2	208.0	208.0
35°	177.3	177.3	175.1	171.8	170.7
37.5°	144.5	145.6	144.5	141.2	140.1
40°	116.0	118.2	119.3	116.0	111.6
42.5°	95.2	98.5	100.7	95.2	91.9
45°	79.9	82.1	84.3	79.9	77.7
47.5°	70.0	71.1	72.2	69.0	67.9
50°	62.4	62.4	62.4	61.3	61.3
52.5°	56.9	56.9	55.8	54.7	54.7
55°	52.5	51.4	50.3	50.3	51.4
57.5°	49.3	48.2	46.0	47.1	48.2
60°	47.1	44.9	42.7	43.8	44.9
62.5°	43.8	41.6	39.4	40.5	42.7
65°	42.7	38.3	36.1	38.3	41.6
67.5°	41.6	36.1	32.8	36.1	40.5
70°	40.5	33.9	30.6	33.9	39.4
72.5°	39.4	31.7	27.4	31.7	38.3
75°	38.3	29.6	24.1	29.6	37.2
77.5°	36.1	27.4	20.8	27.4	33.9
80°	32.8	25.2	17.5	24.1	29.6
82.5°	24.1	20.8	14.2	20.8	21.9
85°	13.1	14.2	8.8	14.2	13.1
87.5°	1.1	2.2	2.2	6.6	4.4



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)