

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: P1306247

Luminaire Tested: P3SQAS20R359024D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359024D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

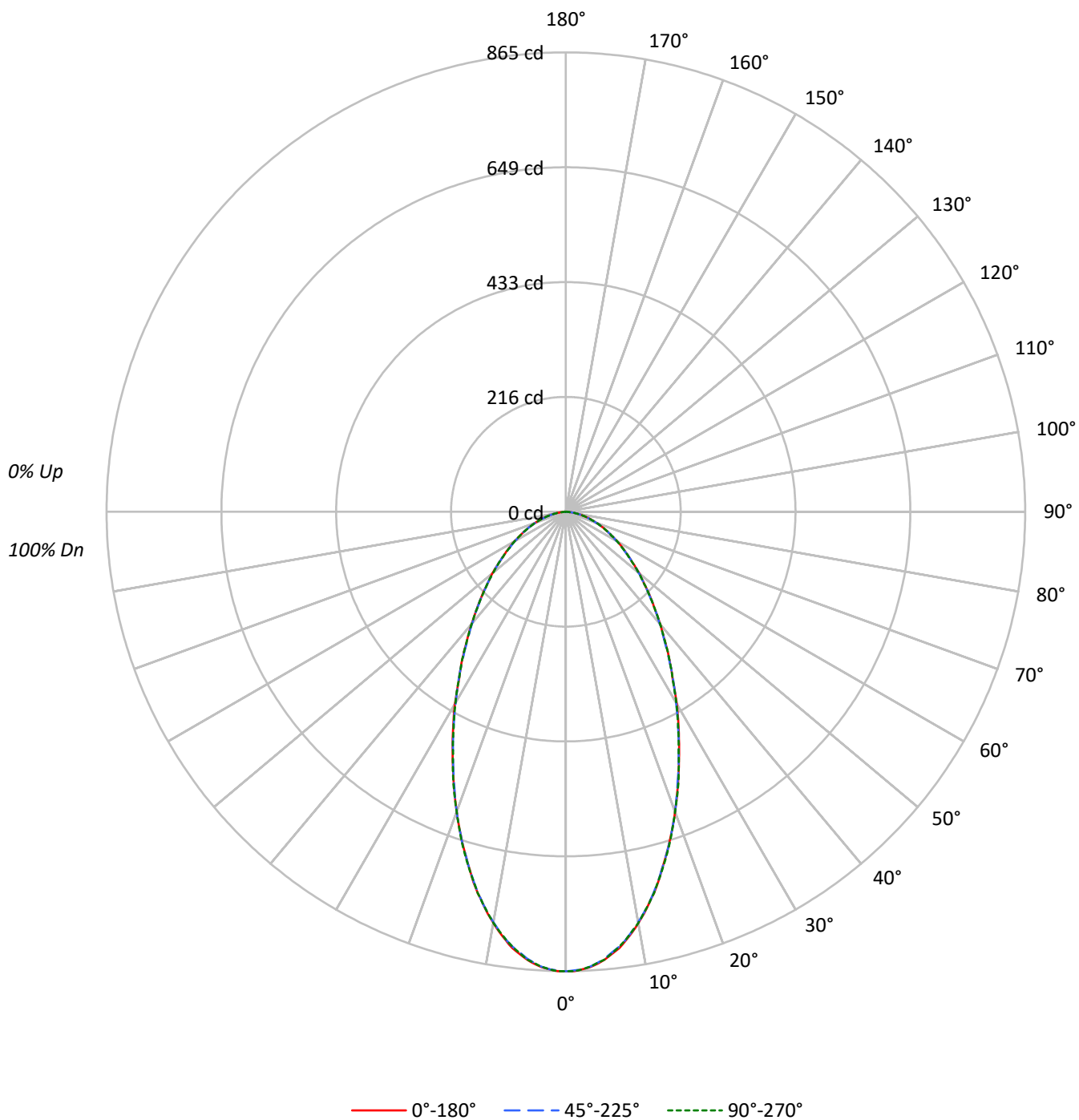
Lumens per Lamp: N/A
Luminaire Lumens: 1156.0 lumens
Efficiency: N/A
Efficacy: 40.1 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	103	100	108	105	101	99	100	98	95		97	95	93		93
2	103	96	90	85	100	94	89	84	90	86	82		87	84	81		84
3	95	86	79	74	93	85	78	73	82	76	72		79	75	71		77
4	88	78	71	65	86	77	70	65	75	68	64		72	67	63		70
5	82	71	64	58	80	70	63	58	68	62	57		66	61	56		65
6	77	65	58	52	75	65	57	52	63	56	51		61	55	51		60
7	72	60	53	47	71	60	52	47	58	52	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	43		53	47	43		52
9	64	52	45	40	63	51	44	40	50	44	39		49	44	39		48
10	60	49	42	37	59	48	41	37	47	41	37		46	41	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	149024	149024	149024
5°	146240	145980	146240
10°	137490	137228	137490
15°	124488	124488	124755
20°	110185	110185	110185
25°	95830	95545	95545
30°	83066	82489	82768
35°	71525	71210	71525
40°	62051	61713	62051
45°	54509	54143	54143
50°	48362	47960	47960
55°	42547	42547	42547
60°	38543	38027	38543
65°	34639	34639	34639
70°	30817	30817	30817
75°	27814	26816	27814
80°	23704	23704	23704
85°	14820	14820	14820

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 54509 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	6.8
10°-20°	194.8	16.8
20°-30°	231.4	20.0
30°-40°	212.7	18.4
40°-50°	172.7	14.9
50°-60°	127.7	11.1
60°-70°	84.4	7.3
70°-80°	43.7	3.8
80°-90°	9.8	0.9
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°	504.9	43.7
0°-40°	717.6	62.1
0°-60°	1018.0	88.1
0°-90°	1156.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1156.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	865	865	865	865	865	
5°	846	844	844	844	846	79
15°	698	698	698	698	700	195
25°	504	503	503	504	503	232
35°	340	339	339	340	340	213
45°	224	222	222	222	222	173
55°	142	142	142	142	142	128
65°	85	85	85	85	85	84
75°	42	42	40	42	42	44
85°	8	8	8	8	8	10
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	865.3	865.3	865.3	865.3	865.3
1°	865.3	863.8	863.8	863.8	865.3
2°	862.3	862.3	862.3	862.3	862.3
3°	859.3	857.9	857.9	857.9	857.9
4°	853.4	851.9	851.9	851.9	851.9
5°	845.9	844.4	844.4	844.4	845.9
6°	837.0	835.5	834.0	834.0	835.5
7°	828.0	825.0	825.0	825.0	825.0
8°	814.6	813.1	813.1	813.1	813.1
9°	801.2	798.2	799.7	799.7	799.7
10°	786.2	784.7	784.7	784.7	786.2
11°	771.3	769.8	769.8	768.3	769.8
12°	753.4	753.4	753.4	753.4	753.4
13°	737.0	735.5	735.5	735.5	737.0
14°	719.1	717.6	717.6	717.6	717.6
15°	698.2	698.2	698.2	698.2	699.7
17.5°	650.5	649.0	650.5	650.5	652.0
20°	601.2	599.7	601.2	601.2	601.2
22.5°	552.0	552.0	550.5	552.0	553.5
25°	504.3	502.8	502.8	504.3	502.8
27.5°	459.5	458.0	458.0	458.0	458.0
30°	417.7	414.8	414.8	416.2	416.2
32.5°	374.5	374.5	376.0	374.5	374.5
35°	340.2	338.7	338.7	340.2	340.2
37.5°	305.8	304.4	304.4	305.8	305.8
40°	276.0	276.0	274.5	276.0	276.0
42.5°	247.7	247.7	247.7	247.7	247.7
45°	223.8	222.3	222.3	222.3	222.3
47.5°	199.9	199.9	199.9	198.4	199.9
50°	180.5	179.0	179.0	179.0	179.0
52.5°	159.6	159.6	159.6	159.6	159.6
55°	141.7	141.7	141.7	141.7	141.7
57.5°	126.8	125.3	125.3	125.3	125.3
60°	111.9	111.9	110.4	111.9	111.9
62.5°	97.0	97.0	97.0	97.0	97.0
65°	85.0	85.0	85.0	85.0	85.0
67.5°	73.1	73.1	73.1	73.1	73.1
70°	61.2	61.2	61.2	61.2	61.2
72.5°	52.2	50.7	50.7	50.7	50.7
75°	41.8	41.8	40.3	41.8	41.8
77.5°	31.3	31.3	31.3	31.3	31.3
80°	23.9	23.9	23.9	22.4	23.9
82.5°	14.9	14.9	14.9	14.9	14.9
85°	7.5	7.5	7.5	7.5	7.5
87.5°	1.5	1.5	1.5	3.0	3.0



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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)