

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: P1307358

Luminaire Tested: P3SQAS24R359027D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307358
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R359027D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

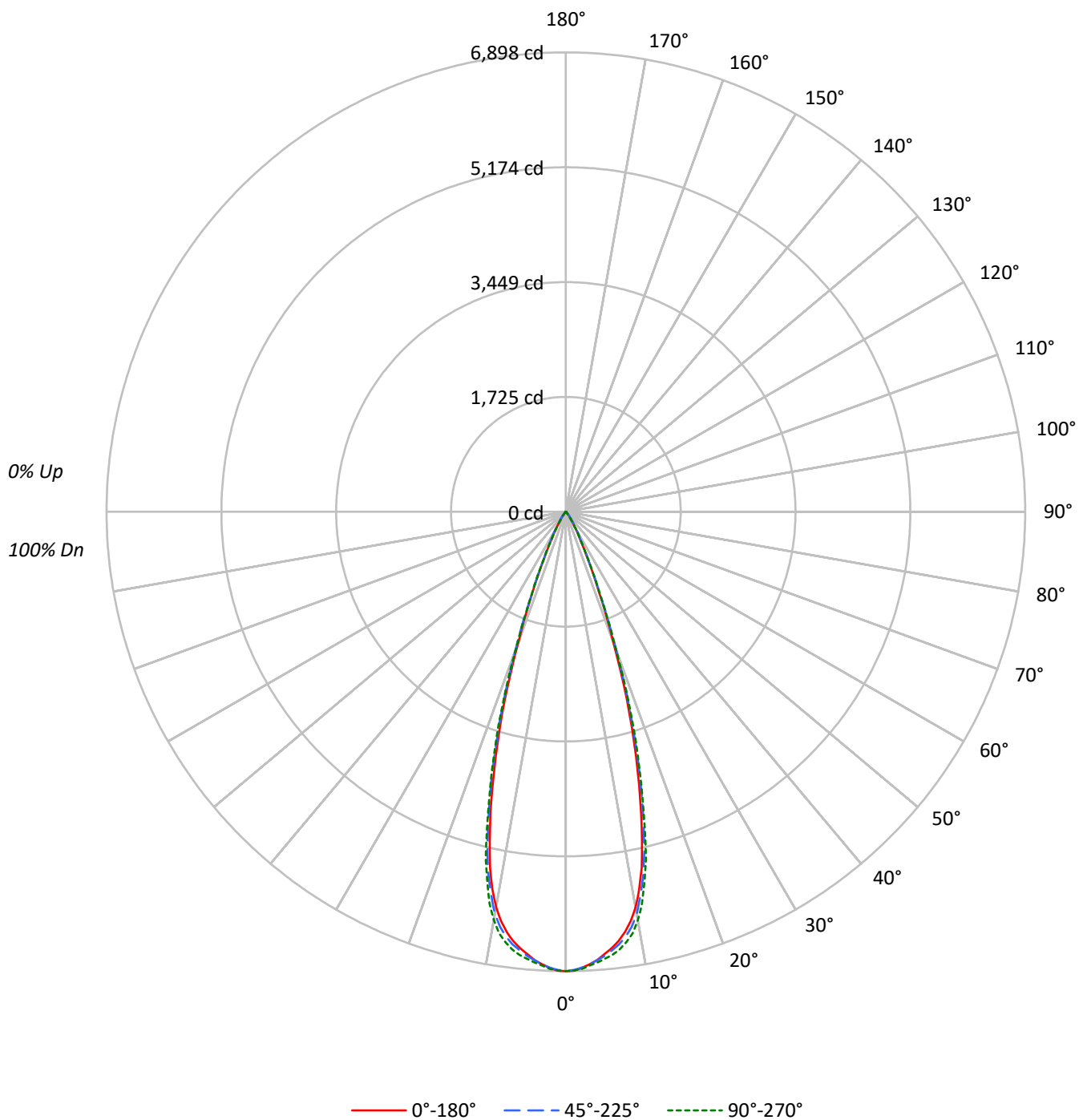
Lumens per Lamp: N/A
Luminaire Lumens: 2316.9 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97	95	94	93
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89		93	90	88		91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82		87	84	82		86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79		84	81	79		83	81	78	77
8	91	84	80	77	90	84	79	77	83	79	76		82	78	76		81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74		79	76	74		79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71		77	74	71		76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1187940	1187940	1187940
5°	1152784	1156847	1164661
10°	1054506	1072833	1089289
15°	756928	784654	792713
20°	380755	402950	403939
25°	144306	148772	149456
30°	58606	67236	57532
35°	21298	32315	20520
40°	8948	13826	8543
45°	2192	5724	2192
50°	1447	2411	1447
55°	1621	1621	1621
60°	1860	1860	1860
65°	1467	1467	1467
70°	906	906	906
75°	1198	1198	1198
80°	1785	1785	1785
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 5724 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	623.6	26.9
10°-20°	1161.8	50.1
20°-30°	417.9	18.0
30°-40°	87.8	3.8
40°-50°	15.1	0.7
50°-60°	4.9	0.2
60°-70°	3.6	0.2
70°-80°	1.9	0.1
80°-90°	0.3	0.0
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°	2203.3	95.1
0°-40°	2291.1	98.9
0°-60°	2311.2	99.8
0°-90°	2316.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2316.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6898	6898	6898	6898	6898	
5°	6668	6681	6692	6737	6737	618
15°	4245	4319	4401	4448	4446	1130
25°	759	770	783	790	786	404
35°	101	119	154	118	98	77
45°	9	14	24	14	9	11
55°	5	5	5	5	5	5
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6897.7	6897.7	6897.7	6897.7	6897.7
1°	6894.1	6894.1	6879.7	6895.9	6890.5
2°	6856.2	6859.8	6850.7	6870.6	6868.8
3°	6803.7	6812.8	6805.5	6834.5	6825.4
4°	6747.7	6754.9	6751.3	6787.4	6783.8
5°	6668.1	6680.8	6691.6	6736.8	6736.8
6°	6586.8	6599.4	6622.9	6671.7	6688.0
7°	6492.7	6509.0	6547.0	6612.1	6622.9
8°	6373.4	6391.5	6443.9	6514.4	6528.9
9°	6225.1	6252.3	6311.9	6396.9	6405.9
10°	6029.9	6051.6	6134.7	6205.3	6228.8
11°	5776.7	5794.8	5869.0	5982.9	5997.3
12°	5469.4	5491.1	5586.9	5661.0	5675.5
13°	5080.6	5122.2	5237.9	5310.3	5350.0
14°	4681.1	4737.1	4820.3	4923.3	4898.0
15°	4245.3	4319.4	4400.8	4447.8	4446.0
17.5°	3176.8	3220.2	3292.5	3319.6	3355.8
20°	2077.5	2133.5	2198.6	2223.9	2204.0
22.5°	1289.1	1303.6	1323.5	1334.3	1330.7
25°	759.4	770.2	782.9	790.1	786.5
27.5°	457.4	482.8	500.8	479.1	466.5
30°	294.7	305.6	338.1	309.2	289.3
32.5°	175.4	200.7	227.8	193.5	168.1
35°	101.3	119.3	153.7	117.5	97.6
37.5°	65.1	74.1	99.4	72.3	63.3
40°	39.8	50.6	61.5	47.0	38.0
42.5°	19.9	30.7	36.2	27.1	19.9
45°	9.0	14.5	23.5	14.5	9.0
47.5°	5.4	7.2	14.5	7.2	5.4
50°	5.4	5.4	9.0	5.4	5.4
52.5°	5.4	5.4	5.4	5.4	5.4
55°	5.4	5.4	5.4	5.4	5.4
57.5°	5.4	5.4	5.4	5.4	5.4
60°	5.4	5.4	5.4	5.4	5.4
62.5°	3.6	3.6	3.6	3.6	3.6
65°	3.6	3.6	3.6	3.6	3.6
67.5°	3.6	3.6	3.6	3.6	3.6
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)