

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: P1308476

Luminaire Tested: P3SQAS24R359030D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308476
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: P3SQAS24R359030D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

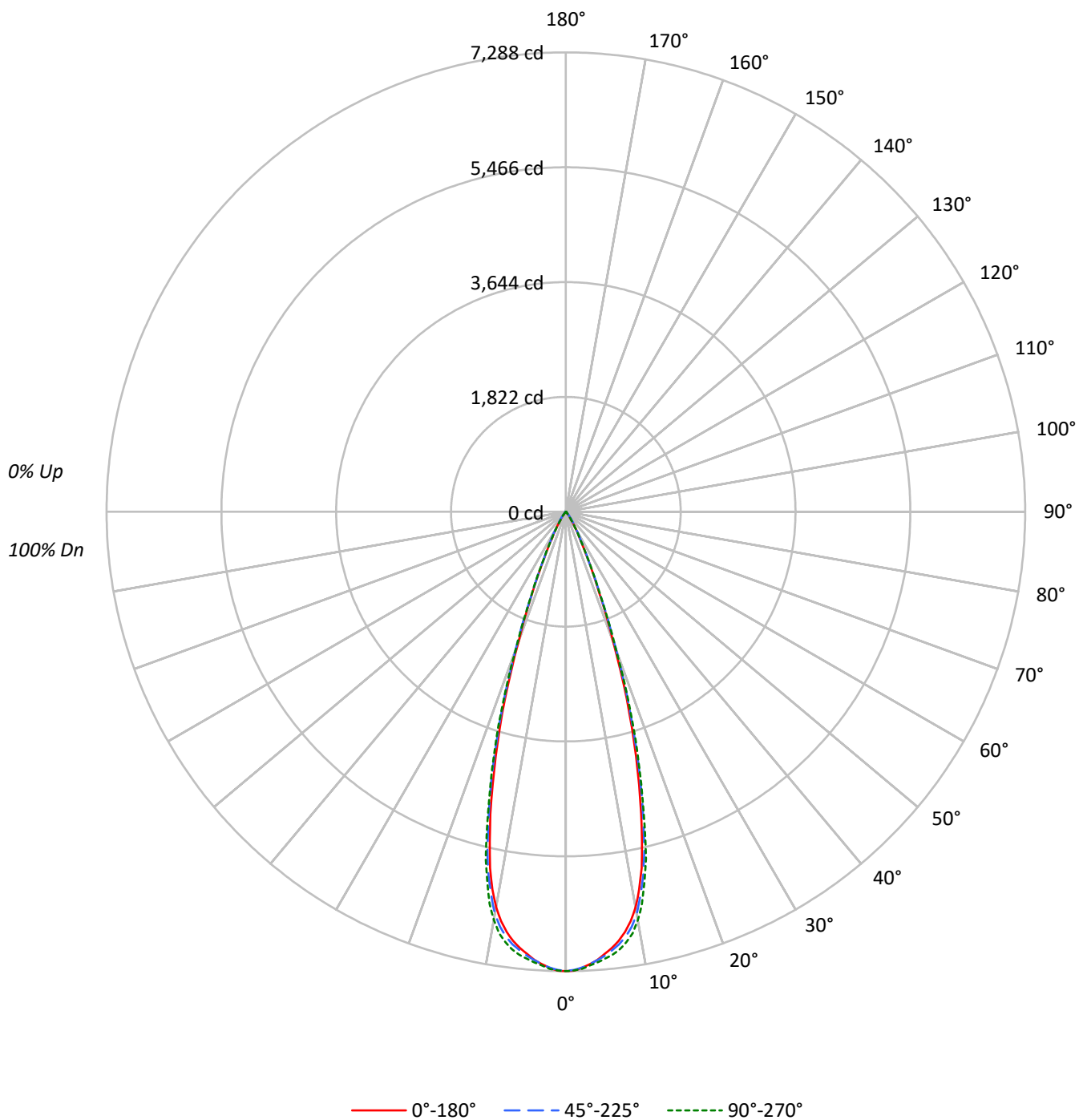
Lumens per Lamp: N/A
Luminaire Lumens: 2447.9 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1255107	1255107	1255107
5°	1217960	1222265	1230512
10°	1114122	1133499	1150864
15°	799720	829014	837537
20°	402271	425731	426775
25°	152458	157190	157912
30°	61927	71035	60773
35°	22496	34144	21697
40°	9442	14591	9015
45°	2338	6040	2338
50°	1527	2572	1527
55°	1711	1711	1711
60°	1963	1963	1963
65°	1549	1549	1549
70°	957	957	957
75°	1264	1264	1264
80°	1884	1884	1884
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6040 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	658.9	26.9
10°-20°	1227.5	50.1
20°-30°	441.5	18.0
30°-40°	92.8	3.8
40°-50°	16.0	0.7
50°-60°	5.2	0.2
60°-70°	3.8	0.2
70°-80°	2.0	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°	2327.9	95.1
0°-40°	2420.7	98.9
0°-60°	2441.8	99.8
0°-90°	2447.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2447.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7288	7288	7288	7288	7288	
5°	7045	7058	7070	7118	7118	653
15°	4485	4564	4650	4699	4697	1194
25°	802	814	827	835	831	427
35°	107	126	162	124	103	81
45°	10	15	25	15	10	11
55°	6	6	6	6	6	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°	7287.7	7287.7	7287.7	7287.7	7287.7
1°	7283.9	7283.9	7268.6	7285.8	7280.1
2°	7243.8	7247.6	7238.1	7259.1	7257.2
3°	7188.4	7197.9	7190.3	7220.9	7211.3
4°	7129.2	7136.8	7133.0	7171.2	7167.4
5°	7045.1	7058.5	7070.0	7117.7	7117.7
6°	6959.2	6972.5	6997.4	7048.9	7066.1
7°	6859.8	6877.0	6917.1	6985.9	6997.4
8°	6733.7	6752.8	6808.2	6882.7	6898.0
9°	6577.1	6605.8	6668.8	6758.6	6768.1
10°	6370.8	6393.7	6481.6	6556.1	6580.9
11°	6103.4	6122.5	6200.8	6321.1	6336.4
12°	5778.6	5801.5	5902.8	5981.1	5996.4
13°	5367.9	5411.8	5534.1	5610.5	5652.5
14°	4945.7	5004.9	5092.8	5201.7	5175.0
15°	4485.3	4563.7	4649.6	4699.3	4697.4
17.5°	3356.4	3402.2	3478.6	3507.3	3545.5
20°	2194.9	2254.1	2322.9	2349.6	2328.6
22.5°	1362.0	1377.3	1398.3	1409.8	1406.0
25°	802.3	813.8	827.2	834.8	831.0
27.5°	483.3	510.0	529.1	506.2	492.9
30°	311.4	322.8	357.2	326.7	305.6
32.5°	185.3	212.0	240.7	204.4	177.7
35°	107.0	126.1	162.4	124.2	103.2
37.5°	68.8	78.3	105.1	76.4	66.9
40°	42.0	53.5	64.9	49.7	40.1
42.5°	21.0	32.5	38.2	28.7	21.0
45°	9.6	15.3	24.8	15.3	9.6
47.5°	5.7	7.6	15.3	7.6	5.7
50°	5.7	5.7	9.6	5.7	5.7
52.5°	5.7	5.7	5.7	5.7	5.7
55°	5.7	5.7	5.7	5.7	5.7
57.5°	5.7	5.7	5.7	5.7	5.7
60°	5.7	5.7	5.7	5.7	5.7
62.5°	3.8	3.8	3.8	3.8	3.8
65°	3.8	3.8	3.8	3.8	3.8
67.5°	3.8	3.8	3.8	3.8	3.8
70°	1.9	1.9	1.9	1.9	1.9
72.5°	1.9	1.9	1.9	1.9	1.9
75°	1.9	1.9	1.9	1.9	1.9
77.5°	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	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)