

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: P1307212

Luminaire Tested: P3SQAS20R359027D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307212
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: P3SQAS20R359027D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

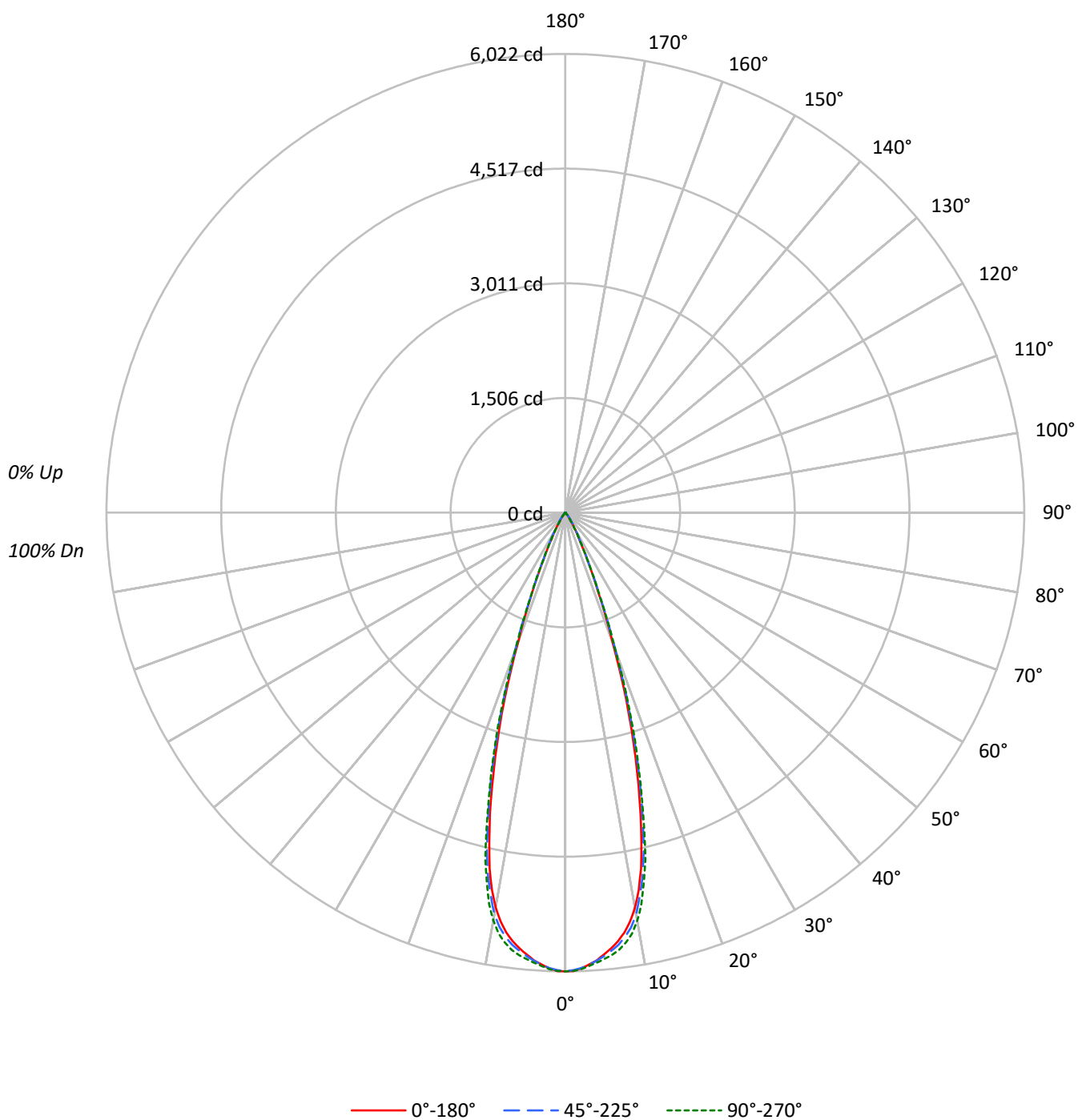
Lumens per Lamp: N/A
Luminaire Lumens: 2023.0 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1037211	1037211	1037211
5°	1006510	1010054	1016883
10°	920705	936707	951064
15°	660879	685092	692135
20°	332443	351816	352695
25°	125988	129883	130491
30°	51168	58705	50233
35°	18586	28215	17913
40°	7801	12073	7464
45°	1924	4993	1924
50°	1259	2117	1259
55°	1411	1411	1411
60°	1619	1619	1619
65°	1304	1304	1304
70°	806	806	806
75°	1065	1065	1065
80°	1587	1587	1587
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4993 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	544.5	26.9
10°-20°	1014.4	50.1
20°-30°	364.8	18.0
30°-40°	76.6	3.8
40°-50°	13.2	0.7
50°-60°	4.3	0.2
60°-70°	3.2	0.2
70°-80°	1.7	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°	1923.8	95.1
0°-40°	2000.4	98.9
0°-60°	2017.9	99.7
0°-90°	2023.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2023.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6022	6022	6022	6022	6022	
5°	5822	5833	5842	5882	5882	540
15°	3707	3771	3842	3883	3882	986
25°	663	672	684	690	687	352
35°	88	104	134	103	85	67
45°	8	13	20	13	8	9
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
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°	6022.5	6022.5	6022.5	6022.5	6022.5
1°	6019.3	6019.3	6006.7	6020.9	6016.2
2°	5986.2	5989.3	5981.5	5998.8	5997.2
3°	5940.4	5948.3	5942.0	5967.2	5959.4
4°	5891.5	5897.8	5894.6	5926.2	5923.0
5°	5822.0	5833.1	5842.5	5882.0	5882.0
6°	5751.0	5762.0	5782.5	5825.2	5839.4
7°	5668.9	5683.1	5716.2	5773.1	5782.5
8°	5564.7	5580.5	5626.3	5687.8	5700.5
9°	5435.2	5458.9	5511.0	5585.2	5593.1
10°	5264.8	5283.7	5356.3	5417.9	5438.4
11°	5043.7	5059.5	5124.3	5223.7	5236.3
12°	4775.4	4794.3	4878.0	4942.7	4955.3
13°	4436.0	4472.3	4573.3	4636.5	4671.2
14°	4087.1	4136.0	4208.6	4298.6	4276.5
15°	3706.6	3771.4	3842.4	3883.4	3881.9
17.5°	2773.7	2811.6	2874.7	2898.4	2929.9
20°	1813.9	1862.8	1919.6	1941.7	1924.4
22.5°	1125.6	1138.2	1155.6	1165.0	1161.9
25°	663.0	672.5	683.5	689.9	686.7
27.5°	399.4	421.5	437.3	418.3	407.3
30°	257.3	266.8	295.2	269.9	252.6
32.5°	153.1	175.2	198.9	168.9	146.8
35°	88.4	104.2	134.2	102.6	85.2
37.5°	56.8	64.7	86.8	63.1	55.3
40°	34.7	44.2	53.7	41.0	33.2
42.5°	17.4	26.8	31.6	23.7	17.4
45°	7.9	12.6	20.5	12.6	7.9
47.5°	4.7	6.3	12.6	6.3	4.7
50°	4.7	4.7	7.9	4.7	4.7
52.5°	4.7	4.7	4.7	4.7	4.7
55°	4.7	4.7	4.7	4.7	4.7
57.5°	4.7	4.7	4.7	4.7	4.7
60°	4.7	4.7	4.7	4.7	4.7
62.5°	3.2	3.2	3.2	3.2	3.2
65°	3.2	3.2	3.2	3.2	3.2
67.5°	3.2	3.2	3.2	3.2	3.2
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	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)