

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: P1312761

Luminaire Tested: P3SQAS20R359727D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312761
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: P3SQAS20R359727D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

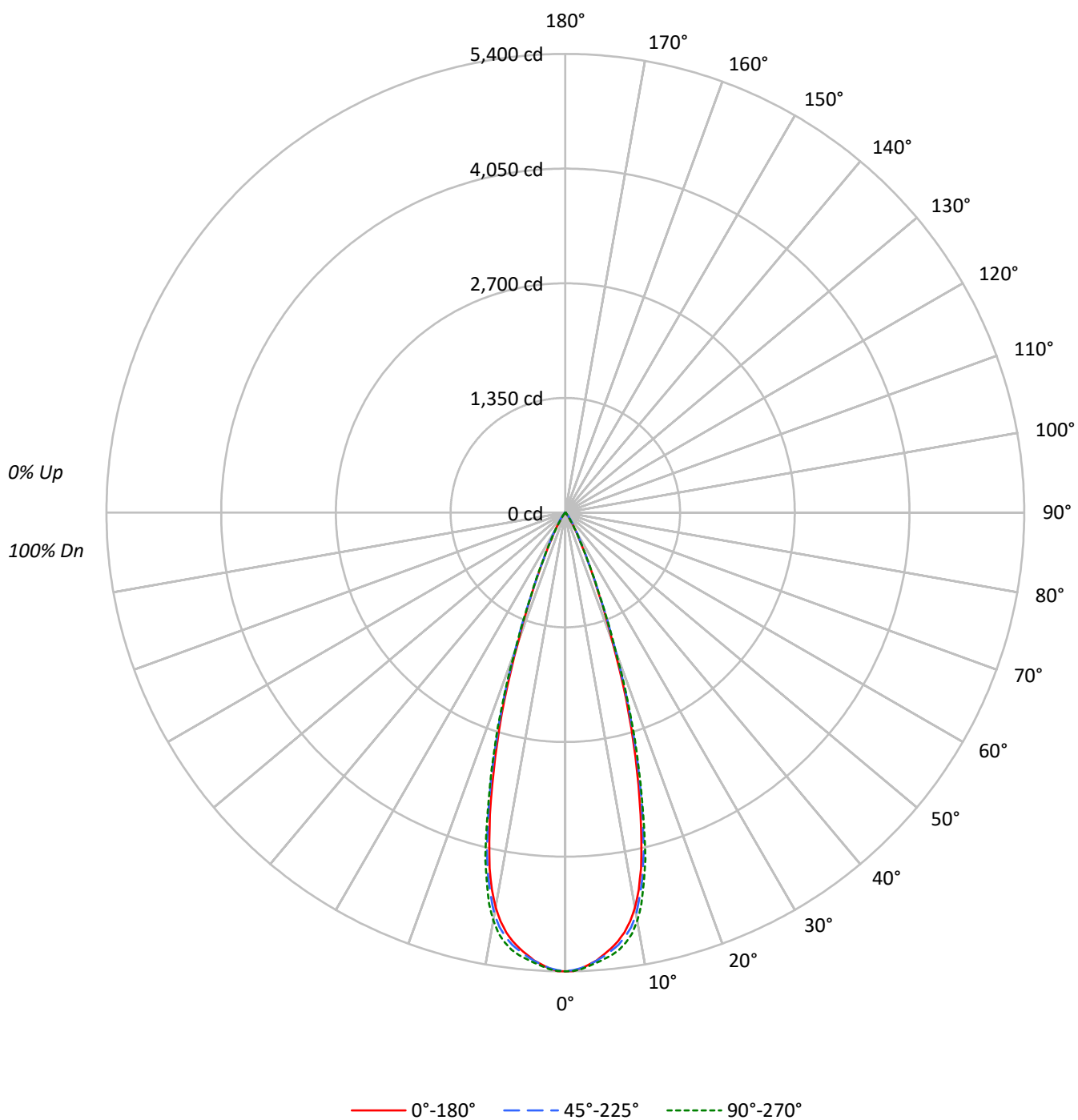
Lumens per Lamp: N/A
Luminaire Lumens: 1813.9 lumens
Efficiency: N/A
Efficacy: 63.0 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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°	930054	930054	930054
5°	902523	905704	911824
10°	825571	839929	852817
15°	592609	614308	620620
20°	298098	315472	316242
25°	112971	116467	117018
30°	45878	52640	45043
35°	16672	25292	16063
40°	6992	10814	6677
45°	1729	4481	1729
50°	1125	1902	1125
55°	1261	1261	1261
60°	1447	1447	1447
65°	1141	1141	1141
70°	705	705	705
75°	932	932	932
80°	1389	1389	1389
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4481 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.2	26.9
10°-20°	909.6	50.1
20°-30°	327.2	18.0
30°-40°	68.7	3.8
40°-50°	11.8	0.7
50°-60°	3.8	0.2
60°-70°	2.8	0.2
70°-80°	1.5	0.1
80°-90°	0.2	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°	1725.0	95.1
0°-40°	1793.7	98.9
0°-60°	1809.4	99.8
0°-90°	1813.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1813.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5400	5400	5400	5400	5400	
5°	5220	5230	5239	5274	5274	484
15°	3324	3382	3445	3482	3481	885
25°	594	603	613	619	616	316
35°	79	93	120	92	76	60
45°	7	11	18	11	7	8
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
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°	5400.3	5400.3	5400.3	5400.3	5400.3
1°	5397.5	5397.5	5386.1	5398.9	5394.6
2°	5367.7	5370.6	5363.5	5379.1	5377.7
3°	5326.7	5333.8	5328.1	5350.8	5343.7
4°	5282.8	5288.5	5285.6	5314.0	5311.1
5°	5220.5	5230.4	5238.9	5274.3	5274.3
6°	5156.8	5166.7	5185.1	5223.4	5236.1
7°	5083.2	5096.0	5125.7	5176.6	5185.1
8°	4989.8	5003.9	5045.0	5100.2	5111.5
9°	4873.7	4895.0	4941.7	5008.2	5015.3
10°	4720.8	4737.8	4802.9	4858.1	4876.6
11°	4522.7	4536.8	4594.9	4684.0	4695.4
12°	4282.0	4299.0	4374.0	4432.1	4443.4
13°	3977.7	4010.2	4100.8	4157.5	4188.6
14°	3664.8	3708.7	3773.8	3854.5	3834.7
15°	3323.7	3381.7	3445.4	3482.2	3480.8
17.5°	2487.1	2521.1	2577.7	2598.9	2627.3
20°	1626.5	1670.3	1721.3	1741.1	1725.5
22.5°	1009.3	1020.6	1036.2	1044.7	1041.8
25°	594.5	603.0	612.9	618.6	615.8
27.5°	358.1	378.0	392.1	375.1	365.2
30°	230.7	239.2	264.7	242.1	226.5
32.5°	137.3	157.1	178.4	151.5	131.6
35°	79.3	93.4	120.3	92.0	76.4
37.5°	51.0	58.0	77.9	56.6	49.5
40°	31.1	39.6	48.1	36.8	29.7
42.5°	15.6	24.1	28.3	21.2	15.6
45°	7.1	11.3	18.4	11.3	7.1
47.5°	4.2	5.7	11.3	5.7	4.2
50°	4.2	4.2	7.1	4.2	4.2
52.5°	4.2	4.2	4.2	4.2	4.2
55°	4.2	4.2	4.2	4.2	4.2
57.5°	4.2	4.2	4.2	4.2	4.2
60°	4.2	4.2	4.2	4.2	4.2
62.5°	2.8	2.8	2.8	2.8	2.8
65°	2.8	2.8	2.8	2.8	2.8
67.5°	2.8	2.8	2.8	2.8	2.8
70°	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	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)