

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: P1307293

Luminaire Tested: P3SQAS24R159027D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R159027D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

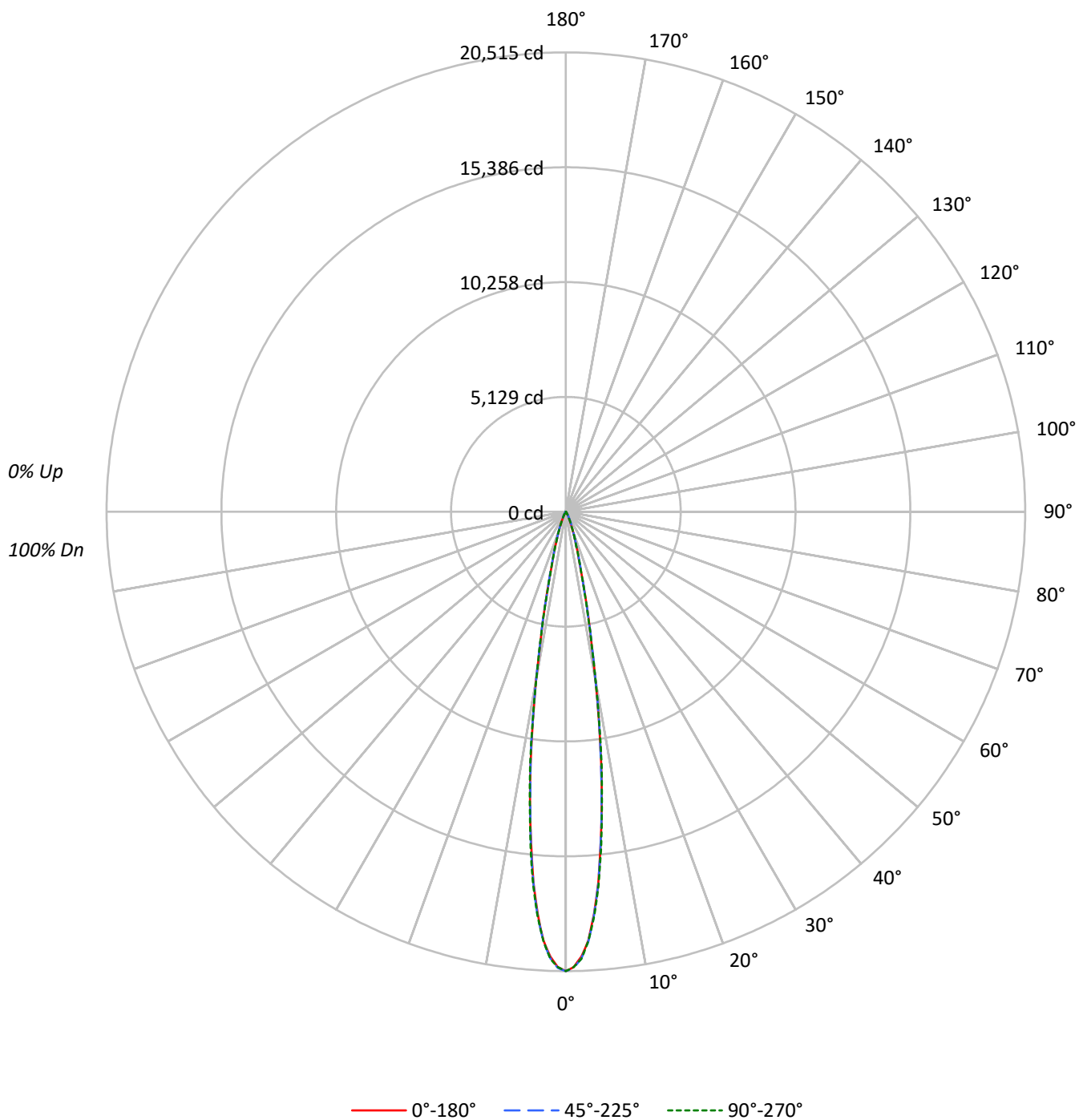
Lumens per Lamp: N/A
Luminaire Lumens: 2303.0 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	116	114	112	111	113	112	110	109	108	107	105		104	103	102		101
2	112	109	107	105	110	108	105	103	105	103	101		102	100	99		99
3	110	106	103	100	108	104	102	99	102	100	98		100	98	96		98
4	107	102	99	97	106	101	98	96	100	97	95		98	96	94		96
5	105	100	96	94	103	99	96	93	97	95	93		96	94	92		95
6	102	97	94	91	101	97	93	91	95	92	90		94	92	90		93
7	100	95	92	89	99	94	91	89	93	91	89		92	90	88		92
8	98	93	90	87	98	93	89	87	92	89	87		91	88	87		90
9	97	91	88	86	96	91	88	85	90	87	85		89	87	85		89
10	95	89	86	84	94	89	86	84	89	86	84		88	85	84		87

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3533079	3533079	3533079
5°	2872894	2882886	2892896
10°	1337950	1339209	1331934
15°	413972	428807	420748
20°	165040	174313	163060
25°	69075	81445	65635
30°	28040	37407	25892
35°	9125	17114	8368
40°	3260	6902	3260
45°	1315	2192	1315
50°	965	1447	965
55°	1081	1081	1081
60°	1240	1240	1240
65°	734	734	734
70°	906	906	906
75°	1198	1198	1198
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2192 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1284.1	55.8
10°-20°	767.8	33.3
20°-30°	195.4	8.5
30°-40°	42.4	1.8
40°-50°	6.8	0.3
50°-60°	3.3	0.1
60°-70°	2.0	0.1
70°-80°	1.2	0.1
80°-90°	0.0	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°	2247.2	97.6
0°-40°	2289.7	99.4
0°-60°	2299.8	99.9
0°-90°	2303.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2303.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20515	20515	20515	20515	20515	
5°	16618	16641	16676	16600	16734	1281
15°	2322	2387	2405	2371	2360	764
25°	364	389	429	380	345	185
35°	43	56	81	54	40	34
45°	5	7	9	7	5	5
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20514.6	20514.6	20514.6	20514.6	20514.6
1°	20335.5	20369.9	20375.3	20369.9	20341.0
2°	19878.0	19979.3	19957.6	19914.2	19975.7
3°	19171.0	19221.7	19214.4	19218.0	19203.6
4°	18021.0	18109.6	18059.0	18096.9	18100.5
5°	16617.8	16641.3	16675.6	16599.7	16733.5
6°	14890.9	15041.0	14909.0	15039.2	15091.6
7°	13135.1	13221.9	13053.7	13144.1	13198.4
8°	11339.5	11187.6	11279.8	11281.6	11460.7
9°	9401.1	9431.8	9509.6	9421.0	9498.7
10°	7650.7	7721.2	7657.9	7627.2	7616.3
11°	6041.4	6120.9	6115.5	6124.5	6064.9
12°	4860.6	4819.0	4846.1	4757.5	4797.3
13°	3782.9	3784.7	3763.0	3726.8	3694.2
14°	2963.7	2945.6	2996.3	2951.1	2909.5
15°	2321.8	2386.9	2405.0	2370.6	2359.8
17.5°	1432.1	1433.9	1459.3	1426.7	1423.1
20°	900.5	922.2	951.1	916.8	889.7
22.5°	569.6	589.5	634.7	591.3	553.3
25°	363.5	388.8	428.6	379.7	345.4
27.5°	227.8	251.3	289.3	244.1	218.8
30°	141.0	157.3	188.1	153.7	130.2
32.5°	81.4	97.6	123.0	92.2	77.8
35°	43.4	56.1	81.4	54.2	39.8
37.5°	25.3	32.5	52.4	28.9	23.5
40°	14.5	19.9	30.7	18.1	14.5
42.5°	9.0	12.7	14.5	10.8	7.2
45°	5.4	7.2	9.0	7.2	5.4
47.5°	3.6	5.4	7.2	3.6	3.6
50°	3.6	3.6	5.4	3.6	3.6
52.5°	3.6	3.6	3.6	3.6	3.6
55°	3.6	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	3.6	3.6	3.6
60°	3.6	3.6	3.6	3.6	3.6
62.5°	1.8	1.8	1.8	1.8	1.8
65°	1.8	1.8	1.8	1.8	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
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°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	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)