

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: P1307300

Luminaire Tested: P3SQAS24R159027D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R159027D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

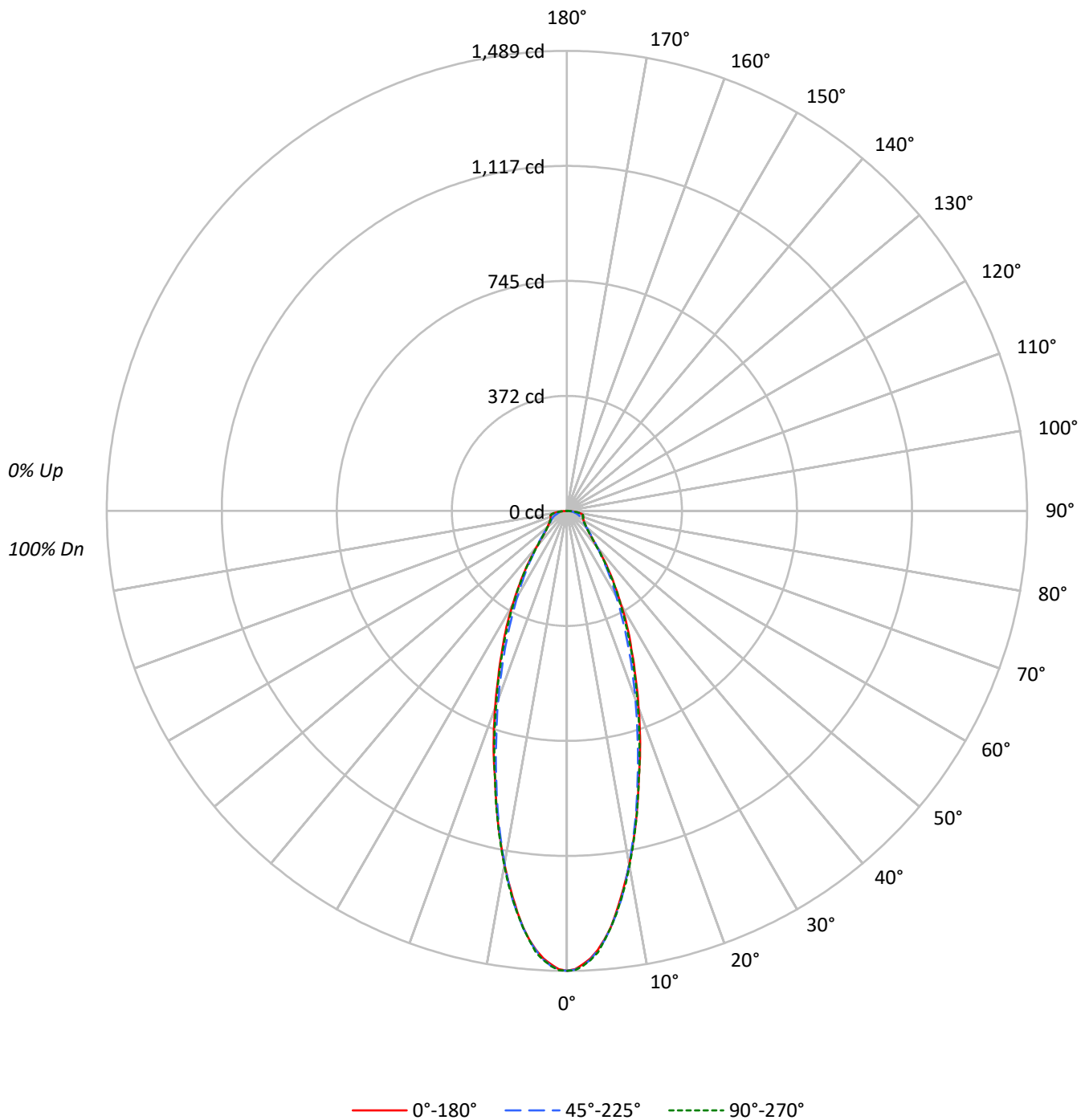
Lumens per Lamp: N/A
Luminaire Lumens: 998.0 lumens
Efficiency: N/A
Efficacy: 34.7 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	69	64		72	68	64		71
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67
7	78	68	61	56	77	67	60	56	66	60	56		64	59	55		63
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	256388	256388	256388
5°	240788	241116	241116
10°	203402	202773	204032
15°	159969	157705	160290
20°	124316	118689	122666
25°	93835	87317	92467
30°	69782	63677	68350
35°	49828	46401	49050
40°	33746	34150	33341
45°	25111	26426	25111
50°	21810	21810	21810
55°	21168	20087	21168
60°	21803	19943	21183
65°	23595	20620	23595
70°	28249	20947	28249
75°	36132	21693	36132
80°	44829	23307	43044
85°	35766	21539	39323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 44829 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.6	12.6
10°-20°	248.2	24.9
20°-30°	219.4	22.0
30°-40°	144.1	14.4
40°-50°	84.2	8.4
50°-60°	62.0	6.2
60°-70°	52.9	5.3
70°-80°	43.6	4.4
80°-90°	18.1	1.8
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°	593.2	59.4
0°-40°	737.3	73.9
0°-60°	883.5	88.5
0°-90°	998.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	998.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1489	1489	1489	1489	1489	
5°	1393	1393	1395	1396	1395	125
15°	897	897	884	895	899	251
25°	494	478	460	472	487	228
35°	237	228	221	226	233	149
45°	103	105	108	105	103	83
55°	70	69	67	69	70	64
65°	58	52	51	52	58	58
75°	54	40	33	42	54	55
85°	18	20	11	18	20	20
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1488.7	1488.7	1488.7	1488.7	1488.7
1°	1483.3	1485.1	1485.1	1486.9	1486.9
2°	1468.8	1472.4	1474.2	1474.2	1474.2
3°	1450.7	1452.5	1454.3	1456.2	1456.2
4°	1425.4	1427.2	1427.2	1430.8	1432.6
5°	1392.8	1392.8	1394.7	1396.5	1394.7
6°	1354.9	1354.9	1356.7	1356.7	1356.7
7°	1309.6	1311.4	1313.3	1315.1	1313.3
8°	1260.8	1262.6	1268.0	1268.0	1266.2
9°	1212.0	1213.8	1213.8	1219.2	1219.2
10°	1163.1	1163.1	1159.5	1163.1	1166.7
12.5°	1031.1	1029.3	1023.8	1029.3	1032.9
15°	897.2	897.2	884.5	895.4	899.0
17.5°	788.7	772.4	759.7	770.6	779.6
20°	678.3	662.1	647.6	658.4	669.3
22.5°	578.8	566.2	548.1	558.9	571.6
25°	493.8	477.5	459.5	472.1	486.6
27.5°	423.3	401.6	383.5	398.0	410.6
30°	350.9	336.5	320.2	331.0	343.7
32.5°	289.4	278.6	265.9	275.0	285.8
35°	237.0	227.9	220.7	226.1	233.3
37.5°	189.9	186.3	182.7	184.5	184.5
40°	150.1	151.9	151.9	151.9	148.3
42.5°	123.0	124.8	128.4	124.8	123.0
45°	103.1	104.9	108.5	104.9	103.1
47.5°	90.4	92.3	94.1	90.4	90.4
50°	81.4	81.4	81.4	81.4	81.4
52.5°	76.0	74.2	74.2	74.2	76.0
55°	70.5	68.7	66.9	68.7	70.5
57.5°	65.1	63.3	61.5	63.3	65.1
60°	63.3	59.7	57.9	59.7	61.5
62.5°	59.7	56.1	54.3	56.1	59.7
65°	57.9	52.5	50.6	52.5	57.9
67.5°	56.1	48.8	45.2	48.8	56.1
70°	56.1	45.2	41.6	47.0	56.1
72.5°	54.3	43.4	36.2	43.4	54.3
75°	54.3	39.8	32.6	41.6	54.3
77.5°	50.6	36.2	27.1	38.0	50.6
80°	45.2	32.6	23.5	34.4	43.4
82.5°	32.6	27.1	18.1	27.1	32.6
85°	18.1	19.9	10.9	18.1	19.9
87.5°	1.8	5.4	3.6	10.9	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)