

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: P1316349

Luminaire Tested: P3SQAS17R159827DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316349
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: P3SQAS17R159827DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

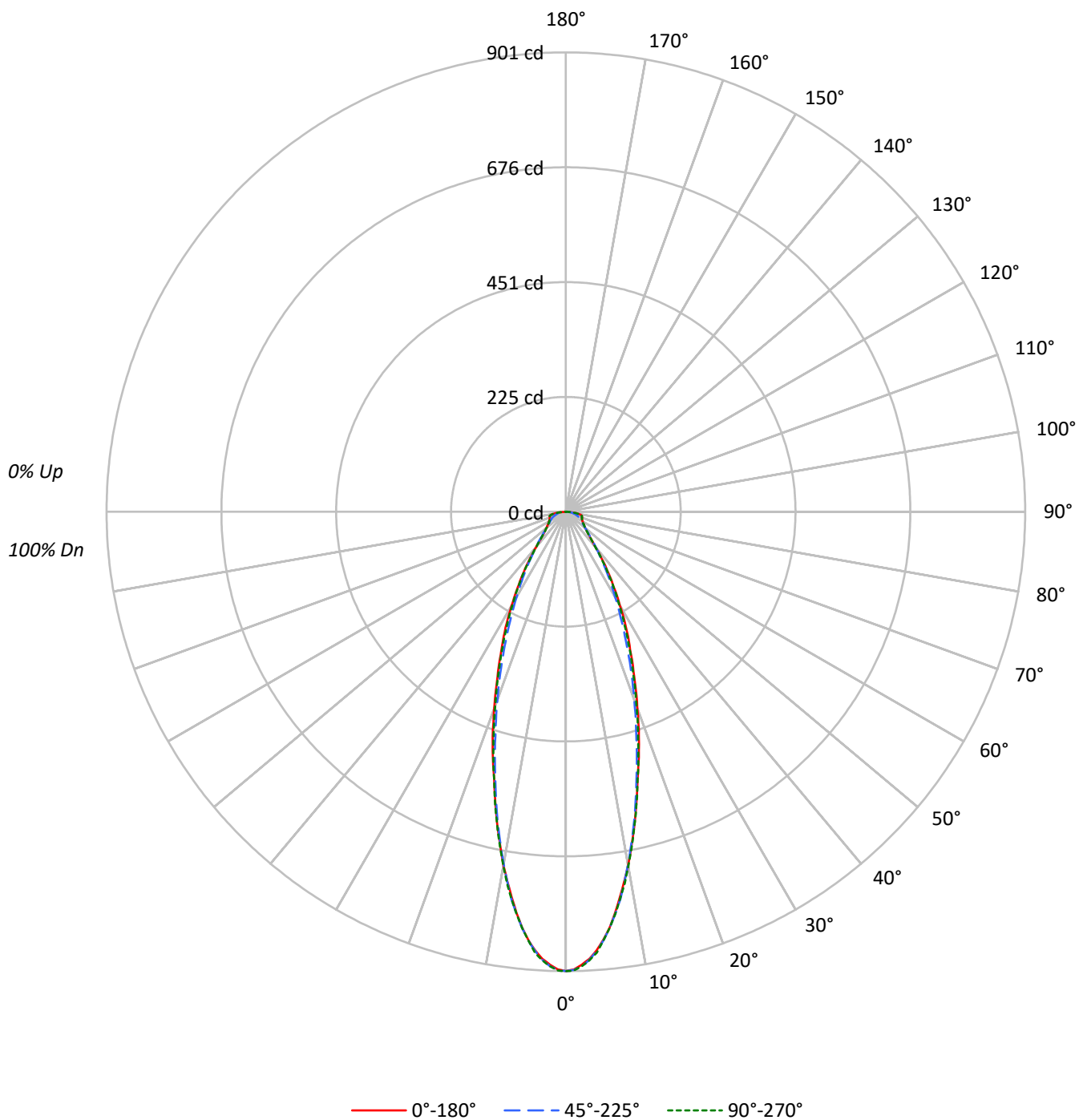
Lumens per Lamp: N/A
Luminaire Lumens: 604.0 lumens
Efficiency: N/A
Efficacy: 29.6 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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		73	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°	155173	155173	155173
5°	145738	145928	145928
10°	123098	122713	123482
15°	96816	95443	97012
20°	75235	71826	74245
25°	56799	52846	55963
30°	42239	38540	41364
35°	30149	28089	29687
40°	20436	20684	20189
45°	15198	16002	15198
50°	13209	13209	13209
55°	12821	12161	12821
60°	13192	12056	12813
65°	14263	12511	14263
70°	17070	12689	17070
75°	21826	13109	21826
80°	27175	14083	26084
85°	21539	13042	23712

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 27175 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	12.6
10°-20°	150.2	24.9
20°-30°	132.8	22.0
30°-40°	87.2	14.4
40°-50°	51.0	8.4
50°-60°	37.5	6.2
60°-70°	32.0	5.3
70°-80°	26.4	4.4
80°-90°	10.9	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°	359.0	59.4
0°-40°	446.2	73.9
0°-60°	534.7	88.5
0°-90°	604.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	604.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	901	901	901	901	901	
5°	843	843	844	845	844	76
15°	543	543	535	542	544	152
25°	299	289	278	286	294	138
35°	143	138	134	137	141	90
45°	62	64	66	64	62	50
55°	43	42	40	42	43	38
65°	35	32	31	32	35	35
75°	33	24	20	25	33	34
85°	11	12	7	11	12	12
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	901.0	901.0	901.0	901.0	901.0
1°	897.7	898.8	898.8	899.9	899.9
2°	888.9	891.1	892.2	892.2	892.2
3°	878.0	879.1	880.2	881.3	881.3
4°	862.7	863.8	863.8	866.0	867.0
5°	843.0	843.0	844.1	845.2	844.1
6°	820.0	820.0	821.1	821.1	821.1
7°	792.6	793.7	794.8	795.9	794.8
8°	763.0	764.1	767.4	767.4	766.3
9°	733.5	734.6	734.6	737.9	737.9
10°	703.9	703.9	701.7	703.9	706.1
12.5°	624.0	622.9	619.6	622.9	625.1
15°	543.0	543.0	535.3	541.9	544.1
17.5°	477.3	467.5	459.8	466.4	471.8
20°	410.5	400.7	391.9	398.5	405.1
22.5°	350.3	342.7	331.7	338.3	345.9
25°	298.9	289.0	278.1	285.7	294.5
27.5°	256.2	243.0	232.1	240.8	248.5
30°	212.4	203.6	193.8	200.3	208.0
32.5°	175.2	168.6	160.9	166.4	173.0
35°	143.4	137.9	133.6	136.8	141.2
37.5°	114.9	112.8	110.6	111.7	111.7
40°	90.9	92.0	92.0	92.0	89.8
42.5°	74.4	75.5	77.7	75.5	74.4
45°	62.4	63.5	65.7	63.5	62.4
47.5°	54.7	55.8	56.9	54.7	54.7
50°	49.3	49.3	49.3	49.3	49.3
52.5°	46.0	44.9	44.9	44.9	46.0
55°	42.7	41.6	40.5	41.6	42.7
57.5°	39.4	38.3	37.2	38.3	39.4
60°	38.3	36.1	35.0	36.1	37.2
62.5°	36.1	33.9	32.8	33.9	36.1
65°	35.0	31.7	30.7	31.7	35.0
67.5°	33.9	29.6	27.4	29.6	33.9
70°	33.9	27.4	25.2	28.5	33.9
72.5°	32.8	26.3	21.9	26.3	32.8
75°	32.8	24.1	19.7	25.2	32.8
77.5°	30.7	21.9	16.4	23.0	30.7
80°	27.4	19.7	14.2	20.8	26.3
82.5°	19.7	16.4	10.9	16.4	19.7
85°	10.9	12.0	6.6	10.9	12.0
87.5°	1.1	3.3	2.2	6.6	5.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)