

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: P1311297

Luminaire Tested: P3SQAS13R209050DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R209050DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

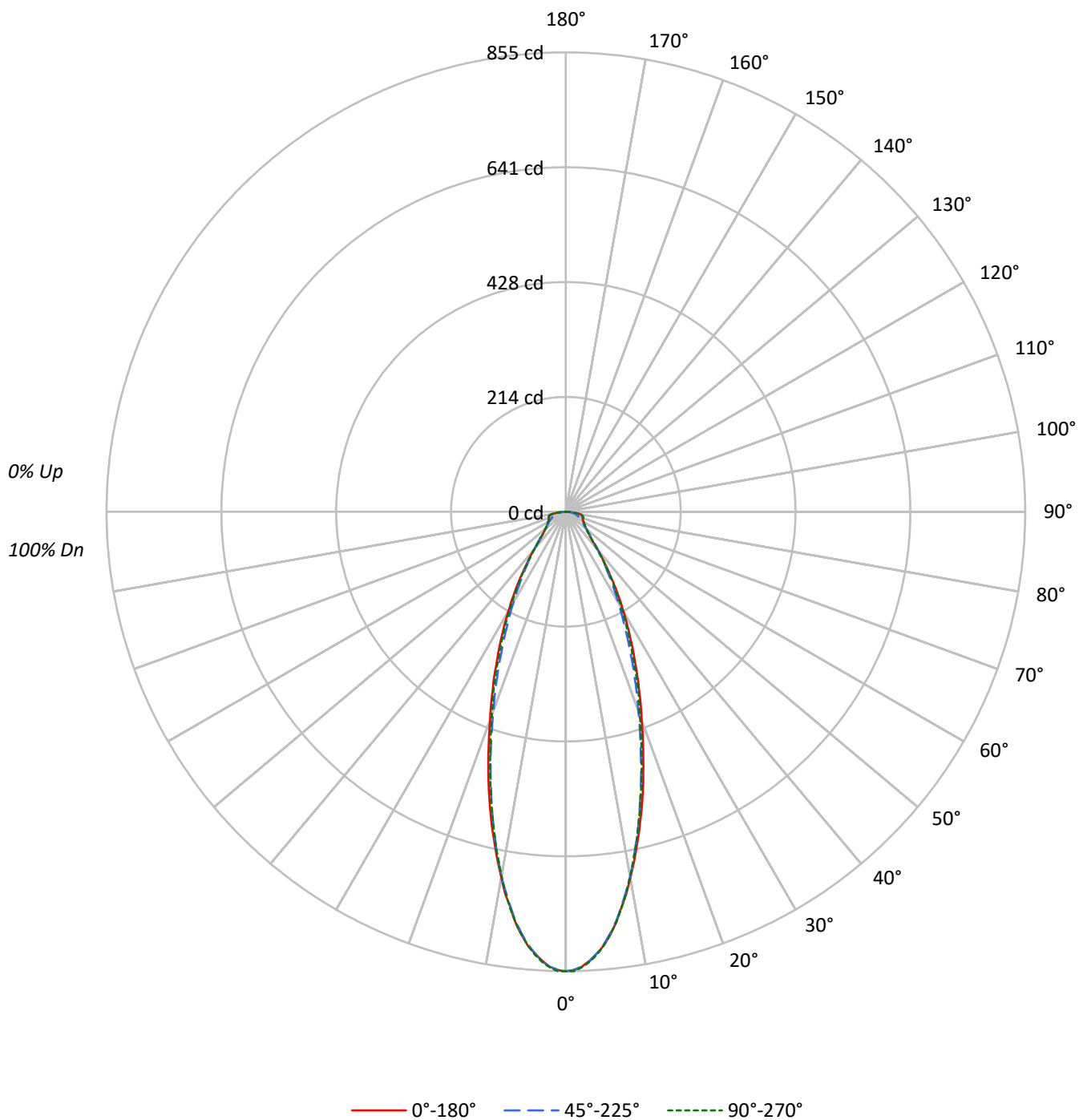
Lumens per Lamp: N/A
Luminaire Lumens: 603.0 lumens
Efficiency: N/A
Efficacy: 41.3 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	85	81	77		83	79	75		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71
6	82	72	65	60	81	71	65	60	69	64	59		68	63	59		67
7	78	67	61	56	77	67	60	56	65	60	55		64	59	55		63
8	74	63	57	52	73	63	57	52	62	56	52		61	55	52		60
9	71	60	53	49	69	59	53	49	58	53	49		57	52	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	147268	147268	147268
5°	140120	139757	140120
10°	120964	120597	120405
15°	98171	95906	96281
20°	75638	72321	73695
25°	57445	53226	55849
30°	42617	38819	41344
35°	30107	28110	29666
40°	20751	20751	20279
45°	15247	16026	15247
50°	13370	13370	13370
55°	12731	12431	12731
60°	13158	12056	13158
65°	14263	12103	14263
70°	17070	12287	17070
75°	21892	13441	21892
80°	27373	13687	26282
85°	20946	12647	23120

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 27373 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.4	12.2
10°-20°	149.8	24.8
20°-30°	133.7	22.2
30°-40°	87.8	14.6
40°-50°	51.0	8.5
50°-60°	37.9	6.3
60°-70°	32.0	5.3
70°-80°	26.4	4.4
80°-90°	11.0	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°	356.9	59.2
0°-40°	444.6	73.7
0°-60°	533.6	88.5
0°-90°	603.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	603.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	855	855	855	855	855	
5°	810	809	808	809	810	73
15°	551	545	538	539	540	152
25°	302	294	280	288	294	139
35°	143	139	134	138	141	91
45°	63	64	66	64	63	50
55°	42	41	41	41	42	39
65°	35	32	30	32	35	35
75°	33	24	20	24	33	34
85°	11	12	6	12	12	12
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	855.1	855.1	855.1	855.1	855.1
1°	852.9	854.0	852.9	854.0	855.1
2°	847.6	848.7	847.6	847.6	848.7
3°	837.0	838.1	838.1	838.1	839.1
4°	824.3	825.3	824.3	825.3	826.4
5°	810.5	809.4	808.4	809.4	810.5
6°	791.4	790.3	789.3	790.3	791.4
7°	770.2	769.1	768.1	768.1	769.1
8°	743.7	744.7	741.5	743.7	744.7
9°	720.3	718.2	716.1	716.1	718.2
10°	691.7	689.6	689.6	688.5	688.5
12.5°	621.7	617.4	614.2	614.2	615.3
15°	550.6	545.3	537.9	538.9	540.0
17.5°	479.5	473.1	463.6	465.7	467.8
20°	412.7	406.3	394.6	398.9	402.1
22.5°	355.4	345.8	335.2	338.4	349.0
25°	302.3	293.9	280.1	287.5	293.9
27.5°	255.7	246.1	234.4	241.9	248.2
30°	214.3	205.8	195.2	201.6	207.9
32.5°	177.2	169.7	162.3	166.6	171.9
35°	143.2	139.0	133.7	137.9	141.1
37.5°	115.6	113.5	111.4	113.5	112.5
40°	92.3	93.4	92.3	92.3	90.2
42.5°	73.2	76.4	77.4	75.3	73.2
45°	62.6	63.7	65.8	63.7	62.6
47.5°	55.2	55.2	56.2	55.2	54.1
50°	49.9	49.9	49.9	49.9	49.9
52.5°	45.6	45.6	44.6	45.6	45.6
55°	42.4	41.4	41.4	41.4	42.4
57.5°	40.3	39.3	38.2	39.3	40.3
60°	38.2	36.1	35.0	36.1	38.2
62.5°	36.1	33.9	32.9	33.9	36.1
65°	35.0	31.8	29.7	31.8	35.0
67.5°	33.9	29.7	27.6	29.7	35.0
70°	33.9	27.6	24.4	28.6	33.9
72.5°	32.9	26.5	22.3	26.5	32.9
75°	32.9	24.4	20.2	24.4	32.9
77.5°	30.8	22.3	17.0	22.3	30.8
80°	27.6	20.2	13.8	20.2	26.5
82.5°	20.2	17.0	10.6	17.0	20.2
85°	10.6	11.7	6.4	11.7	11.7
87.5°	1.1	4.2	2.1	6.4	5.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)