

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: P1307984

Luminaire Tested: P3SQAS13R209030DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307984
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: P3SQAS13R209030DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

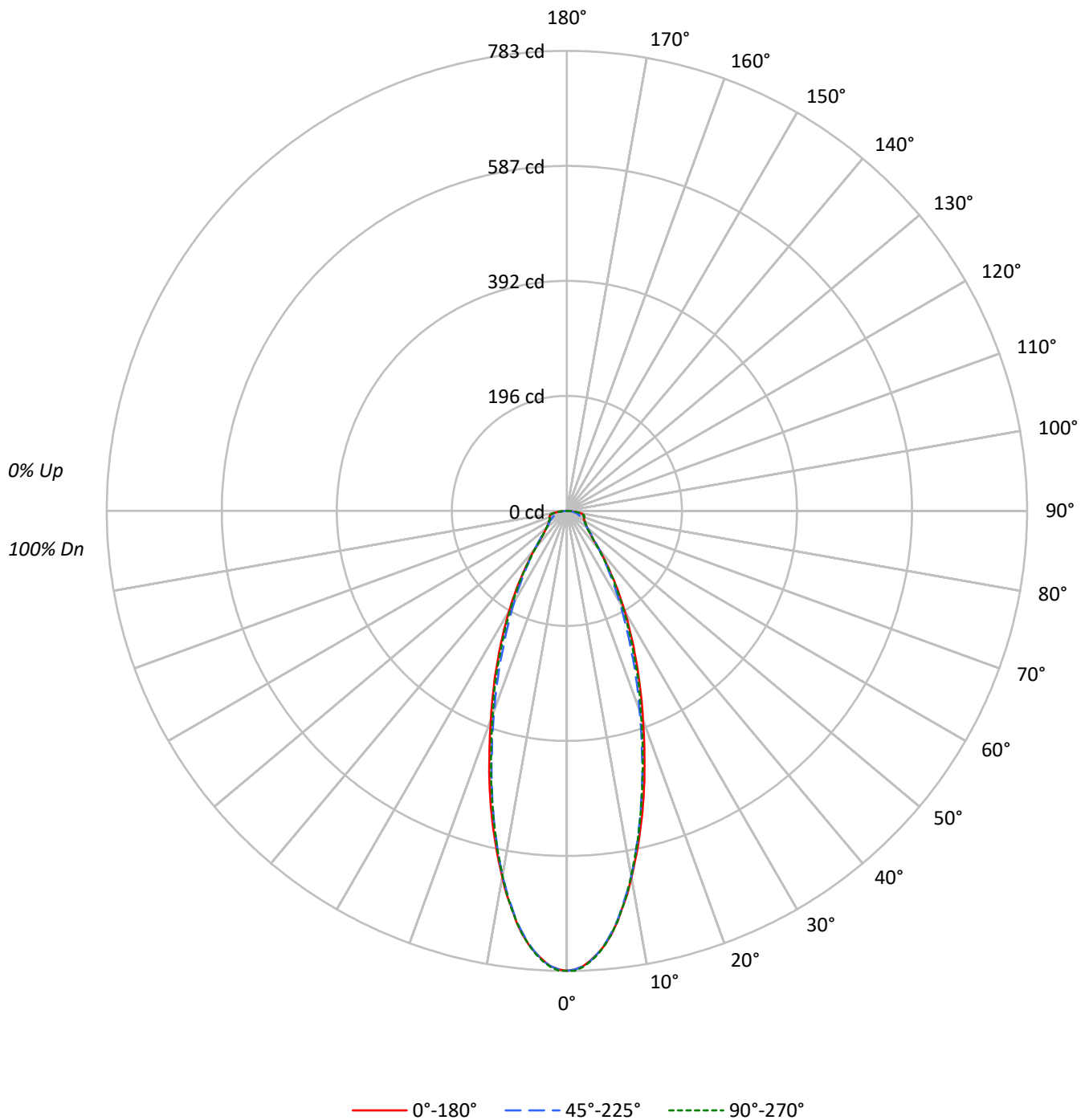
Lumens per Lamp: N/A
Luminaire Lumens: 552.0 lumens
Efficiency: N/A
Efficacy: 37.8 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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		58	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°	134799	134799	134799
5°	128260	127932	128260
10°	110734	110384	110227
15°	89862	87794	88133
20°	69241	66217	67464
25°	52599	48723	51117
30°	39017	35537	37844
35°	27563	25734	27164
40°	18997	18997	18548
45°	13956	14662	13956
50°	12218	12218	12218
55°	11650	11380	11650
60°	12056	11022	12056
65°	13040	11084	13040
70°	15660	11229	15660
75°	20029	12310	20029
80°	24993	12497	24101
85°	19168	11461	21144

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 24993 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.2	12.2
10°-20°	137.1	24.8
20°-30°	122.4	22.2
30°-40°	80.3	14.6
40°-50°	46.7	8.5
50°-60°	34.7	6.3
60°-70°	29.3	5.3
70°-80°	24.2	4.4
80°-90°	10.1	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°	326.7	59.2
0°-40°	407.0	73.7
0°-60°	488.4	88.5
0°-90°	552.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	552.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	783	783	783	783	783	
5°	742	741	740	741	742	67
15°	504	499	492	493	494	139
25°	277	269	256	263	269	127
35°	131	127	122	126	129	83
45°	57	58	60	58	57	46
55°	39	38	38	38	39	35
65°	32	29	27	29	32	32
75°	30	22	18	22	30	31
85°	10	11	6	11	11	11
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	782.7	782.7	782.7	782.7	782.7
1°	780.8	781.8	780.8	781.8	782.7
2°	775.9	776.9	775.9	775.9	776.9
3°	766.2	767.2	767.2	767.2	768.2
4°	754.6	755.5	754.6	755.5	756.5
5°	741.9	741.0	740.0	741.0	741.9
6°	724.5	723.5	722.5	723.5	724.5
7°	705.0	704.1	703.1	703.1	704.1
8°	680.8	681.7	678.8	680.8	681.7
9°	659.4	657.5	655.5	655.5	657.5
10°	633.2	631.2	631.2	630.3	630.3
12.5°	569.1	565.2	562.3	562.3	563.3
15°	504.0	499.2	492.4	493.3	494.3
17.5°	439.0	433.1	424.4	426.3	428.3
20°	377.8	371.9	361.3	365.1	368.1
22.5°	325.3	316.6	306.9	309.8	319.5
25°	276.8	269.0	256.4	263.2	269.0
27.5°	234.0	225.3	214.6	221.4	227.2
30°	196.2	188.4	178.7	184.5	190.3
32.5°	162.2	155.4	148.6	152.5	157.3
35°	131.1	127.2	122.4	126.2	129.2
37.5°	105.9	103.9	102.0	103.9	102.9
40°	84.5	85.5	84.5	84.5	82.5
42.5°	67.0	69.9	70.9	69.0	67.0
45°	57.3	58.3	60.2	58.3	57.3
47.5°	50.5	50.5	51.5	50.5	49.5
50°	45.6	45.6	45.6	45.6	45.6
52.5°	41.8	41.8	40.8	41.8	41.8
55°	38.8	37.9	37.9	37.9	38.8
57.5°	36.9	35.9	35.0	35.9	36.9
60°	35.0	33.0	32.0	33.0	35.0
62.5°	33.0	31.1	30.1	31.1	33.0
65°	32.0	29.1	27.2	29.1	32.0
67.5°	31.1	27.2	25.2	27.2	32.0
70°	31.1	25.2	22.3	26.2	31.1
72.5°	30.1	24.3	20.4	24.3	30.1
75°	30.1	22.3	18.5	22.3	30.1
77.5°	28.2	20.4	15.5	20.4	28.2
80°	25.2	18.5	12.6	18.5	24.3
82.5°	18.5	15.5	9.7	15.5	18.5
85°	9.7	10.7	5.8	10.7	10.7
87.5°	1.0	3.9	1.9	5.8	4.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)