

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: P1313057

Luminaire Tested: P3SQAS05R209730DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313057
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R209730DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

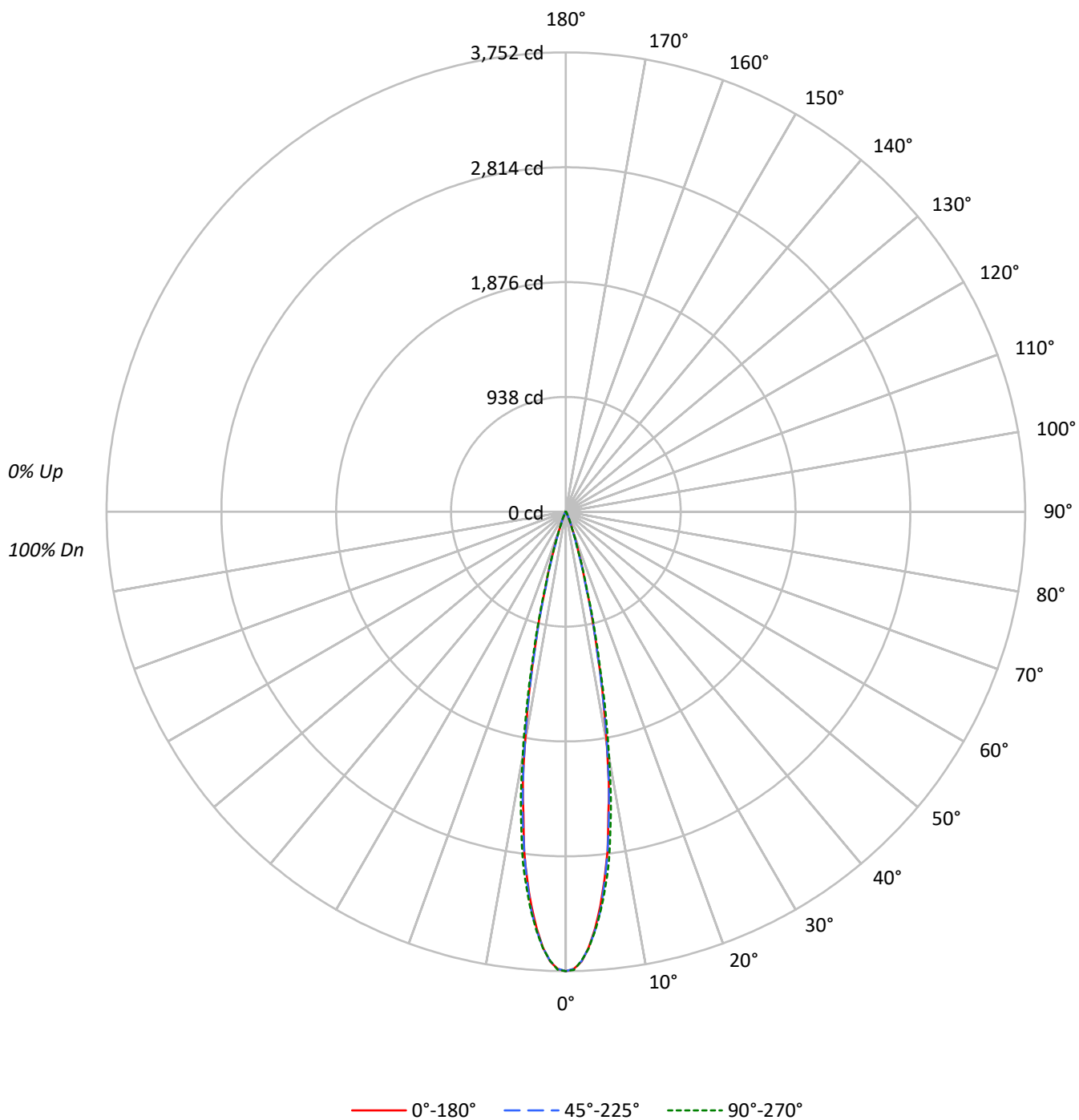
Lumens per Lamp: N/A
Luminaire Lumens: 504.0 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	646248	646248	646248
5°	558283	563487	565579
10°	336083	339214	356107
15°	116250	113522	122562
20°	30534	28719	28811
25°	6651	8019	9121
30°	2864	2864	2943
35°	1598	1409	1514
40°	697	809	899
45°	219	317	317
50°	107	107	107
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 317 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.4	53.3
10°-20°	204.3	40.5
20°-30°	25.3	5.0
30°-40°	4.8	0.9
40°-50°	1.1	0.2
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	498.0	98.8
0°-40°	502.8	99.8
0°-60°	504.0	100.0
0°-90°	504.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	504.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3752	3752	3752	3752	3752	
5°	3229	3227	3259	3257	3272	266
15°	652	629	637	675	687	204
25°	35	40	42	44	48	24
35°	8	8	7	7	7	5
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3752.4	3752.4	3752.4	3752.4	3752.4
1°	3734.9	3730.4	3734.0	3726.4	3742.1
2°	3675.2	3670.7	3670.7	3666.2	3668.5
3°	3563.8	3571.0	3566.5	3557.1	3569.2
4°	3412.1	3420.2	3427.3	3427.8	3429.6
5°	3229.3	3227.1	3259.4	3257.2	3271.5
6°	3021.0	3018.3	3032.2	3055.6	3084.3
7°	2792.0	2759.2	2796.5	2843.6	2882.2
8°	2495.6	2504.2	2529.8	2585.4	2616.4
9°	2244.2	2194.3	2248.7	2315.1	2348.8
10°	1921.8	1881.4	1939.7	2009.8	2036.3
12.5°	1209.6	1174.6	1193.5	1267.1	1278.8
15°	652.0	628.6	636.7	674.9	687.4
17.5°	332.7	311.6	307.1	331.4	334.1
20°	166.6	161.6	156.7	159.0	157.2
22.5°	77.2	84.0	83.1	78.6	84.0
25°	35.0	40.0	42.2	44.0	48.0
27.5°	21.6	20.7	23.8	25.6	26.0
30°	14.4	13.9	14.4	14.8	14.8
32.5°	10.3	9.9	9.4	9.4	9.9
35°	7.6	7.6	6.7	7.2	7.2
37.5°	5.4	5.4	4.9	5.4	5.4
40°	3.1	3.6	3.6	3.6	4.0
42.5°	1.8	2.2	2.2	2.2	2.2
45°	0.9	1.3	1.3	1.3	1.3
47.5°	0.4	0.4	0.4	0.9	0.9
50°	0.4	0.4	0.4	0.4	0.4
52.5°	0.4	0.0	0.0	0.0	0.4
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)