

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: P1309890

Luminaire Tested: P3SQAS05R209040DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309890
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: P3SQAS05R209040DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

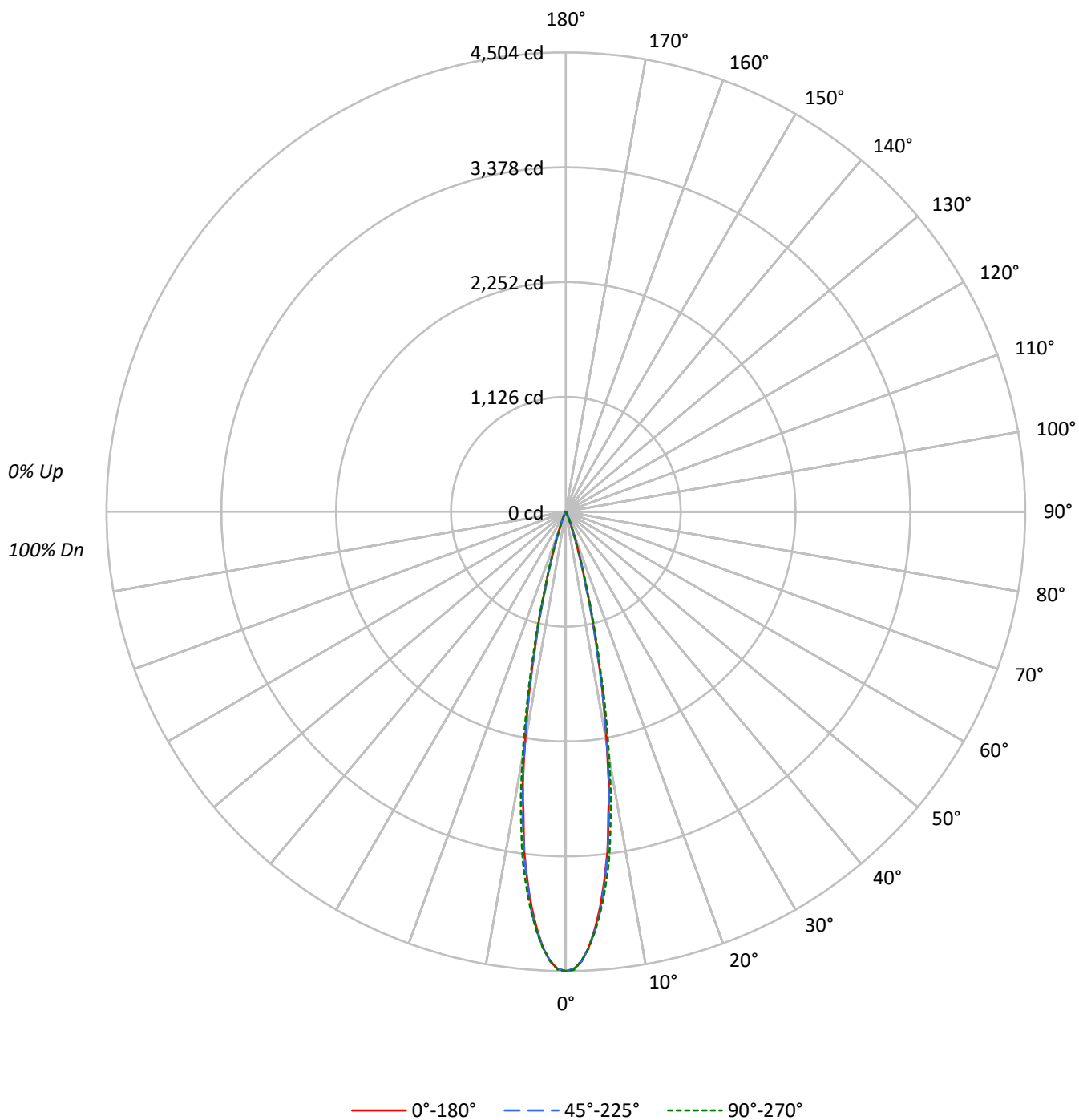
Lumens per Lamp: N/A
Luminaire Lumens: 605.0 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	775760	775760	775760
5°	670171	676412	678919
10°	403429	407207	427475
15°	139536	136273	147132
20°	36655	34474	34566
25°	7981	9634	10965
30°	3420	3420	3540
35°	1934	1703	1808
40°	854	967	1102
45°	268	390	390
50°	134	134	134
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: 390 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.2	53.3
10°-20°	245.3	40.5
20°-30°	30.3	5.0
30°-40°	5.7	0.9
40°-50°	1.4	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°	597.8	98.8
0°-40°	603.5	99.8
0°-60°	605.0	100.0
0°-90°	605.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	605.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4504	4504	4504	4504	4504	
5°	3876	3874	3913	3910	3927	320
15°	783	755	764	810	825	245
25°	42	48	51	53	58	29
35°	9	9	8	9	9	6
45°	1	2	2	2	2	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4504.4	4504.4	4504.4	4504.4	4504.4
1°	4483.4	4478.0	4482.3	4473.1	4492.0
2°	4411.7	4406.3	4406.3	4400.9	4403.6
3°	4278.0	4286.6	4281.3	4269.9	4284.5
4°	4095.8	4105.5	4114.2	4114.7	4116.9
5°	3876.5	3873.8	3912.6	3909.9	3927.1
6°	3626.4	3623.1	3639.9	3667.9	3702.4
7°	3351.5	3312.1	3356.9	3413.5	3459.8
8°	2995.7	3006.0	3036.7	3103.5	3140.7
9°	2693.9	2634.1	2699.3	2779.1	2819.5
10°	2306.9	2258.4	2328.5	2412.6	2444.4
12.5°	1452.1	1410.0	1432.7	1521.1	1535.1
15°	782.6	754.6	764.3	810.1	825.2
17.5°	399.4	374.1	368.7	397.8	401.0
20°	200.0	194.0	188.1	190.8	188.6
22.5°	92.7	100.8	99.7	94.3	100.8
25°	42.0	48.0	50.7	52.8	57.7
27.5°	25.9	24.8	28.6	30.7	31.3
30°	17.2	16.7	17.2	17.8	17.8
32.5°	12.4	11.9	11.3	11.3	11.9
35°	9.2	9.2	8.1	8.6	8.6
37.5°	6.5	6.5	5.9	6.5	6.5
40°	3.8	4.3	4.3	4.3	4.9
42.5°	2.2	2.7	2.7	2.7	2.7
45°	1.1	1.6	1.6	1.6	1.6
47.5°	0.5	0.5	0.5	1.1	1.1
50°	0.5	0.5	0.5	0.5	0.5
52.5°	0.5	0.0	0.0	0.0	0.5
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)