

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: P1309551

Luminaire Tested: P3SQAS24R209035D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309551
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: P3SQAS24R209035D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

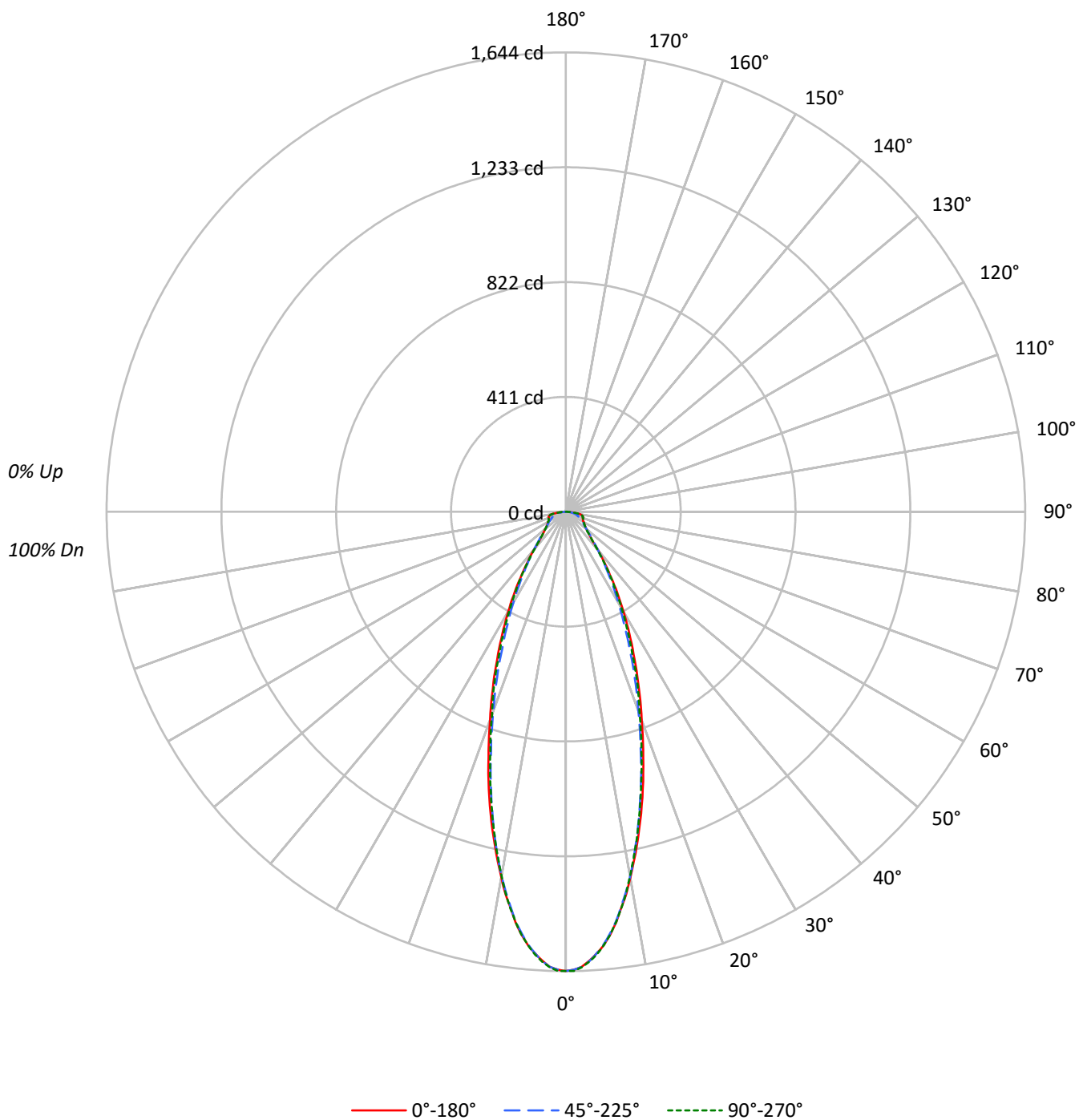
Lumens per Lamp: N/A
Luminaire Lumens: 1158.9 lumens
Efficiency: N/A
Efficacy: 40.2 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	64		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°	283048	283048	283048
5°	269313	268604	269313
10°	232485	231785	231418
15°	188693	184324	185055
20°	145374	139014	141635
25°	110424	102291	107327
30°	81913	74614	79467
35°	57880	54012	57018
40°	39883	39883	38961
45°	29300	30786	29300
50°	25668	25668	25668
55°	24501	23871	24501
60°	25282	23181	25282
65°	27426	23269	27426
70°	32831	23616	32831
75°	42054	25752	42054
80°	52565	26282	50581
85°	40311	24108	44263

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 52565 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.0	12.2
10°-20°	287.9	24.8
20°-30°	257.1	22.2
30°-40°	168.7	14.6
40°-50°	98.1	8.5
50°-60°	72.8	6.3
60°-70°	61.5	5.3
70°-80°	50.8	4.4
80°-90°	21.2	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°	686.0	59.2
0°-40°	854.6	73.7
0°-60°	1025.5	88.5
0°-90°	1158.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1158.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1644	1644	1644	1644	1644	
5°	1558	1556	1554	1556	1558	141
15°	1058	1048	1034	1036	1038	292
25°	581	565	538	553	565	268
35°	275	267	257	265	271	175
45°	120	122	126	122	120	97
55°	82	80	80	80	82	74
65°	67	61	57	61	67	67
75°	63	47	39	47	63	65
85°	20	22	12	22	22	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1643.5	1643.5	1643.5	1643.5	1643.5
1°	1639.4	1641.4	1639.4	1641.4	1643.5
2°	1629.2	1631.2	1629.2	1629.2	1631.2
3°	1608.8	1610.8	1610.8	1610.8	1612.9
4°	1584.3	1586.4	1584.3	1586.4	1588.4
5°	1557.8	1555.8	1553.7	1555.8	1557.8
6°	1521.1	1519.1	1517.0	1519.1	1521.1
7°	1480.3	1478.3	1476.3	1476.3	1478.3
8°	1429.4	1431.4	1425.3	1429.4	1431.4
9°	1384.5	1380.4	1376.3	1376.3	1380.4
10°	1329.4	1325.4	1325.4	1323.3	1323.3
12.5°	1194.9	1186.7	1180.6	1180.6	1182.6
15°	1058.3	1048.1	1033.8	1035.8	1037.9
17.5°	921.6	909.4	891.1	895.1	899.2
20°	793.2	780.9	758.5	766.7	772.8
22.5°	683.1	664.7	644.3	650.4	670.8
25°	581.1	564.8	538.3	552.6	564.8
27.5°	491.4	473.1	450.6	464.9	477.1
30°	411.9	395.6	375.2	387.4	399.6
32.5°	340.5	326.2	312.0	320.1	330.3
35°	275.3	267.1	256.9	265.1	271.2
37.5°	222.3	218.2	214.1	218.2	216.1
40°	177.4	179.4	177.4	177.4	173.3
42.5°	140.7	146.8	148.8	144.8	140.7
45°	120.3	122.3	126.4	122.3	120.3
47.5°	106.0	106.0	108.1	106.0	104.0
50°	95.8	95.8	95.8	95.8	95.8
52.5°	87.7	87.7	85.6	87.7	87.7
55°	81.6	79.5	79.5	79.5	81.6
57.5°	77.5	75.4	73.4	75.4	77.5
60°	73.4	69.3	67.3	69.3	73.4
62.5°	69.3	65.2	63.2	65.2	69.3
65°	67.3	61.2	57.1	61.2	67.3
67.5°	65.2	57.1	53.0	57.1	67.3
70°	65.2	53.0	46.9	55.1	65.2
72.5°	63.2	51.0	42.8	51.0	63.2
75°	63.2	46.9	38.7	46.9	63.2
77.5°	59.1	42.8	32.6	42.8	59.1
80°	53.0	38.7	26.5	38.7	51.0
82.5°	38.7	32.6	20.4	32.6	38.7
85°	20.4	22.4	12.2	22.4	22.4
87.5°	2.0	8.2	4.1	12.2	10.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)