

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: P1310557

Luminaire Tested: P3SQAS20R309040D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310557
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309040D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

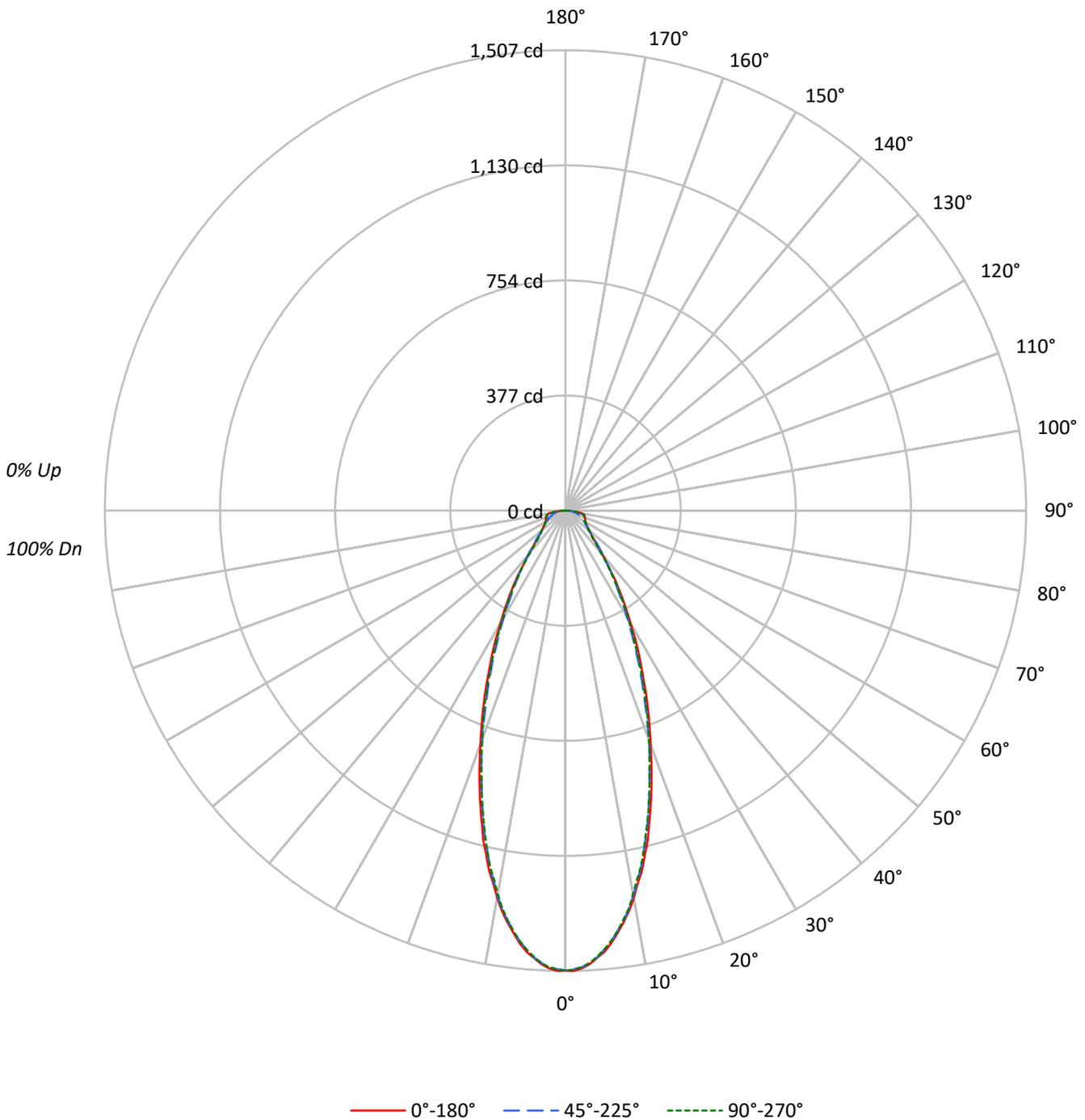
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1187.0 lumens
Efficiency: N/A
Efficacy: 41.2 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
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		0	
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	100	100	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89	89	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79	79	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72	72	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66	66	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61	61	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56	56	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	52	52	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49	49	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46	46	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	43	43	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	259230	259230	259230
5°	250798	249536	249536
10°	225087	223811	222866
15°	188639	185733	185412
20°	148930	145924	145924
25°	113997	109512	111584
30°	84597	80262	82072
35°	61160	58469	58869
40°	42086	42918	40872
45°	31444	32759	30104
50°	27275	26793	26793
55°	25642	24561	25102
60°	26316	24421	25661
65°	28893	24451	28159
70°	33889	24724	32932
75°	43518	26617	42321
80°	54053	28861	50482
85°	43078	28652	39521

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 54053 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.7	11.2
10°-20°	288.6	24.3
20°-30°	268.9	22.7
30°-40°	178.4	15.0
40°-50°	103.9	8.8
50°-60°	75.6	6.4
60°-70°	63.9	5.4
70°-80°	52.9	4.5
80°-90°	22.0	1.9
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°	690.2	58.2
0°-40°	868.7	73.2
0°-60°	1048.2	88.3
0°-90°	1187.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1187.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1505	1505	1505	1505	1505	
5°	1451	1449	1443	1443	1443	133
15°	1058	1047	1042	1040	1040	292
25°	600	589	576	578	587	277
35°	291	285	278	280	280	183
45°	129	131	134	127	124	103
55°	85	84	82	84	84	78
65°	71	64	60	64	69	71
75°	65	49	40	49	64	67
85°	22	26	14	24	20	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1505.2	1505.2	1505.2	1505.2	1505.2
1°	1507.1	1505.2	1501.6	1503.4	1503.4
2°	1499.8	1498.0	1496.1	1496.1	1496.1
3°	1487.1	1485.2	1483.4	1483.4	1483.4
4°	1468.9	1467.1	1467.1	1465.2	1465.2
5°	1450.7	1448.9	1443.4	1443.4	1443.4
6°	1425.3	1423.4	1419.8	1418.0	1418.0
7°	1394.3	1394.3	1388.9	1387.1	1388.9
8°	1361.6	1359.8	1356.2	1354.4	1354.4
9°	1327.1	1321.6	1321.6	1316.2	1319.8
10°	1287.1	1283.5	1279.8	1276.2	1274.4
11°	1241.6	1239.8	1234.4	1230.7	1228.9
12°	1203.5	1194.4	1190.7	1185.3	1188.9
13°	1154.4	1148.9	1139.8	1138.0	1139.8
14°	1112.6	1101.7	1094.4	1090.8	1088.9
15°	1058.0	1047.1	1041.7	1039.9	1039.9
17.5°	936.2	929.0	914.4	914.4	914.4
20°	812.6	805.3	796.2	794.4	796.2
22.5°	705.4	692.6	678.1	679.9	690.8
25°	599.9	589.0	576.3	578.1	587.2
27.5°	510.8	496.3	483.6	487.2	492.7
30°	425.4	416.3	403.6	407.2	412.7
32.5°	352.7	347.2	332.7	336.3	341.8
35°	290.9	285.4	278.1	280.0	280.0
37.5°	232.7	232.7	230.9	229.1	227.2
40°	187.2	190.9	190.9	185.4	181.8
42.5°	152.7	156.3	160.0	152.7	147.3
45°	129.1	130.9	134.5	127.3	123.6
47.5°	112.7	112.7	116.3	110.9	109.1
50°	101.8	101.8	100.0	98.2	100.0
52.5°	92.7	90.9	89.1	90.9	90.9
55°	85.4	83.6	81.8	83.6	83.6
57.5°	80.0	78.2	76.4	76.4	78.2
60°	76.4	72.7	70.9	72.7	74.5
62.5°	72.7	67.3	65.4	67.3	70.9
65°	70.9	63.6	60.0	63.6	69.1
67.5°	69.1	60.0	54.5	60.0	67.3
70°	67.3	56.4	49.1	56.4	65.4
72.5°	65.4	52.7	45.4	52.7	65.4
75°	65.4	49.1	40.0	49.1	63.6
77.5°	61.8	45.4	34.5	45.4	60.0
80°	54.5	41.8	29.1	40.0	50.9
82.5°	40.0	36.4	21.8	34.5	38.2
85°	21.8	25.5	14.5	23.6	20.0
87.5°	3.6	5.5	3.6	10.9	7.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)