

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: P1317386

Luminaire Tested: P3SQAS20R209830D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317386
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: P3SQAS20R209830D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

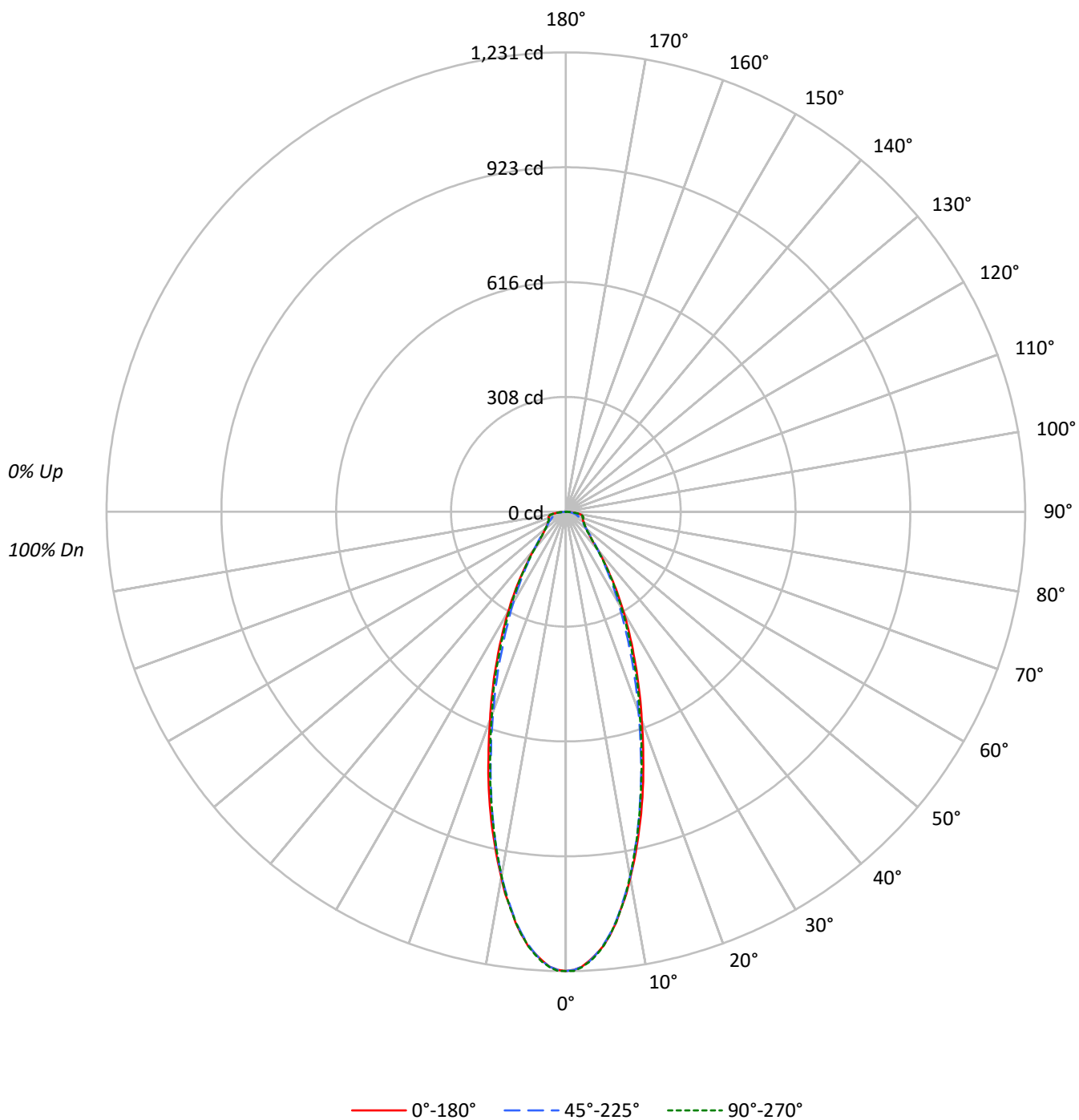
Lumens per Lamp: N/A
Luminaire Lumens: 868.0 lumens
Efficiency: N/A
Efficacy: 31.7 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94	92	91	89
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81	77	74	72
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75	71	68	66
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71	66	63	61
6	82	72	65	60	81	71	65	60	69	64	59		68	63	59		67	62	59	57
7	78	67	61	56	77	67	60	56	65	60	55		64	59	55		63	58	55	53
8	74	63	57	52	73	63	57	52	62	56	52		61	55	52		60	55	51	50
9	71	60	53	49	69	59	53	49	58	53	49		57	52	49		57	52	48	47
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54	49	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	211972	211972	211972
5°	201700	201164	201700
10°	174110	173585	173323
15°	141301	138038	138591
20°	108866	104119	106080
25°	82700	76600	80381
30°	61350	55881	59520
35°	43353	40451	42701
40°	29879	29879	29182
45°	21945	23065	21945
50°	19237	19237	19237
55°	18346	17896	18346
60°	18944	17360	18944
65°	20539	17442	20539
70°	24623	17674	24623
75°	31474	19297	31474
80°	39374	19737	37886
85°	30233	18180	33197

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 39374 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.6	12.2
10°-20°	215.6	24.8
20°-30°	192.5	22.2
30°-40°	126.3	14.6
40°-50°	73.5	8.5
50°-60°	54.5	6.3
60°-70°	46.1	5.3
70°-80°	38.0	4.4
80°-90°	15.9	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°	513.7	59.2
0°-40°	640.1	73.7
0°-60°	768.0	88.5
0°-90°	868.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	868.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1231	1231	1231	1231	1231	
5°	1167	1165	1164	1165	1167	106
15°	792	785	774	776	777	219
25°	435	423	403	414	423	200
35°	206	200	192	198	203	131
45°	90	92	95	92	90	72
55°	61	60	60	60	61	56
65°	50	46	43	46	50	50
75°	47	35	29	35	47	48
85°	15	17	9	17	17	18
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1230.8	1230.8	1230.8	1230.8	1230.8
1°	1227.8	1229.3	1227.8	1229.3	1230.8
2°	1220.1	1221.7	1220.1	1220.1	1221.7
3°	1204.9	1206.4	1206.4	1206.4	1207.9
4°	1186.5	1188.1	1186.5	1188.1	1189.6
5°	1166.7	1165.2	1163.6	1165.2	1166.7
6°	1139.2	1137.7	1136.1	1137.7	1139.2
7°	1108.7	1107.1	1105.6	1105.6	1107.1
8°	1070.5	1072.0	1067.4	1070.5	1072.0
9°	1036.9	1033.8	1030.8	1030.8	1033.8
10°	995.6	992.6	992.6	991.1	991.1
12.5°	894.9	888.8	884.2	884.2	885.7
15°	792.5	784.9	774.2	775.8	777.3
17.5°	690.2	681.1	667.3	670.4	673.4
20°	594.0	584.9	568.1	574.2	578.8
22.5°	511.6	497.8	482.6	487.1	502.4
25°	435.2	423.0	403.1	413.8	423.0
27.5°	368.0	354.3	337.5	348.2	357.3
30°	308.5	296.3	281.0	290.1	299.3
32.5°	255.0	244.3	233.6	239.8	247.4
35°	206.2	200.0	192.4	198.5	203.1
37.5°	166.5	163.4	160.3	163.4	161.9
40°	132.9	134.4	132.9	132.9	129.8
42.5°	105.4	109.9	111.5	108.4	105.4
45°	90.1	91.6	94.7	91.6	90.1
47.5°	79.4	79.4	80.9	79.4	77.9
50°	71.8	71.8	71.8	71.8	71.8
52.5°	65.7	65.7	64.1	65.7	65.7
55°	61.1	59.6	59.6	59.6	61.1
57.5°	58.0	56.5	55.0	56.5	58.0
60°	55.0	51.9	50.4	51.9	55.0
62.5°	51.9	48.9	47.3	48.9	51.9
65°	50.4	45.8	42.8	45.8	50.4
67.5°	48.9	42.8	39.7	42.8	50.4
70°	48.9	39.7	35.1	41.2	48.9
72.5°	47.3	38.2	32.1	38.2	47.3
75°	47.3	35.1	29.0	35.1	47.3
77.5°	44.3	32.1	24.4	32.1	44.3
80°	39.7	29.0	19.9	29.0	38.2
82.5°	29.0	24.4	15.3	24.4	29.0
85°	15.3	16.8	9.2	16.8	16.8
87.5°	1.5	6.1	3.1	9.2	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)