

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: P1307169

Luminaire Tested: P3SQAS20R209027D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307169
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: P3SQAS20R209027D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

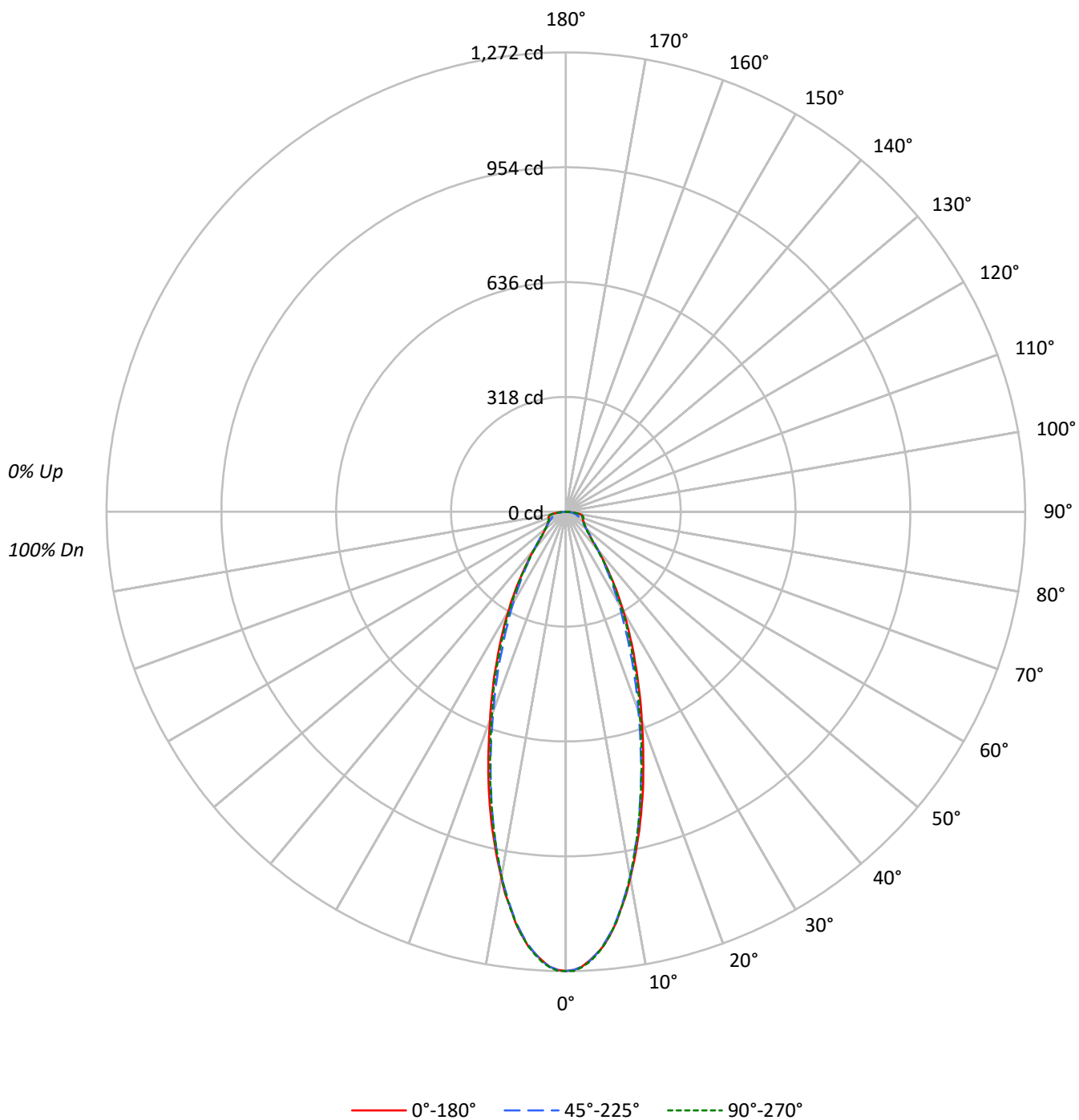
Lumens per Lamp: N/A
Luminaire Lumens: 897.0 lumens
Efficiency: N/A
Efficacy: 31.1 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1307169

CATALOG NUMBER: P3SQAS20R209027D010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1307169

CATALOG NUMBER: P3SQAS20R209027D010 E3SQPHLP1MW

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	63		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		57	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°	219050	219050	219050
5°	208442	207889	208442
10°	179933	179391	179112
15°	146026	142656	143209
20°	112513	107583	109617
25°	85474	79165	83061
30°	63398	57751	61509
35°	44782	41797	44130
40°	30868	30868	30148
45°	22675	23820	22675
50°	19880	19880	19880
55°	18946	18466	18946
60°	19564	17946	19564
65°	21231	18012	21231
70°	25429	18279	25429
75°	32539	19963	32539
80°	40663	20332	39176
85°	31221	18772	34383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 40663 cd/sqm

TEST NUMBER: P1307169

CATALOG NUMBER: P3SQAS20R209027D010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.1	12.2
10°-20°	222.8	24.8
20°-30°	199.0	22.2
30°-40°	130.5	14.6
40°-50°	75.9	8.5
50°-60°	56.3	6.3
60°-70°	47.6	5.3
70°-80°	39.3	4.4
80°-90°	16.4	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°	530.9	59.2
0°-40°	661.4	73.7
0°-60°	793.7	88.5
0°-90°	897.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	897.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1272	1272	1272	1272	1272	
5°	1206	1204	1202	1204	1206	109
15°	819	811	800	802	803	226
25°	450	437	417	428	437	207
35°	213	207	199	205	210	135
45°	93	95	98	95	93	75
55°	63	62	62	62	63	57
65°	52	47	44	47	52	52
75°	49	36	30	36	49	50
85°	16	17	10	17	17	18
90°	0	0	0	0	0	

TEST NUMBER: P1307169

CATALOG NUMBER: P3SQAS20R209027D010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1271.9	1271.9	1271.9	1271.9	1271.9
1°	1268.8	1270.4	1268.8	1270.4	1271.9
2°	1260.9	1262.5	1260.9	1260.9	1262.5
3°	1245.1	1246.7	1246.7	1246.7	1248.3
4°	1226.2	1227.8	1226.2	1227.8	1229.3
5°	1205.7	1204.1	1202.5	1204.1	1205.7
6°	1177.3	1175.7	1174.1	1175.7	1177.3
7°	1145.7	1144.1	1142.5	1142.5	1144.1
8°	1106.2	1107.8	1103.1	1106.2	1107.8
9°	1071.5	1068.4	1065.2	1065.2	1068.4
10°	1028.9	1025.8	1025.8	1024.2	1024.2
12.5°	924.8	918.4	913.7	913.7	915.3
15°	819.0	811.1	800.1	801.7	803.2
17.5°	713.3	703.8	689.6	692.8	695.9
20°	613.9	604.4	587.0	593.4	598.1
22.5°	528.7	514.5	498.7	503.4	519.2
25°	449.8	437.1	416.6	427.7	437.1
27.5°	380.3	366.1	348.8	359.8	369.3
30°	318.8	306.1	290.4	299.8	309.3
32.5°	263.5	252.5	241.4	247.8	255.7
35°	213.0	206.7	198.8	205.2	209.9
37.5°	172.0	168.9	165.7	168.9	167.3
40°	137.3	138.9	137.3	137.3	134.1
42.5°	108.9	113.6	115.2	112.0	108.9
45°	93.1	94.7	97.8	94.7	93.1
47.5°	82.1	82.1	83.6	82.1	80.5
50°	74.2	74.2	74.2	74.2	74.2
52.5°	67.9	67.9	66.3	67.9	67.9
55°	63.1	61.5	61.5	61.5	63.1
57.5°	60.0	58.4	56.8	58.4	60.0
60°	56.8	53.7	52.1	53.7	56.8
62.5°	53.7	50.5	48.9	50.5	53.7
65°	52.1	47.3	44.2	47.3	52.1
67.5°	50.5	44.2	41.0	44.2	52.1
70°	50.5	41.0	36.3	42.6	50.5
72.5°	48.9	39.5	33.1	39.5	48.9
75°	48.9	36.3	30.0	36.3	48.9
77.5°	45.8	33.1	25.2	33.1	45.8
80°	41.0	30.0	20.5	30.0	39.5
82.5°	30.0	25.2	15.8	25.2	30.0
85°	15.8	17.4	9.5	17.4	17.4
87.5°	1.6	6.3	3.2	9.5	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)