

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: P1312751

Luminaire Tested: P3SQAS20R309727D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312751
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309727D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

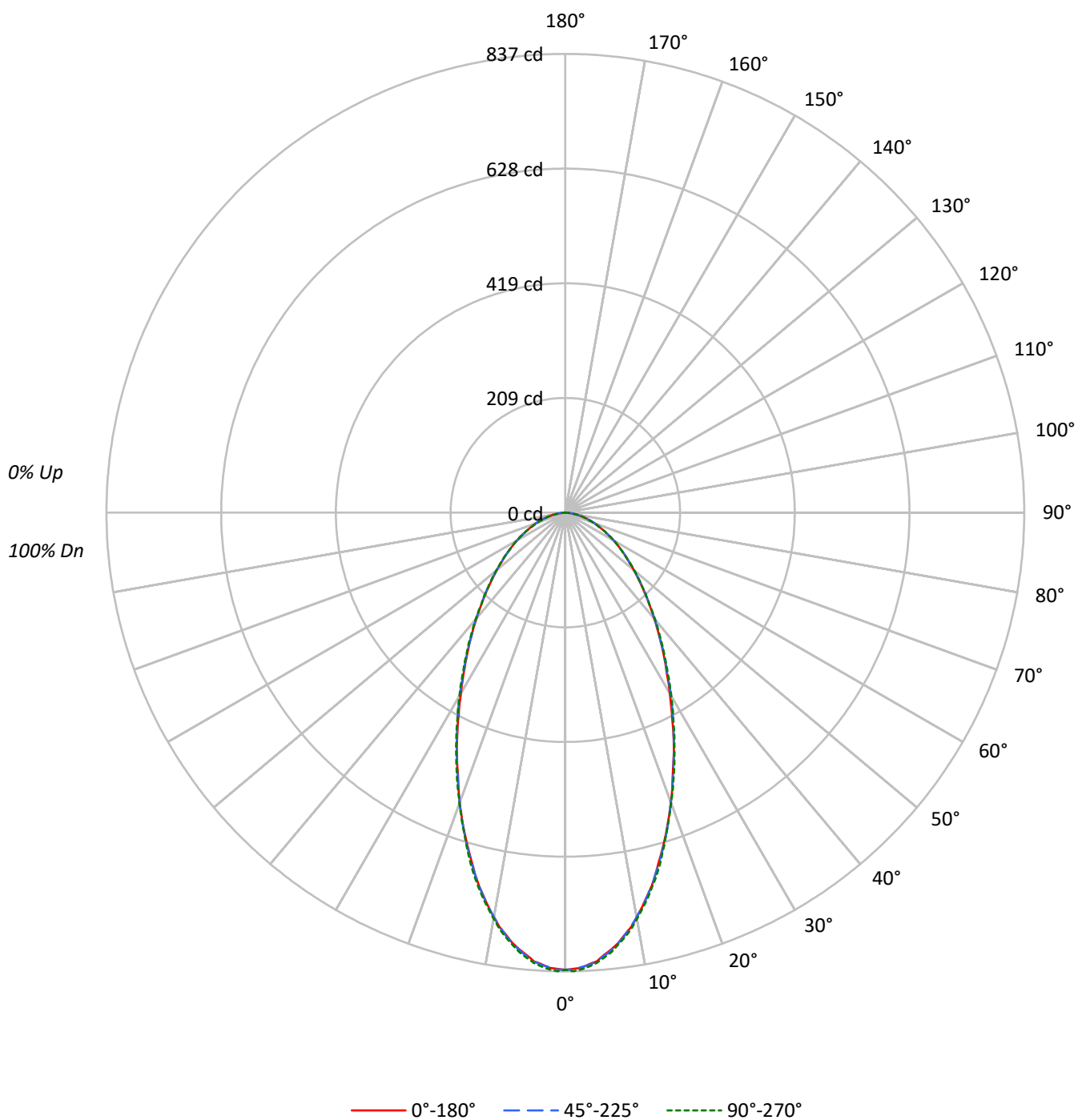
Lumens per Lamp: N/A
Luminaire Lumens: 1071.0 lumens
Efficiency: N/A
Efficacy: 37.2 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312751

CATALOG NUMBER: P3SQAS20R309727D010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312751

CATALOG NUMBER: P3SQAS20R309727D010 E3SQPHLD1MW

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	107	103	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	85	100	94	89	84	91	86	83		87	84	81		85
3	95	86	80	74	93	85	79	74	82	77	72		79	75	71		77
4	89	78	71	65	86	77	70	65	75	69	64		73	67	63		71
5	83	72	64	58	81	71	63	58	69	62	57		67	61	57		65
6	77	66	58	52	76	65	58	52	63	57	52		62	56	51		60
7	72	61	53	48	71	60	53	47	58	52	47		57	51	47		56
8	68	56	49	44	67	56	48	43	54	48	43		53	47	43		52
9	64	52	45	40	63	52	45	40	51	44	40		50	44	40		49
10	61	49	42	37	60	48	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	143651	143651	143651
5°	140102	140362	140863
10°	131090	131090	131614
15°	117552	117801	118604
20°	103184	103184	103441
25°	88951	88951	89522
30°	75708	76603	76901
35°	65407	65723	66038
40°	56632	56947	57284
45°	49443	49784	49784
50°	43673	43673	44048
55°	39154	39154	39154
60°	35202	35202	35202
65°	31379	31379	31379
70°	28350	28350	28350
75°	25619	24620	24620
80°	22018	20530	20530
85°	14623	14623	14623

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 49784 cd/sqm

TEST NUMBER: P1312751

CATALOG NUMBER: P3SQAS20R309727D010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.5	7.1
10°-20°	184.2	17.2
20°-30°	215.1	20.1
30°-40°	195.7	18.3
40°-50°	158.1	14.8
50°-60°	116.8	10.9
60°-70°	76.9	7.2
70°-80°	39.7	3.7
80°-90°	9.0	0.8
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°	474.8	44.3
0°-40°	670.5	62.6
0°-60°	945.4	88.3
0°-90°	1071.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1071.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	834	834	834	834	834	
5°	810	810	812	812	815	75
15°	659	661	661	661	665	184
25°	468	467	468	468	471	214
35°	311	310	313	313	314	195
45°	203	204	204	204	204	158
55°	130	129	130	129	130	117
65°	77	77	77	77	77	77
75°	38	37	37	37	37	41
85°	7	7	7	7	7	9
90°	0	0	0	0	0	

TEST NUMBER: P1312751

CATALOG NUMBER: P3SQAS20R309727D010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	834.1	834.1	834.1	834.1	834.1
1°	832.6	832.6	834.1	832.6	837.0
2°	831.1	829.6	829.6	829.6	834.1
3°	825.2	825.2	826.7	825.2	829.6
4°	820.7	819.3	820.7	819.3	823.7
5°	810.4	810.4	811.9	811.9	814.8
6°	801.5	801.5	803.0	801.5	805.9
7°	791.1	791.1	791.1	791.1	794.1
8°	777.8	777.8	779.3	779.3	782.2
9°	765.9	764.4	764.4	764.4	768.9
10°	749.6	749.6	749.6	749.6	752.6
11°	733.3	733.3	733.3	733.3	736.3
12°	715.6	715.6	717.0	715.6	720.0
13°	699.3	699.3	699.3	699.3	702.2
14°	680.0	678.5	680.0	680.0	684.4
15°	659.3	660.7	660.7	660.7	665.2
17.5°	611.9	611.9	613.3	610.4	613.3
20°	563.0	561.5	563.0	563.0	564.4
22.5°	512.6	514.1	514.1	514.1	517.0
25°	468.1	466.7	468.1	468.1	471.1
27.5°	422.2	423.7	425.2	423.7	426.7
30°	380.7	383.7	385.2	382.2	386.7
32.5°	343.7	343.7	345.2	346.7	348.1
35°	311.1	309.6	312.6	312.6	314.1
37.5°	280.0	280.0	280.0	281.5	283.0
40°	251.9	251.9	253.3	253.3	254.8
42.5°	226.7	225.2	226.7	226.7	226.7
45°	203.0	204.4	204.4	204.4	204.4
47.5°	182.2	182.2	183.7	182.2	183.7
50°	163.0	163.0	163.0	163.0	164.4
52.5°	145.2	145.2	145.2	145.2	146.7
55°	130.4	128.9	130.4	128.9	130.4
57.5°	115.6	115.6	115.6	115.6	115.6
60°	102.2	100.7	102.2	100.7	102.2
62.5°	88.9	88.9	88.9	88.9	88.9
65°	77.0	77.0	77.0	77.0	77.0
67.5°	66.7	66.7	66.7	65.2	65.2
70°	56.3	56.3	56.3	56.3	56.3
72.5°	47.4	45.9	45.9	45.9	45.9
75°	38.5	37.0	37.0	37.0	37.0
77.5°	29.6	29.6	28.1	28.1	29.6
80°	22.2	20.7	20.7	20.7	20.7
82.5°	13.3	13.3	13.3	13.3	13.3
85°	7.4	7.4	7.4	7.4	7.4
87.5°	1.5	1.5	1.5	3.0	3.0



TEST NUMBER: P1312751

CATALOG NUMBER: P3SQAS20R309727D010 E3SQPHLD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)