

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: P1312714

Luminaire Tested: P3SQAS20R209727D010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312714
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R209727D010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

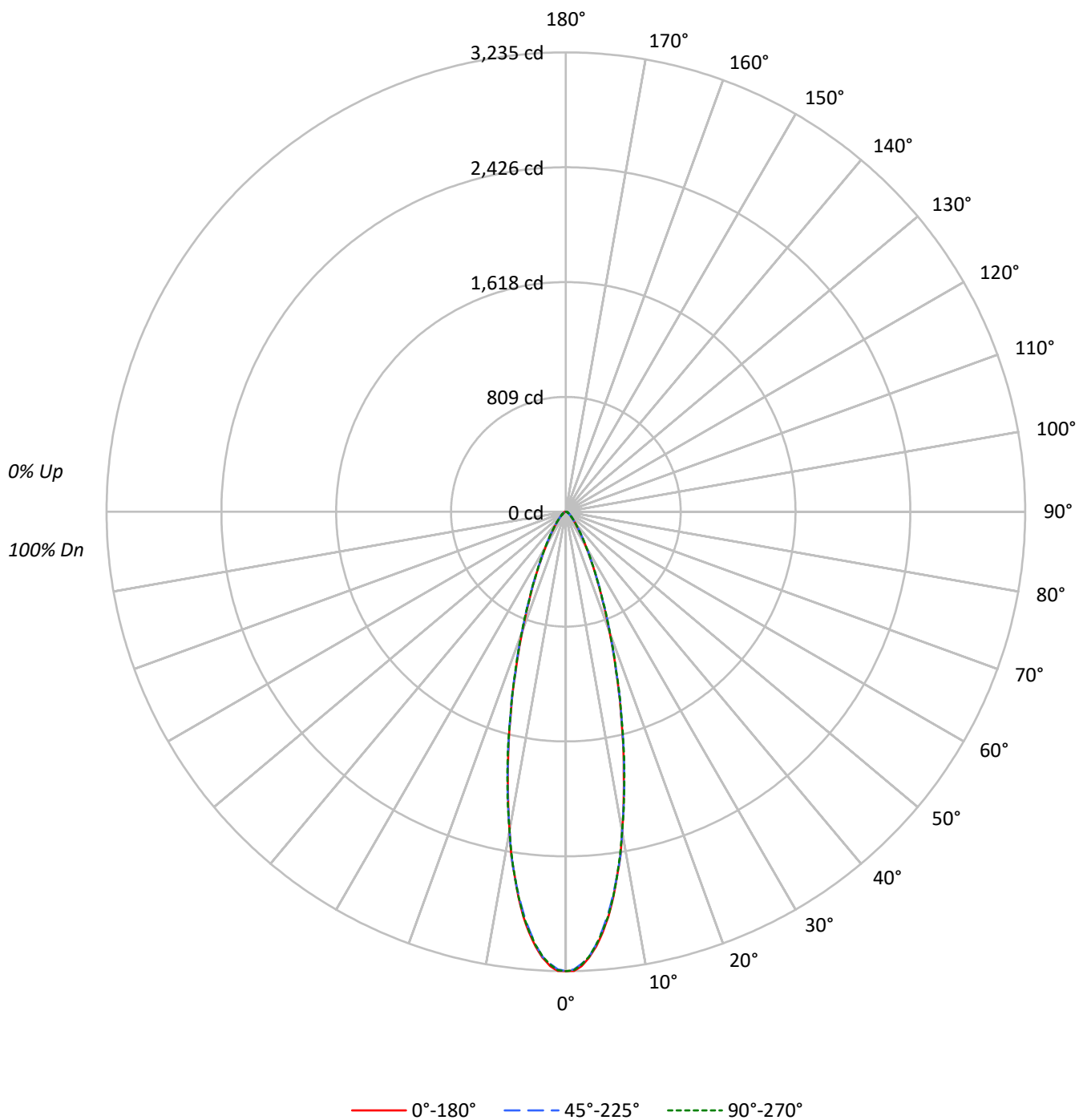
Lumens per Lamp: N/A
Luminaire Lumens: 1137.0 lumens
Efficiency: N/A
Efficacy: 39.5 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312714

CATALOG NUMBER: P3SQAS20R209727D010 E3SQPHL1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1312714

CATALOG NUMBER: P3SQAS20R209727D010 E3SQPHL1MB

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	557209	557209	557209
5°	514060	511121	512833
10°	398918	399407	399407
15°	269622	270888	270888
20°	163757	165828	166597
25°	96058	97408	97142
30°	56040	57154	57452
35°	34228	35132	35132
40°	22280	22594	22909
45°	15515	15856	16197
50°	11387	11762	11762
55°	8918	9368	9368
60°	7819	7819	8301
65°	6928	6928	7498
70°	6395	6395	6395
75°	5656	5656	5656
80°	4166	4166	5653
85°	2766	2766	5533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 16197 cd/sqm

TEST NUMBER: P1312714

CATALOG NUMBER: P3SQAS20R209727D010 E3SQPHL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.9	22.9
10°-20°	417.8	36.7
20°-30°	242.0	21.3
30°-40°	108.5	9.5
40°-50°	51.4	4.5
50°-60°	28.2	2.5
60°-70°	17.1	1.5
70°-80°	9.2	0.8
80°-90°	2.0	0.2
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°	920.6	81.0
0°-40°	1029.1	90.5
0°-60°	1108.8	97.5
0°-90°	1137.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1137.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3235	3235	3235	3235	3235	
5°	2974	2964	2956	2962	2966	262
15°	1512	1512	1519	1512	1519	417
25°	506	506	513	508	511	240
35°	163	164	167	168	167	106
45°	64	64	65	65	66	50
55°	30	30	31	31	31	27
65°	17	17	17	17	18	17
75°	8	8	8	8	8	9
85°	1	1	1	1	3	2
90°	0	0	0	0	0	

TEST NUMBER: P1312714

CATALOG NUMBER: P3SQAS20R209727D010 E3SQPHL1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3235.4	3235.4	3235.4	3235.4	3235.4
1°	3234.0	3225.5	3222.7	3219.8	3228.3
2°	3201.4	3191.5	3185.9	3188.7	3190.1
3°	3143.4	3137.7	3137.7	3133.5	3136.3
4°	3068.3	3057.0	3057.0	3058.4	3058.4
5°	2973.5	2963.6	2956.5	2962.1	2966.4
6°	2867.3	2854.5	2848.9	2850.3	2860.2
7°	2737.0	2720.0	2722.8	2729.9	2729.9
8°	2589.7	2588.3	2591.2	2588.3	2591.2
9°	2453.8	2434.0	2451.0	2436.8	2443.9
10°	2281.1	2279.7	2283.9	2288.2	2283.9
12.5°	1887.4	1894.5	1897.4	1891.7	1904.4
15°	1512.2	1512.2	1519.3	1512.2	1519.3
17.5°	1176.6	1175.2	1180.9	1175.2	1183.7
20°	893.5	903.4	904.8	904.8	909.0
22.5°	674.0	674.0	679.6	681.1	678.2
25°	505.5	505.5	512.6	508.3	511.2
27.5°	373.8	376.6	382.3	385.1	385.1
30°	281.8	283.2	287.4	288.9	288.9
32.5°	212.4	215.2	218.1	219.5	220.9
35°	162.8	164.2	167.1	168.5	167.1
37.5°	124.6	126.0	128.9	130.3	130.3
40°	99.1	99.1	100.5	101.9	101.9
42.5°	77.9	79.3	79.3	80.7	80.7
45°	63.7	63.7	65.1	65.1	66.5
47.5°	51.0	51.0	52.4	53.8	53.8
50°	42.5	42.5	43.9	43.9	43.9
52.5°	35.4	35.4	36.8	36.8	36.8
55°	29.7	29.7	31.2	31.2	31.2
57.5°	25.5	25.5	26.9	26.9	26.9
60°	22.7	22.7	22.7	22.7	24.1
62.5°	19.8	19.8	19.8	19.8	19.8
65°	17.0	17.0	17.0	17.0	18.4
67.5°	14.2	14.2	14.2	14.2	15.6
70°	12.7	12.7	12.7	12.7	12.7
72.5°	9.9	9.9	9.9	11.3	11.3
75°	8.5	8.5	8.5	8.5	8.5
77.5°	7.1	7.1	7.1	7.1	7.1
80°	4.2	4.2	4.2	5.7	5.7
82.5°	2.8	2.8	2.8	2.8	2.8
85°	1.4	1.4	1.4	1.4	2.8
87.5°	0.0	0.0	0.0	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)