

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: P1306193

Luminaire Tested: P3SQAS20R209024D010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306193
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: P3SQAS20R209024D010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

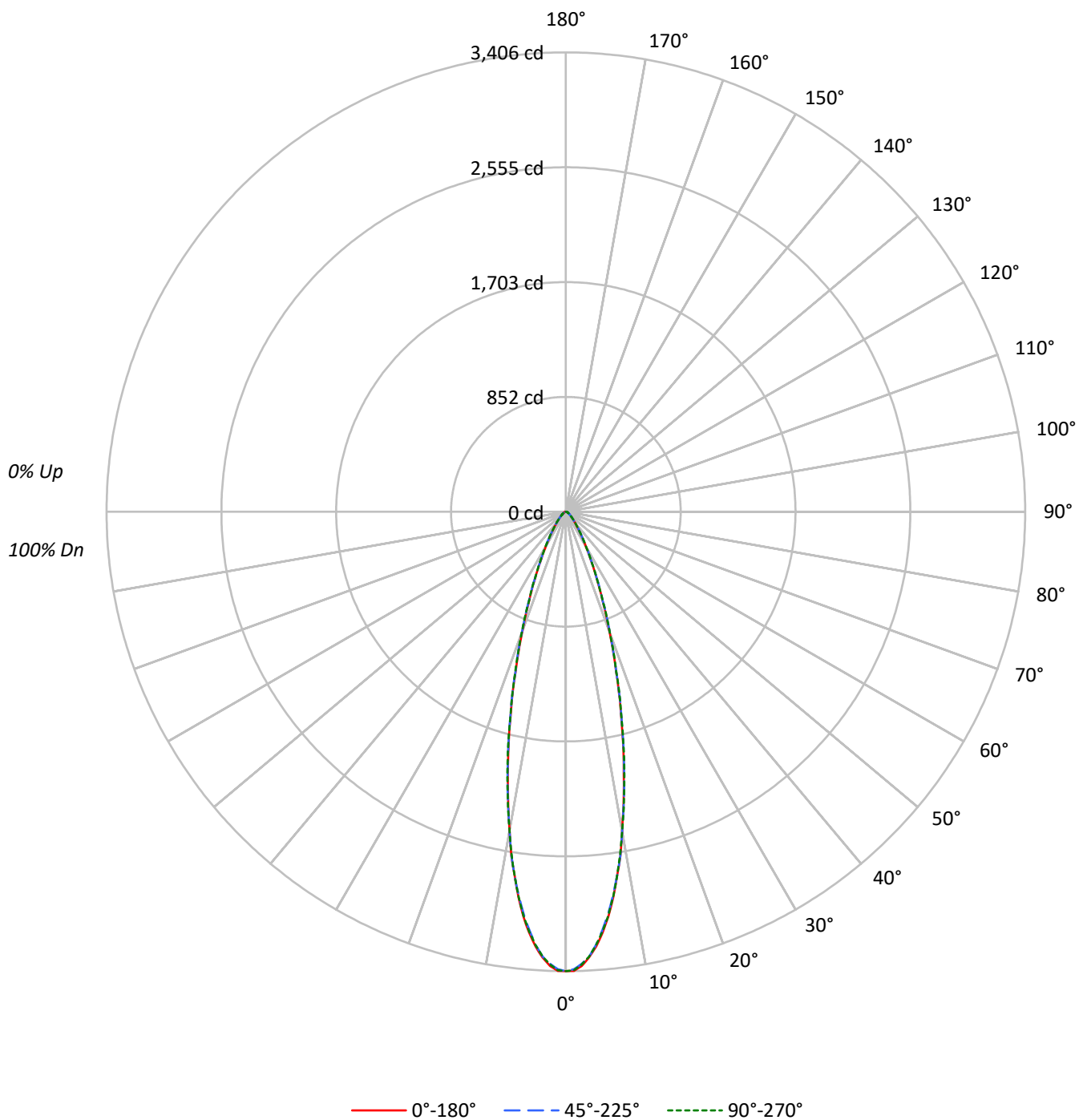
Lumens per Lamp: N/A
Luminaire Lumens: 1197.0 lumens
Efficiency: N/A
Efficacy: 41.6 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1306193

CATALOG NUMBER: P3SQAS20R209024D010 E3SQPHL1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1306193

CATALOG NUMBER: P3SQAS20R209024D010 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°	586608	586608	586608
5°	541185	538091	539889
10°	419956	420480	420480
15°	283850	285188	285188
20°	172389	174570	175395
25°	101132	102538	102253
30°	58984	60177	60475
35°	36036	36982	36982
40°	23449	23786	24123
45°	16343	16708	17074
50°	11977	12378	12378
55°	9398	9849	9849
60°	8232	8232	8714
65°	7294	7294	7906
70°	6748	6748	6748
75°	5922	5922	5922
80°	4463	4463	5951
85°	2964	2964	5928

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 17074 cd/sqm

TEST NUMBER: P1306193

CATALOG NUMBER: P3SQAS20R209024D010 E3SQPHL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.7	22.9
10°-20°	439.8	36.7
20°-30°	254.7	21.3
30°-40°	114.2	9.5
40°-50°	54.2	4.5
50°-60°	29.7	2.5
60°-70°	18.0	1.5
70°-80°	9.6	0.8
80°-90°	2.1	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°	969.2	81.0
0°-40°	1083.4	90.5
0°-60°	1167.3	97.5
0°-90°	1197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1197.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3406	3406	3406	3406	3406	
5°	3130	3120	3112	3118	3123	275
15°	1592	1592	1600	1592	1600	439
25°	532	532	540	535	538	252
35°	171	173	176	177	176	112
45°	67	67	69	69	70	53
55°	31	31	33	33	33	29
65°	18	18	18	18	19	18
75°	9	9	9	9	9	9
85°	2	2	2	2	3	2
90°	0	0	0	0	0	

TEST NUMBER: P1306193

CATALOG NUMBER: P3SQAS20R209024D010 E3SQPHL1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3406.1	3406.1	3406.1	3406.1	3406.1
1°	3404.7	3395.7	3392.7	3389.8	3398.7
2°	3370.4	3359.9	3354.0	3357.0	3358.4
3°	3309.3	3303.3	3303.3	3298.8	3301.8
4°	3230.3	3218.3	3218.3	3219.8	3219.8
5°	3130.4	3119.9	3112.5	3118.5	3122.9
6°	3018.6	3005.2	2999.2	3000.7	3011.1
7°	2881.4	2863.5	2866.5	2874.0	2874.0
8°	2726.4	2724.9	2727.9	2724.9	2727.9
9°	2583.3	2562.4	2580.3	2565.4	2572.9
10°	2401.4	2400.0	2404.4	2408.9	2404.4
12.5°	1987.0	1994.5	1997.5	1991.5	2004.9
15°	1592.0	1592.0	1599.5	1592.0	1599.5
17.5°	1238.7	1237.2	1243.2	1237.2	1246.2
20°	940.6	951.0	952.5	952.5	957.0
22.5°	709.6	709.6	715.5	717.0	714.0
25°	532.2	532.2	539.6	535.1	538.1
27.5°	393.5	396.5	402.5	405.5	405.5
30°	296.6	298.1	302.6	304.1	304.1
32.5°	223.6	226.6	229.6	231.1	232.5
35°	171.4	172.9	175.9	177.4	175.9
37.5°	131.2	132.7	135.6	137.1	137.1
40°	104.3	104.3	105.8	107.3	107.3
42.5°	82.0	83.5	83.5	85.0	85.0
45°	67.1	67.1	68.6	68.6	70.1
47.5°	53.7	53.7	55.2	56.6	56.6
50°	44.7	44.7	46.2	46.2	46.2
52.5°	37.3	37.3	38.8	38.8	38.8
55°	31.3	31.3	32.8	32.8	32.8
57.5°	26.8	26.8	28.3	28.3	28.3
60°	23.9	23.9	23.9	23.9	25.3
62.5°	20.9	20.9	20.9	20.9	20.9
65°	17.9	17.9	17.9	17.9	19.4
67.5°	14.9	14.9	14.9	14.9	16.4
70°	13.4	13.4	13.4	13.4	13.4
72.5°	10.4	10.4	10.4	11.9	11.9
75°	8.9	8.9	8.9	8.9	8.9
77.5°	7.5	7.5	7.5	7.5	7.5
80°	4.5	4.5	4.5	6.0	6.0
82.5°	3.0	3.0	3.0	3.0	3.0
85°	1.5	1.5	1.5	1.5	3.0
87.5°	0.0	0.0	0.0	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)