

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: P1317370

Luminaire Tested: P3SQAS20R159830D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317370
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R159830D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

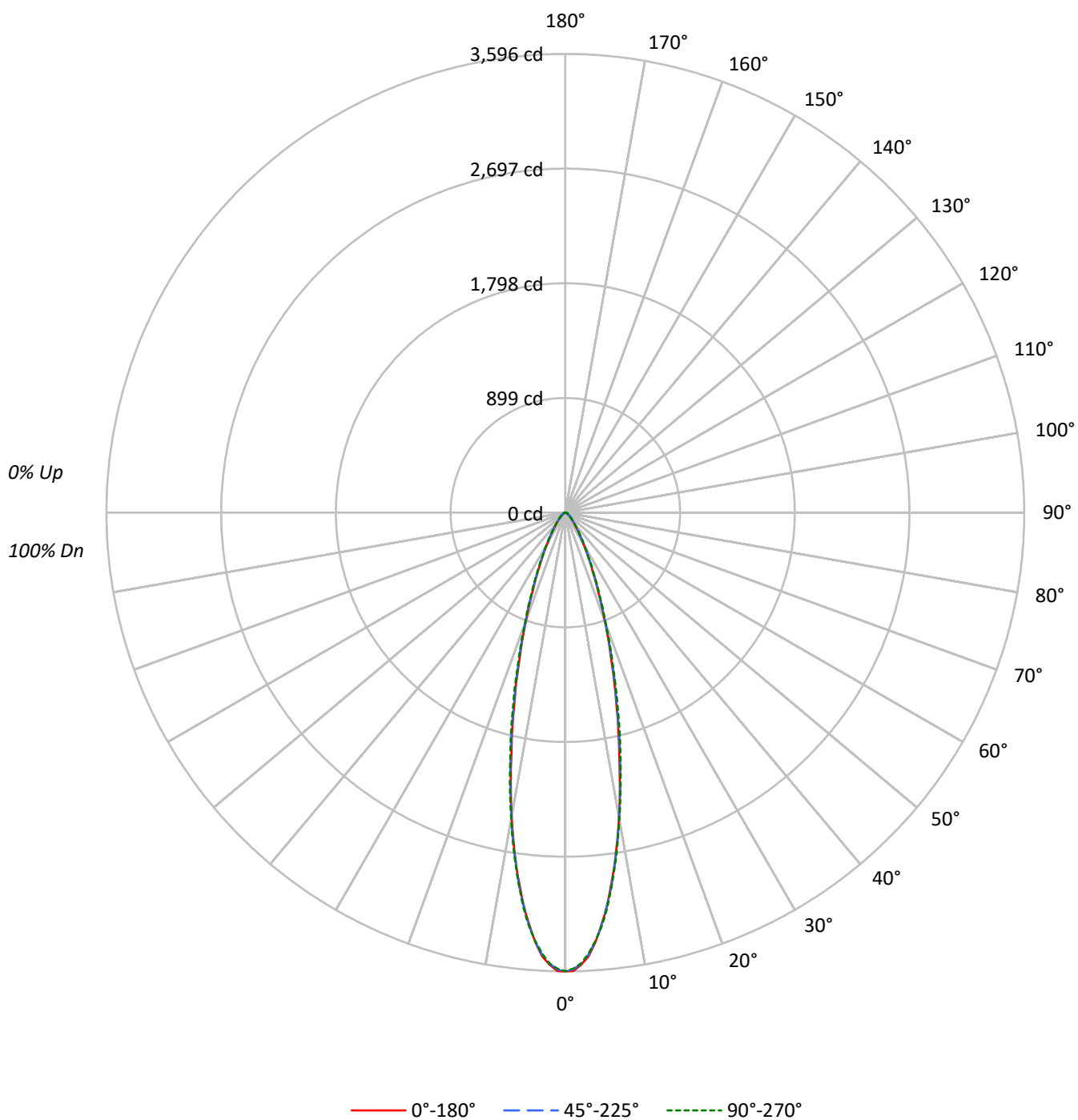
Lumens per Lamp: N/A
Luminaire Lumens: 1189.0 lumens
Efficiency: N/A
Efficacy: 43.4 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94		97	94	92		94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86	83	81	80
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83	79	77	76
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79	76	73	72
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76	73	70	69
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74	70	67	66
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71	67	65	64
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	619227	619227	619227
5°	560876	561931	562726
10°	423453	424520	426653
15°	274668	277663	283102
20°	165369	167331	169566
25°	96610	98643	100087
30°	56776	58606	59501
35°	34985	36267	36919
40°	22999	23674	24033
45°	15978	16367	16733
50°	11869	12271	12673
55°	9638	10089	10089
60°	8404	8404	8404
65°	7457	7457	7457
70°	6143	6899	6899
75°	6122	6122	6122
80°	4562	6050	6050
85°	2964	2964	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 16733 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.2	23.8
10°-20°	433.0	36.4
20°-30°	246.1	20.7
30°-40°	112.3	9.4
40°-50°	53.9	4.5
50°-60°	30.1	2.5
60°-70°	18.4	1.5
70°-80°	9.8	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°	962.4	80.9
0°-40°	1074.7	90.4
0°-60°	1158.7	97.4
0°-90°	1189.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1189.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3596	3596	3596	3596	3596	
5°	3244	3243	3250	3250	3255	283
15°	1540	1548	1557	1579	1588	427
25°	508	508	519	524	527	241
35°	166	170	172	176	176	109
45°	66	66	67	69	69	52
55°	32	32	34	34	34	29
65°	18	18	18	18	18	18
75°	9	9	9	9	9	9
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3595.5	3595.5	3595.5	3595.5	3595.5
1°	3592.4	3583.2	3580.2	3578.7	3575.6
2°	3546.6	3539.0	3537.4	3537.4	3535.9
3°	3482.5	3468.7	3470.3	3465.7	3461.1
4°	3374.1	3368.0	3371.0	3374.1	3368.0
5°	3244.3	3242.8	3250.4	3250.4	3255.0
6°	3110.0	3108.4	3103.8	3116.1	3122.2
7°	2939.0	2948.1	2960.3	2954.2	2958.8
8°	2783.2	2772.5	2777.1	2792.4	2793.9
9°	2600.0	2592.4	2612.2	2618.3	2619.9
10°	2421.4	2429.0	2427.5	2448.9	2439.7
12.5°	1955.7	1968.0	1981.7	1990.9	2000.0
15°	1540.5	1548.1	1557.3	1578.6	1587.8
17.5°	1184.7	1193.9	1203.1	1221.4	1224.4
20°	902.3	906.9	913.0	929.8	925.2
22.5°	674.8	682.5	688.6	696.2	700.8
25°	508.4	508.4	519.1	523.7	526.7
27.5°	378.6	381.7	389.3	395.4	393.9
30°	285.5	290.1	294.7	297.7	299.2
32.5°	219.8	219.8	224.4	229.0	230.5
35°	166.4	169.5	172.5	175.6	175.6
37.5°	129.8	131.3	134.4	135.9	135.9
40°	102.3	102.3	105.3	106.9	106.9
42.5°	80.9	82.4	84.0	85.5	85.5
45°	65.6	65.6	67.2	68.7	68.7
47.5°	53.4	53.4	55.0	56.5	56.5
50°	44.3	45.8	45.8	47.3	47.3
52.5°	38.2	38.2	38.2	39.7	39.7
55°	32.1	32.1	33.6	33.6	33.6
57.5°	27.5	27.5	27.5	29.0	29.0
60°	24.4	24.4	24.4	24.4	24.4
62.5°	21.4	21.4	21.4	21.4	21.4
65°	18.3	18.3	18.3	18.3	18.3
67.5°	15.3	15.3	15.3	16.8	16.8
70°	12.2	13.7	13.7	13.7	13.7
72.5°	10.7	10.7	10.7	10.7	10.7
75°	9.2	9.2	9.2	9.2	9.2
77.5°	7.6	7.6	7.6	7.6	7.6
80°	4.6	6.1	6.1	6.1	6.1
82.5°	3.1	3.1	3.1	3.1	3.1
85°	1.5	1.5	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)