

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: P1313675

Luminaire Tested: P3SQAS20R159730D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313675
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R159730D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

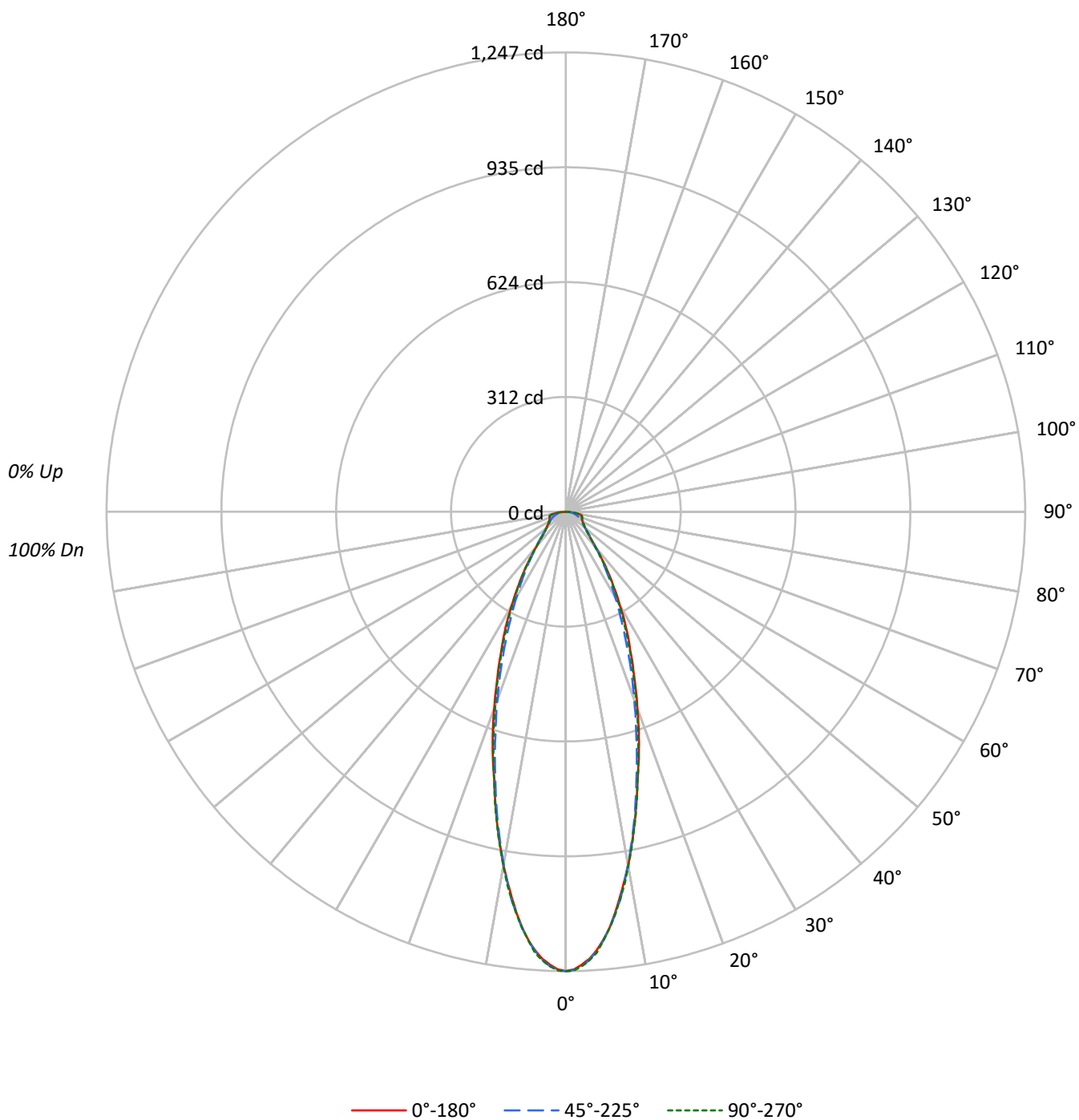
Lumens per Lamp: N/A
Luminaire Lumens: 836.0 lumens
Efficiency: N/A
Efficacy: 29.0 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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
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	86	81	77		83	79	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	69	64		72	68	64		71
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67
7	78	68	61	56	77	67	60	56	66	60	56		64	59	55		63
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	214779	214779	214779
5°	201717	201976	201976
10°	170385	169860	170910
15°	134009	132119	134276
20°	104137	99427	102744
25°	78614	73141	77455
30°	58466	53336	57253
35°	41734	38874	41103
40°	28282	28620	27945
45°	21044	22140	21044
50°	18273	18273	18273
55°	17745	16845	17745
60°	18256	16706	17739
65°	19764	17279	19764
70°	23667	17574	23667
75°	30276	18166	30276
80°	37589	19538	36101
85°	30036	17982	33000

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 37589 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.2	12.6
10°-20°	207.9	24.9
20°-30°	183.8	22.0
30°-40°	120.7	14.4
40°-50°	70.6	8.4
50°-60°	51.9	6.2
60°-70°	44.3	5.3
70°-80°	36.5	4.4
80°-90°	15.1	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°	496.9	59.4
0°-40°	617.6	73.9
0°-60°	740.1	88.5
0°-90°	836.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	836.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1247	1247	1247	1247	1247	
5°	1167	1167	1168	1170	1168	105
15°	752	752	741	750	753	210
25°	414	400	385	396	408	191
35°	198	191	185	189	196	125
45°	86	88	91	88	86	70
55°	59	58	56	58	59	53
65°	48	44	42	44	48	48
75°	46	33	27	35	46	46
85°	15	17	9	15	17	17
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1247.1	1247.1	1247.1	1247.1	1247.1
1°	1242.5	1244.0	1244.0	1245.5	1245.5
2°	1230.4	1233.4	1234.9	1234.9	1234.9
3°	1215.2	1216.8	1218.3	1219.8	1219.8
4°	1194.0	1195.5	1195.5	1198.6	1200.1
5°	1166.8	1166.8	1168.3	1169.8	1168.3
6°	1134.9	1134.9	1136.4	1136.4	1136.4
7°	1097.0	1098.6	1100.1	1101.6	1100.1
8°	1056.1	1057.7	1062.2	1062.2	1060.7
9°	1015.2	1016.7	1016.7	1021.3	1021.3
10°	974.3	974.3	971.3	974.3	977.3
12.5°	863.7	862.2	857.6	862.2	865.2
15°	751.6	751.6	741.0	750.1	753.1
17.5°	660.7	647.0	636.4	645.5	653.1
20°	568.2	554.6	542.5	551.6	560.6
22.5°	484.9	474.3	459.1	468.2	478.8
25°	413.7	400.0	384.9	395.5	407.6
27.5°	354.6	336.4	321.2	333.4	344.0
30°	294.0	281.8	268.2	277.3	287.9
32.5°	242.4	233.4	222.7	230.3	239.4
35°	198.5	190.9	184.9	189.4	195.5
37.5°	159.1	156.1	153.0	154.6	154.6
40°	125.8	127.3	127.3	127.3	124.3
42.5°	103.0	104.6	107.6	104.6	103.0
45°	86.4	87.9	90.9	87.9	86.4
47.5°	75.8	77.3	78.8	75.8	75.8
50°	68.2	68.2	68.2	68.2	68.2
52.5°	63.6	62.1	62.1	62.1	63.6
55°	59.1	57.6	56.1	57.6	59.1
57.5°	54.5	53.0	51.5	53.0	54.5
60°	53.0	50.0	48.5	50.0	51.5
62.5°	50.0	47.0	45.5	47.0	50.0
65°	48.5	43.9	42.4	43.9	48.5
67.5°	47.0	40.9	37.9	40.9	47.0
70°	47.0	37.9	34.9	39.4	47.0
72.5°	45.5	36.4	30.3	36.4	45.5
75°	45.5	33.3	27.3	34.9	45.5
77.5°	42.4	30.3	22.7	31.8	42.4
80°	37.9	27.3	19.7	28.8	36.4
82.5°	27.3	22.7	15.2	22.7	27.3
85°	15.2	16.7	9.1	15.2	16.7
87.5°	1.5	4.5	3.0	9.1	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)