

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: P1305911

Luminaire Tested: P3SQAS13R259024DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259024DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

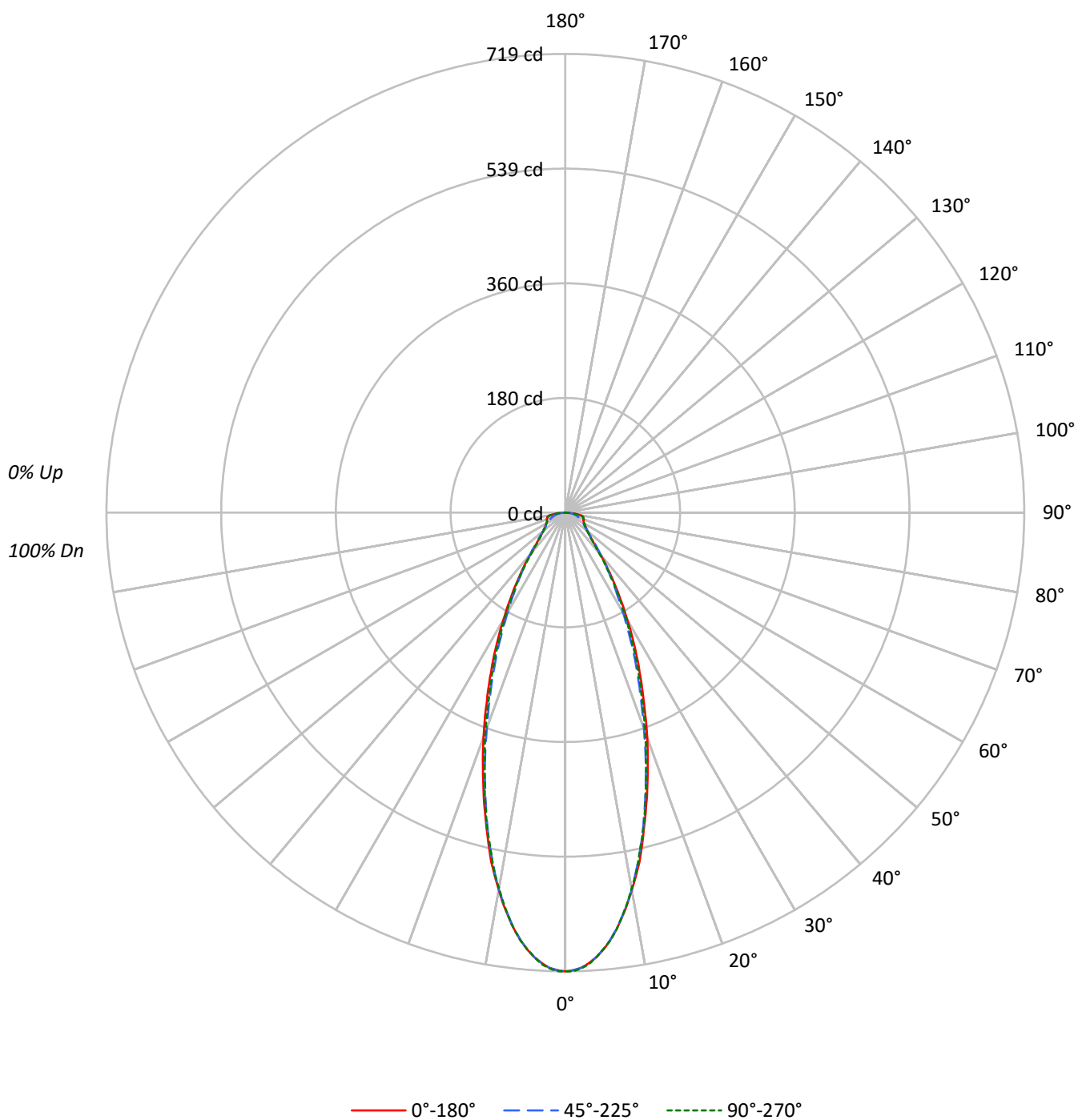
Lumens per Lamp: N/A
Luminaire Lumens: 543.0 lumens
Efficiency: N/A
Efficacy: 37.2 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	123828	123828	123828
5°	118803	118665	118665
10°	105033	104875	104578
15°	86742	85512	85975
20°	68710	65888	66987
25°	52333	49559	50870
30°	38560	35836	37367
35°	27605	26344	26701
40°	18907	19290	18323
45°	14005	14833	13785
50°	12191	12191	11950
55°	11590	11080	11590
60°	11814	10919	11814
65°	12918	11207	12918
70°	15560	11229	15106
75°	19430	11978	19430
80°	24696	12794	23010
85°	20353	11856	20353

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 24696 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.7	11.6
10°-20°	133.3	24.5
20°-30°	122.2	22.5
30°-40°	80.6	14.8
40°-50°	46.9	8.6
50°-60°	34.3	6.3
60°-70°	29.1	5.4
70°-80°	24.1	4.4
80°-90°	9.9	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°	318.2	58.6
0°-40°	398.8	73.4
0°-60°	479.9	88.4
0°-90°	543.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	543.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	719	719	719	719	719	
5°	687	686	686	687	686	63
15°	486	485	480	481	482	135
25°	275	268	261	262	268	127
35°	131	129	125	125	127	83
45°	58	59	61	58	57	46
55°	39	39	37	38	39	35
65°	32	29	28	29	32	32
75°	29	22	18	22	29	31
85°	10	11	6	11	10	12
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	719.0	719.0	719.0	719.0	719.0
1°	717.3	717.3	717.3	717.3	719.0
2°	713.8	713.0	713.8	713.8	714.7
3°	707.0	707.0	707.0	707.0	708.7
4°	698.4	698.4	698.4	698.4	698.4
5°	687.2	686.4	686.4	687.2	686.4
6°	673.5	673.5	673.5	673.5	674.4
7°	658.1	657.2	657.2	656.3	658.1
8°	640.0	640.0	639.2	638.3	640.0
9°	621.2	622.0	620.3	619.4	619.4
10°	600.6	599.7	599.7	599.7	598.0
11°	580.0	577.4	576.6	576.6	578.3
12°	559.4	555.1	553.4	553.4	553.4
13°	534.5	532.8	530.2	528.5	529.4
14°	509.6	509.6	505.3	505.3	507.1
15°	486.5	484.7	479.6	481.3	482.2
17.5°	429.0	425.5	419.5	419.5	420.4
20°	374.9	368.9	359.5	363.8	365.5
22.5°	321.7	315.7	306.3	310.6	312.3
25°	275.4	267.7	260.8	261.7	267.7
27.5°	233.4	224.8	217.9	220.5	223.9
30°	193.9	188.8	180.2	184.5	187.9
32.5°	160.4	156.1	150.1	152.7	156.1
35°	131.3	128.7	125.3	125.3	127.0
37.5°	106.4	105.5	103.8	103.0	102.1
40°	84.1	85.8	85.8	84.1	81.5
42.5°	68.6	70.4	72.1	68.6	66.1
45°	57.5	59.2	60.9	57.5	56.6
47.5°	50.6	51.5	52.3	50.6	49.8
50°	45.5	45.5	45.5	44.6	44.6
52.5°	42.0	41.2	40.3	41.2	41.2
55°	38.6	38.6	36.9	37.8	38.6
57.5°	36.0	35.2	34.3	35.2	36.0
60°	34.3	32.6	31.7	32.6	34.3
62.5°	32.6	30.9	29.2	30.9	32.6
65°	31.7	29.2	27.5	29.2	31.7
67.5°	30.9	27.5	24.9	27.5	30.9
70°	30.9	25.7	22.3	25.7	30.0
72.5°	30.0	24.0	20.6	24.0	30.0
75°	29.2	22.3	18.0	22.3	29.2
77.5°	28.3	20.6	15.4	20.6	27.5
80°	24.9	18.9	12.9	18.9	23.2
82.5°	18.0	15.4	10.3	15.4	17.2
85°	10.3	11.2	6.0	11.2	10.3
87.5°	1.7	2.6	1.7	4.3	3.4



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)