

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: P1309100

Luminaire Tested: P3SQAS13R209035DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309100
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: P3SQAS13R209035DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

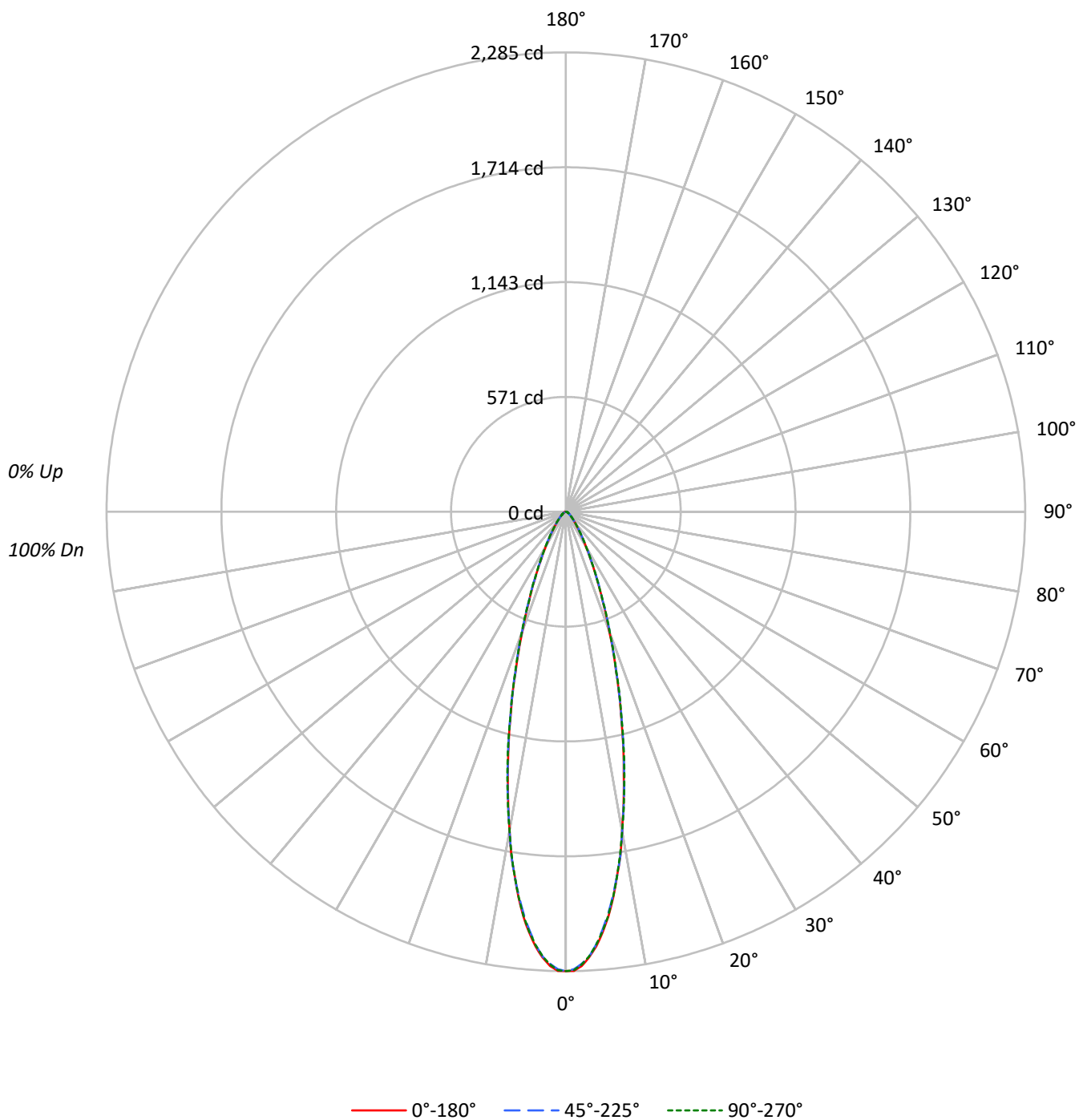
Lumens per Lamp: N/A
Luminaire Lumens: 803.0 lumens
Efficiency: N/A
Efficacy: 55.0 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	393529	393529	393529
5°	363049	360974	362185
10°	281731	282081	282081
15°	190422	191314	191314
20°	115647	117113	117663
25°	67840	68790	68600
30°	39574	40370	40569
35°	24178	24809	24809
40°	15737	15962	16187
45°	10960	11204	11447
50°	8038	8306	8306
55°	6305	6606	6606
60°	5511	5511	5856
65°	4890	4890	5298
70°	4532	4532	4532
75°	3993	3993	3993
80°	2975	2975	3967
85°	1976	1976	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 11447 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.3	22.9
10°-20°	295.1	36.7
20°-30°	170.9	21.3
30°-40°	76.6	9.5
40°-50°	36.3	4.5
50°-60°	19.9	2.5
60°-70°	12.1	1.5
70°-80°	6.5	0.8
80°-90°	1.4	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°	650.2	81.0
0°-40°	726.8	90.5
0°-60°	783.0	97.5
0°-90°	803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	803.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2285	2285	2285	2285	2285	
5°	2100	2093	2088	2092	2095	185
15°	1068	1068	1073	1068	1073	294
25°	357	357	362	359	361	169
35°	115	116	118	119	118	75
45°	45	45	46	46	47	36
55°	21	21	22	22	22	19
65°	12	12	12	12	13	12
75°	6	6	6	6	6	6
85°	1	1	1	1	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2285	2285	2285	2285	2285
1°	2284	2278	2276	2274	2280
2°	2261	2254	2250	2252	2253
3°	2220	2216	2216	2213	2215
4°	2167	2159	2159	2160	2160
5°	2100	2093	2088	2092	2095
6°	2025	2016	2012	2013	2020
7°	1933	1921	1923	1928	1928
8°	1829	1828	1830	1828	1830
9°	1733	1719	1731	1721	1726
10°	1611	1610	1613	1616	1613
12.5°	1333	1338	1340	1336	1345
15°	1068	1068	1073	1068	1073
17.5°	831	830	834	830	836
20°	631	638	639	639	642
22.5°	476	476	480	481	479
25°	357	357	362	359	361
27.5°	264	266	270	272	272
30°	199	200	203	204	204
32.5°	150	152	154	155	156
35°	115	116	118	119	118
37.5°	88	89	91	92	92
40°	70	70	71	72	72
42.5°	55	56	56	57	57
45°	45	45	46	46	47
47.5°	36	36	37	38	38
50°	30	30	31	31	31
52.5°	25	25	26	26	26
55°	21	21	22	22	22
57.5°	18	18	19	19	19
60°	16	16	16	16	17
62.5°	14	14	14	14	14
65°	12	12	12	12	13
67.5°	10	10	10	10	11
70°	9	9	9	9	9
72.5°	7	7	7	8	8
75°	6	6	6	6	6
77.5°	5	5	5	5	5
80°	3	3	3	4	4
82.5°	2	2	2	2	2
85°	1	1	1	1	2
87.5°	0	0	0	1	1
90°	0	0	0	0	0

(END OF REPORT)