

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: P1309086

Luminaire Tested: P3SQAS13R159035DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309086
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: P3SQAS13R159035DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

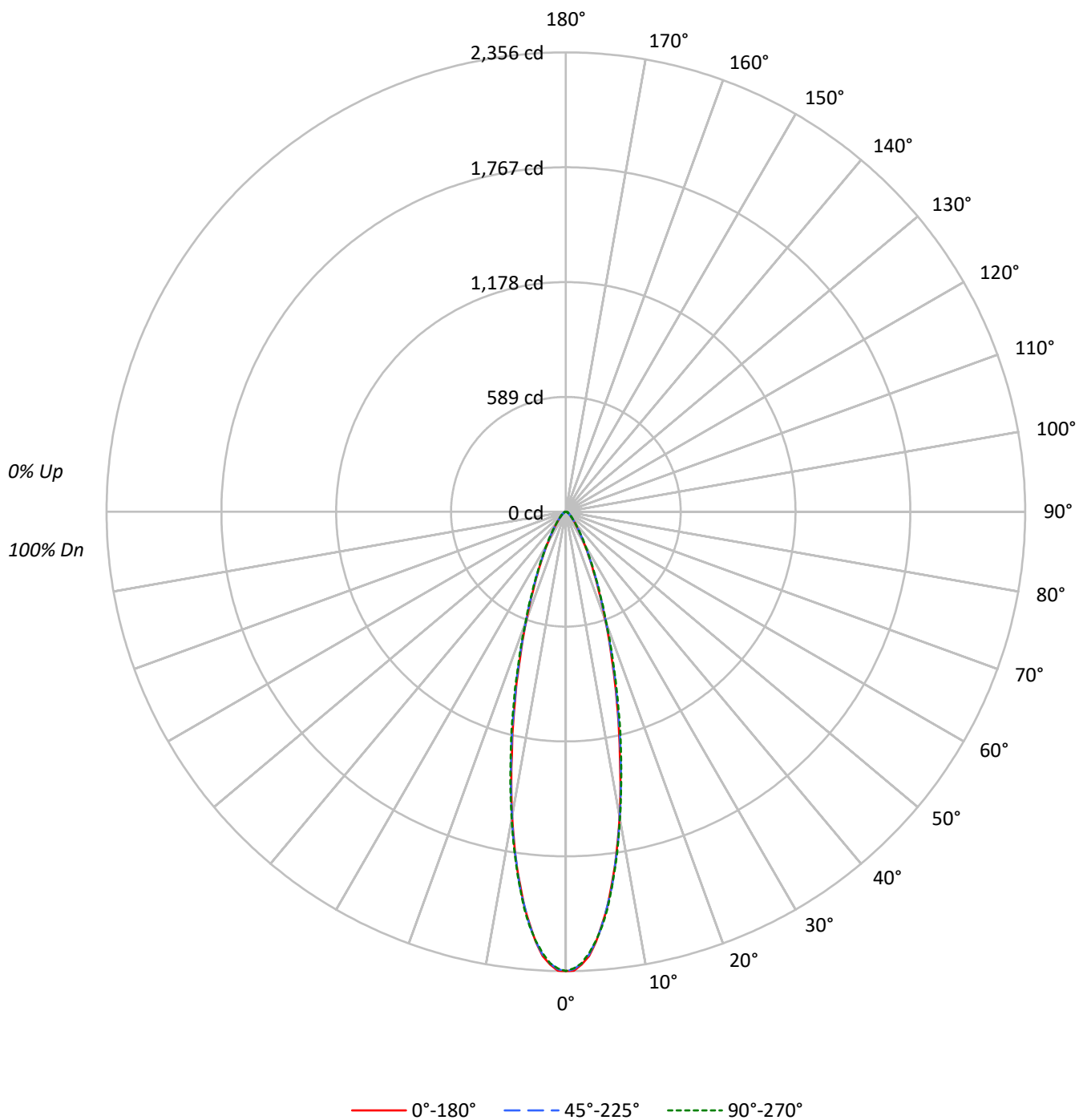
Lumens per Lamp: N/A
Luminaire Lumens: 779.0 lumens
Efficiency: N/A
Efficacy: 53.4 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1309086

CATALOG NUMBER: P3SQAS13R159035DE010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1309086

CATALOG NUMBER: P3SQAS13R159035DE010 E3SQPHL1MW

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°	405688	405688	405688
5°	367475	368166	368685
10°	277429	278128	279527
15°	179956	181917	185483
20°	108352	109635	111102
25°	63298	64628	65578
30°	37208	38401	38998
35°	22917	23758	24178
40°	15063	15513	15737
45°	10473	10717	10960
50°	7770	8038	8306
55°	6305	6606	6606
60°	5511	5511	5511
65°	4890	4890	4890
70°	4028	4532	4532
75°	3993	3993	3993
80°	2975	3967	3967
85°	1976	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 10960 cd/sqm

TEST NUMBER: P1309086

CATALOG NUMBER: P3SQAS13R159035DE010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.6	23.8
10°-20°	283.7	36.4
20°-30°	161.3	20.7
30°-40°	73.6	9.4
40°-50°	35.3	4.5
50°-60°	19.7	2.5
60°-70°	12.1	1.5
70°-80°	6.4	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°	630.5	80.9
0°-40°	704.1	90.4
0°-60°	759.1	97.4
0°-90°	779.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	779.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2356	2356	2356	2356	2356	
5°	2126	2125	2130	2130	2133	185
15°	1009	1014	1020	1034	1040	280
25°	333	333	340	343	345	158
35°	109	111	113	115	115	72
45°	43	43	44	45	45	34
55°	21	21	22	22	22	19
65°	12	12	12	12	12	12
75°	6	6	6	6	6	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1309086

CATALOG NUMBER: P3SQAS13R159035DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2355.6	2355.6	2355.6	2355.6	2355.6
1°	2353.6	2347.6	2345.6	2344.6	2342.6
2°	2323.6	2318.6	2317.6	2317.6	2316.6
3°	2281.6	2272.6	2273.6	2270.6	2267.6
4°	2210.6	2206.6	2208.6	2210.6	2206.6
5°	2125.6	2124.6	2129.6	2129.6	2132.6
6°	2037.6	2036.6	2033.6	2041.6	2045.6
7°	1925.5	1931.5	1939.5	1935.5	1938.5
8°	1823.5	1816.5	1819.5	1829.5	1830.5
9°	1703.5	1698.5	1711.5	1715.5	1716.5
10°	1586.4	1591.4	1590.4	1604.4	1598.4
12.5°	1281.4	1289.4	1298.4	1304.4	1310.4
15°	1009.3	1014.3	1020.3	1034.3	1040.3
17.5°	776.2	782.2	788.2	800.2	802.2
20°	591.2	594.2	598.2	609.2	606.2
22.5°	442.1	447.1	451.1	456.1	459.1
25°	333.1	333.1	340.1	343.1	345.1
27.5°	248.1	250.1	255.1	259.1	258.1
30°	187.1	190.1	193.1	195.1	196.1
32.5°	144.0	144.0	147.0	150.0	151.0
35°	109.0	111.0	113.0	115.0	115.0
37.5°	85.0	86.0	88.0	89.0	89.0
40°	67.0	67.0	69.0	70.0	70.0
42.5°	53.0	54.0	55.0	56.0	56.0
45°	43.0	43.0	44.0	45.0	45.0
47.5°	35.0	35.0	36.0	37.0	37.0
50°	29.0	30.0	30.0	31.0	31.0
52.5°	25.0	25.0	25.0	26.0	26.0
55°	21.0	21.0	22.0	22.0	22.0
57.5°	18.0	18.0	18.0	19.0	19.0
60°	16.0	16.0	16.0	16.0	16.0
62.5°	14.0	14.0	14.0	14.0	14.0
65°	12.0	12.0	12.0	12.0	12.0
67.5°	10.0	10.0	10.0	11.0	11.0
70°	8.0	9.0	9.0	9.0	9.0
72.5°	7.0	7.0	7.0	7.0	7.0
75°	6.0	6.0	6.0	6.0	6.0
77.5°	5.0	5.0	5.0	5.0	5.0
80°	3.0	4.0	4.0	4.0	4.0
82.5°	2.0	2.0	2.0	2.0	2.0
85°	1.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)