

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: P1313582

Luminaire Tested: P3SQAS17R359730DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313582
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R359730DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

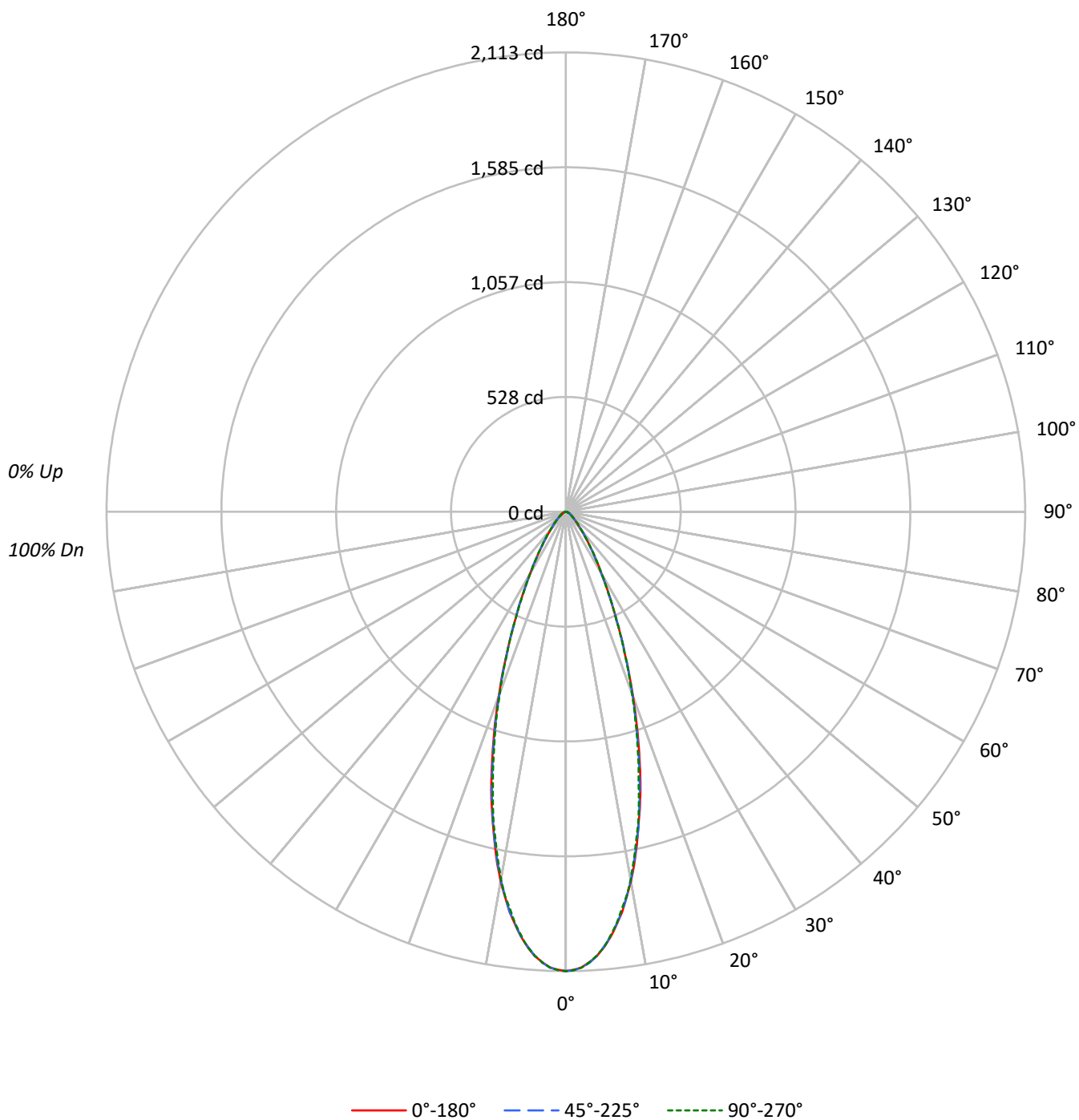
Lumens per Lamp: N/A
Luminaire Lumens: 1042.0 lumens
Efficiency: N/A
Efficacy: 49.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1313582

CATALOG NUMBER: P3SQAS17R359730DE010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1313582

CATALOG NUMBER: P3SQAS17R359730DE010 E3SQPHL1MW

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	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	96	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	363889	363889	363889
5°	347715	347109	347715
10°	301859	300845	300443
15°	236530	234676	230967
20°	165479	163995	162932
25°	105085	105750	105085
30°	64751	65208	64751
35°	40052	40304	40304
40°	25427	25697	25697
45°	17147	17439	17707
50°	12378	12673	12673
55°	9698	9698	9698
60°	7957	7957	7957
65°	7050	7050	7050
70°	6395	6395	6395
75°	5390	5390	5390
80°	4562	4562	4562
85°	2371	2371	4545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 17707 cd/sqm

TEST NUMBER: P1313582

CATALOG NUMBER: P3SQAS17R359730DE010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.6	17.5
10°-20°	359.5	34.5
20°-30°	259.4	24.9
30°-40°	125.1	12.0
40°-50°	57.6	5.5
50°-60°	29.8	2.9
60°-70°	17.2	1.7
70°-80°	8.7	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°	801.5	76.9
0°-40°	926.6	88.9
0°-60°	1014.0	97.3
0°-90°	1042.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1042.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2113	2113	2113	2113	2113	
5°	2011	2016	2008	2009	2011	183
15°	1327	1324	1316	1310	1295	362
25°	553	554	556	556	553	259
35°	190	190	192	192	192	124
45°	70	72	72	73	73	57
55°	32	32	32	32	32	29
65°	17	17	17	17	17	17
75°	8	8	8	8	8	9
85°	1	1	1	1	2	2
90°	0	0	0	0	0	

TEST NUMBER: P1313582

CATALOG NUMBER: P3SQAS17R359730DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2112.9	2112.9	2112.9	2112.9	2112.9
1°	2107.1	2110.5	2109.4	2110.5	2109.4
2°	2096.7	2099.0	2096.7	2097.8	2097.8
3°	2074.8	2077.1	2077.1	2075.9	2074.8
4°	2048.2	2054.0	2048.2	2049.4	2045.9
5°	2011.3	2015.9	2007.8	2008.9	2011.3
6°	1966.2	1967.4	1965.1	1963.9	1961.6
7°	1914.3	1918.9	1910.8	1912.0	1909.7
8°	1858.9	1857.7	1857.7	1853.1	1846.2
9°	1791.9	1796.5	1789.6	1787.3	1788.4
10°	1726.1	1726.1	1720.3	1714.5	1718.0
11°	1651.0	1648.7	1645.3	1637.2	1634.9
12°	1569.1	1573.7	1563.3	1559.8	1551.7
13°	1484.8	1491.7	1487.1	1474.4	1475.5
14°	1406.3	1401.6	1398.2	1395.9	1387.8
15°	1326.6	1324.3	1316.2	1310.4	1295.4
17.5°	1108.4	1110.7	1095.7	1093.4	1087.6
20°	902.9	895.9	894.8	895.9	889.0
22.5°	712.4	719.3	711.2	712.4	707.7
25°	553.0	554.2	556.5	556.5	553.0
27.5°	429.5	429.5	427.2	429.5	426.0
30°	325.6	325.6	327.9	330.2	325.6
32.5°	251.7	251.7	251.7	252.8	254.0
35°	190.5	190.5	191.7	191.7	191.7
37.5°	146.6	147.8	148.9	148.9	148.9
40°	113.1	114.3	114.3	115.5	114.3
42.5°	90.1	90.1	90.1	91.2	91.2
45°	70.4	71.6	71.6	72.7	72.7
47.5°	57.7	57.7	57.7	58.9	58.9
50°	46.2	47.3	47.3	47.3	47.3
52.5°	38.1	38.1	39.3	39.3	39.3
55°	32.3	32.3	32.3	32.3	32.3
57.5°	26.6	27.7	27.7	27.7	27.7
60°	23.1	23.1	23.1	23.1	23.1
62.5°	19.6	19.6	19.6	19.6	19.6
65°	17.3	17.3	17.3	17.3	17.3
67.5°	13.9	15.0	15.0	15.0	15.0
70°	12.7	12.7	12.7	12.7	12.7
72.5°	9.2	10.4	10.4	10.4	10.4
75°	8.1	8.1	8.1	8.1	8.1
77.5°	6.9	5.8	5.8	5.8	6.9
80°	4.6	4.6	4.6	4.6	4.6
82.5°	3.5	3.5	3.5	3.5	3.5
85°	1.2	1.2	1.2	1.2	2.3
87.5°	0.0	0.0	0.0	1.2	1.2



TEST NUMBER: P1313582
CATALOG NUMBER: P3SQAS17R359730DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)