

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: P1312648

Luminaire Tested: P3SQAS17R559727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312648
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R559727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

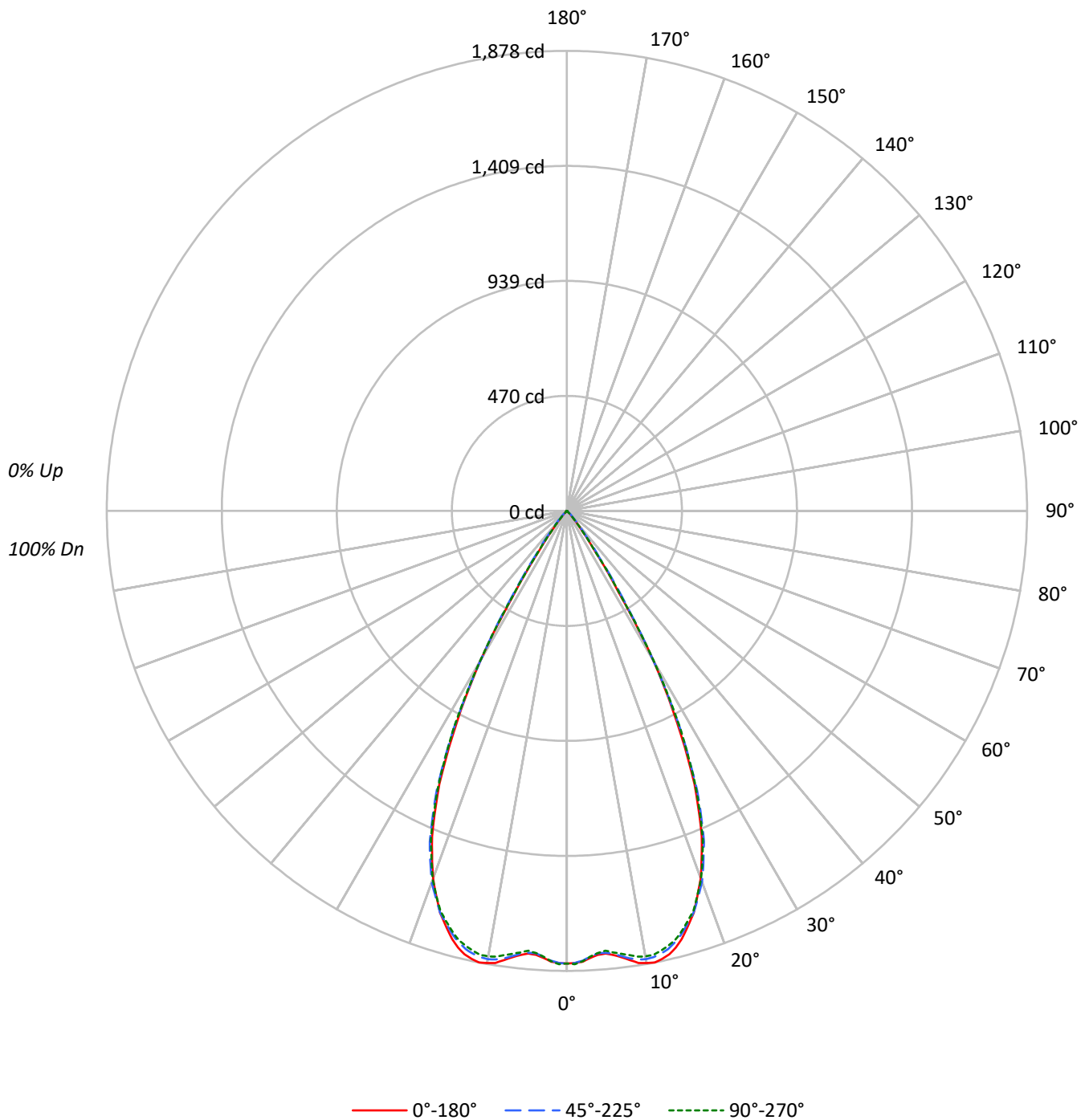
Lumens per Lamp: N/A
Luminaire Lumens: 1417.0 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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			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	112	109	107	105	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	92	91	89
3	104	98	94	90	102	97	93	90	94	91	88		92	89	87		90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86	83	81	79
5	95	88	82	79	94	87	82	78	85	81	78		83	80	77		82	79	76	75
6	91	83	78	74	90	82	77	74	81	76	73		79	76	73		78	75	72	71
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75	71	68	67
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71	68	65	63
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68	64	61	60
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	318233	318233	318233
5°	313674	313121	311634
10°	327847	325031	322950
15°	322737	319849	318512
20°	292654	295605	293442
25°	234018	238940	236678
30°	140339	140339	142050
35°	40556	48020	41902
40°	11623	15737	11623
45°	2630	6040	2630
50°	1152	2009	857
55°	961	961	961
60°	1102	1102	1102
65°	897	897	897
70°	1108	1108	1108
75°	732	732	732
80°	1091	1091	1091
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6040 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.2	12.4
10°-20°	499.4	35.2
20°-30°	550.2	38.8
30°-40°	168.3	11.9
40°-50°	16.7	1.2
50°-60°	3.1	0.2
60°-70°	2.5	0.2
70°-80°	1.4	0.1
80°-90°	0.4	0.0
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°	1224.7	86.4
0°-40°	1393.0	98.3
0°-60°	1412.7	99.7
0°-90°	1417.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1417.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1848	1848	1848	1848	1848	
5°	1814	1814	1811	1806	1803	176
15°	1810	1807	1794	1786	1786	502
25°	1232	1243	1257	1269	1246	543
35°	193	203	228	210	199	158
45°	11	16	25	16	11	13
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1847.8	1847.8	1847.8	1847.8	1847.8
1°	1845.6	1846.7	1845.6	1843.5	1851.0
2°	1841.3	1840.3	1837.0	1836.0	1839.2
3°	1827.3	1827.3	1823.0	1820.9	1821.9
4°	1816.6	1816.6	1810.1	1807.9	1809.0
5°	1814.4	1814.4	1811.2	1805.8	1802.6
6°	1823.0	1825.2	1817.6	1812.2	1812.2
7°	1836.0	1837.0	1831.6	1824.1	1821.9
8°	1852.1	1853.2	1844.6	1836.0	1831.6
9°	1868.3	1866.1	1854.3	1845.6	1842.4
10°	1874.7	1873.7	1858.6	1850.0	1846.7
11°	1878.0	1872.6	1855.3	1847.8	1846.7
12°	1870.4	1866.1	1847.8	1840.3	1837.0
13°	1857.5	1851.0	1836.0	1828.4	1824.1
14°	1837.0	1830.6	1816.6	1807.9	1809.0
15°	1810.1	1806.9	1793.9	1786.4	1786.4
17.5°	1720.7	1722.8	1719.6	1716.4	1714.2
20°	1596.8	1605.4	1612.9	1608.6	1601.1
22.5°	1438.4	1453.5	1462.1	1464.2	1450.2
25°	1231.5	1243.4	1257.4	1269.2	1245.5
27.5°	974.0	984.8	997.7	1005.2	1002.0
30°	705.7	706.8	705.7	719.7	714.3
32.5°	392.2	424.5	429.9	439.6	405.1
35°	192.9	202.6	228.4	210.1	199.3
37.5°	92.7	99.1	123.9	101.3	97.0
40°	51.7	56.0	70.0	58.2	51.7
42.5°	24.8	32.3	37.7	33.4	24.8
45°	10.8	16.2	24.8	16.2	10.8
47.5°	4.3	6.5	15.1	6.5	4.3
50°	4.3	3.2	7.5	3.2	3.2
52.5°	3.2	3.2	4.3	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	3.2
60°	3.2	3.2	3.2	3.2	3.2
62.5°	2.2	3.2	3.2	3.2	2.2
65°	2.2	2.2	2.2	2.2	2.2
67.5°	2.2	2.2	2.2	2.2	2.2
70°	2.2	2.2	2.2	2.2	2.2
72.5°	1.1	2.2	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)