

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: P1312873

Luminaire Tested: P3SQAS02R159730DE010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312873
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R159730DE010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

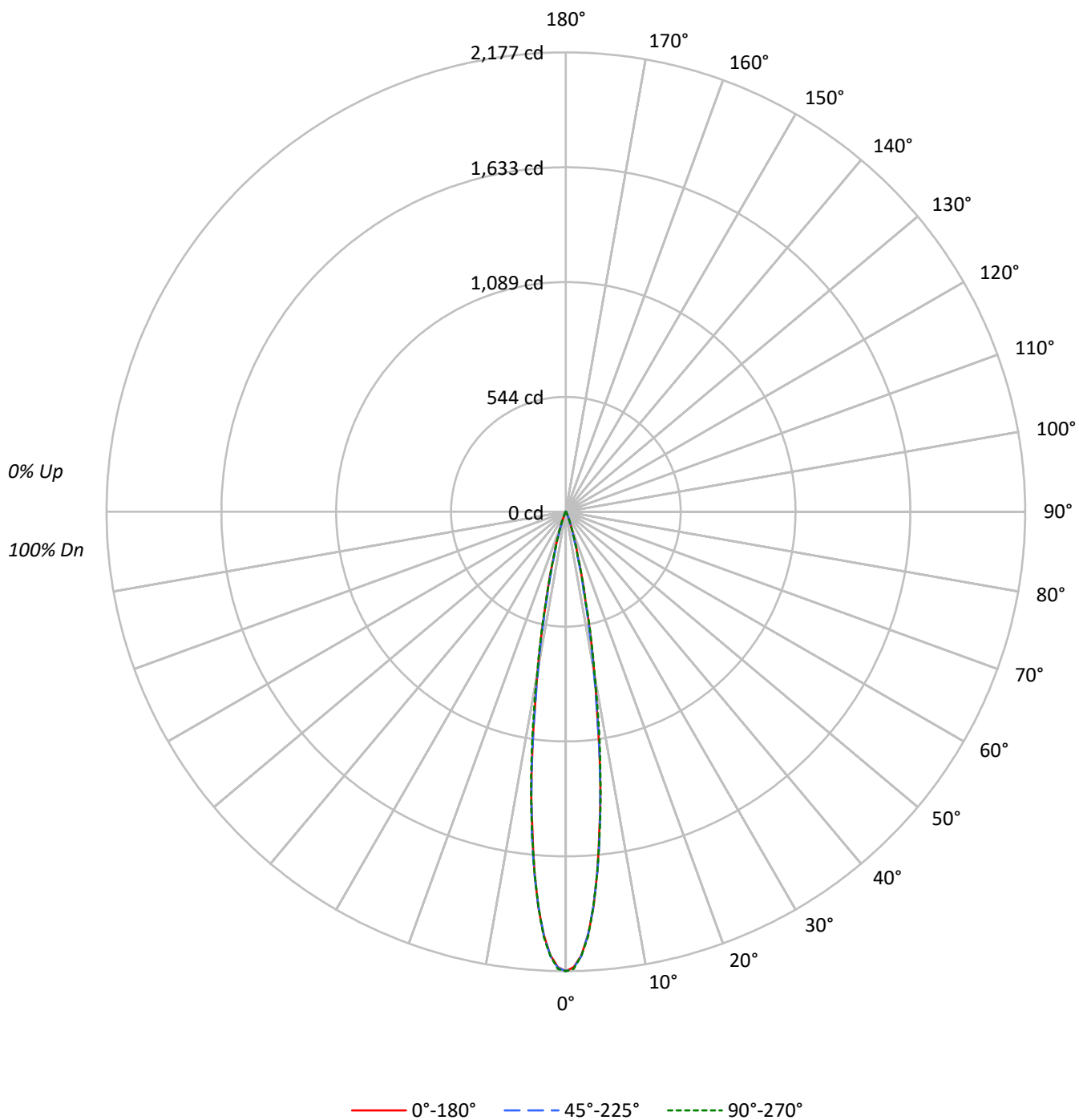
Lumens per Lamp: N/A
Luminaire Lumens: 218.0 lumens
Efficiency: N/A
Efficacy: 60.6 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1312873

CATALOG NUMBER: P3SQAS02R159730DE010 E3SQPH1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1312873

CATALOG NUMBER: P3SQAS02R159730DE010 E3SQPH1MB

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	116	114	112	111	113	112	110	109	108	107	106		104	104	103		101
2	113	110	107	105	111	108	106	104	105	104	102		102	101	100		100
3	110	107	104	101	109	105	103	100	103	101	99		101	99	97		99
4	108	104	100	98	106	103	100	98	101	98	96		99	97	95		97
5	106	101	98	95	104	100	97	95	99	96	94		97	95	94		96
6	104	99	96	93	103	98	95	93	97	94	92		96	94	92		95
7	102	97	94	91	101	96	93	91	95	93	91		94	92	90		94
8	100	95	92	90	99	95	92	90	94	91	89		93	91	89		92
9	98	93	90	88	98	93	90	88	92	90	88		92	89	88		91
10	97	92	89	87	96	92	89	87	91	88	87		90	88	86		90

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	374963	374963	374963
5°	295764	296559	295505
10°	135322	131772	138172
15°	40242	35927	39422
20°	11950	11583	12554
25°	3401	4390	3934
30°	1213	1293	1173
35°	463	420	420
40°	202	90	157
45°	97	49	97
50°	54	0	54
55°	60	0	60
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 102 cd/sqm

TEST NUMBER: P1312873

CATALOG NUMBER: P3SQAS02R159730DE010 E3SQPH1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.5	60.3
10°-20°	73.0	33.5
20°-30°	11.6	5.3
30°-40°	1.5	0.7
40°-50°	0.2	0.1
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	216.2	99.2
0°-40°	217.7	99.9
0°-60°	218.0	100.0
0°-90°	218.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	218.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2177	2177	2177	2177	2177	
5°	1711	1725	1715	1708	1709	131
15°	226	223	202	214	221	74
25°	18	20	23	23	21	11
35°	2	2	2	2	2	2
45°	0	0	0	0	0	0
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1312873

CATALOG NUMBER: P3SQAS02R159730DE010 E3SQPH1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2177.2	2177.2	2177.2	2177.2	2177.2	2177.2	2177.2	2177.2	2177.2	2177.2	2177.2
1°	2158.4	2160.8	2163.9	2161.0	2158.4	2160.8	2157.5	2158.0	2155.4	2161.0	2167.3
2°	2103.5	2106.5	2104.8	2100.9	2107.0	2107.4	2100.6	2097.4	2096.9	2102.6	2104.8
3°	2006.2	2013.2	2013.4	2012.1	2010.2	2006.2	1999.3	2003.8	1997.5	1993.6	2015.8
4°	1876.9	1883.0	1890.2	1885.4	1871.1	1872.4	1876.9	1861.5	1862.3	1871.3	1871.9
5°	1710.8	1729.3	1730.2	1723.5	1712.1	1715.4	1712.1	1707.8	1709.3	1715.0	1709.3
6°	1515.2	1536.2	1520.7	1535.5	1532.3	1536.4	1537.5	1532.9	1536.2	1532.7	1531.6
7°	1346.3	1330.4	1332.5	1326.4	1333.0	1337.3	1340.0	1332.1	1338.4	1348.5	1351.3
8°	1136.8	1132.2	1127.6	1138.5	1135.5	1140.7	1144.0	1152.7	1152.2	1155.3	1165.3
9°	937.3	944.0	948.2	938.6	946.9	930.7	936.4	959.7	953.6	959.7	977.6
10°	773.8	779.2	773.1	772.9	764.2	753.5	752.8	761.5	779.9	794.3	790.1
12.5°	426.9	431.7	432.3	431.9	416.2	398.5	401.8	408.8	420.1	424.9	432.8
15°	225.7	225.4	227.8	221.1	212.8	201.5	202.3	211.9	220.4	222.6	221.1
17.5°	115.8	116.2	117.9	116.2	107.5	108.6	111.0	112.1	117.1	119.0	117.9
20°	65.2	65.4	65.2	65.8	62.4	63.2	66.3	66.5	67.6	68.7	68.5
22.5°	37.3	37.5	38.8	38.4	37.5	38.6	39.2	40.3	40.8	40.3	41.6
25°	17.9	18.1	18.1	20.7	22.0	23.1	23.5	23.1	22.7	20.9	20.7
27.5°	10.2	10.2	10.7	10.9	11.3	13.3	13.1	10.9	9.2	9.2	9.4
30°	6.1	5.9	5.9	6.1	6.3	6.5	6.1	5.9	5.9	6.1	5.9
32.5°	3.7	3.7	3.7	3.5	3.5	3.3	3.3	3.7	3.7	3.7	3.7
35°	2.2	2.2	2.2	2.2	2.0	2.0	2.0	2.2	2.2	2.0	2.0
37.5°	1.3	1.3	1.3	1.1	1.1	0.9	1.1	1.1	1.1	1.1	1.1
40°	0.9	0.9	0.7	0.7	0.4	0.4	0.4	0.7	0.7	0.7	0.7
42.5°	0.7	0.7	0.4	0.4	0.2	0.2	0.2	0.4	0.4	0.4	0.4
45°	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
47.5°	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.2	0.2
50°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
52.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
55°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)