

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: P1315619

Luminaire Tested: P3SQAS20R159740D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315619
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R159740D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

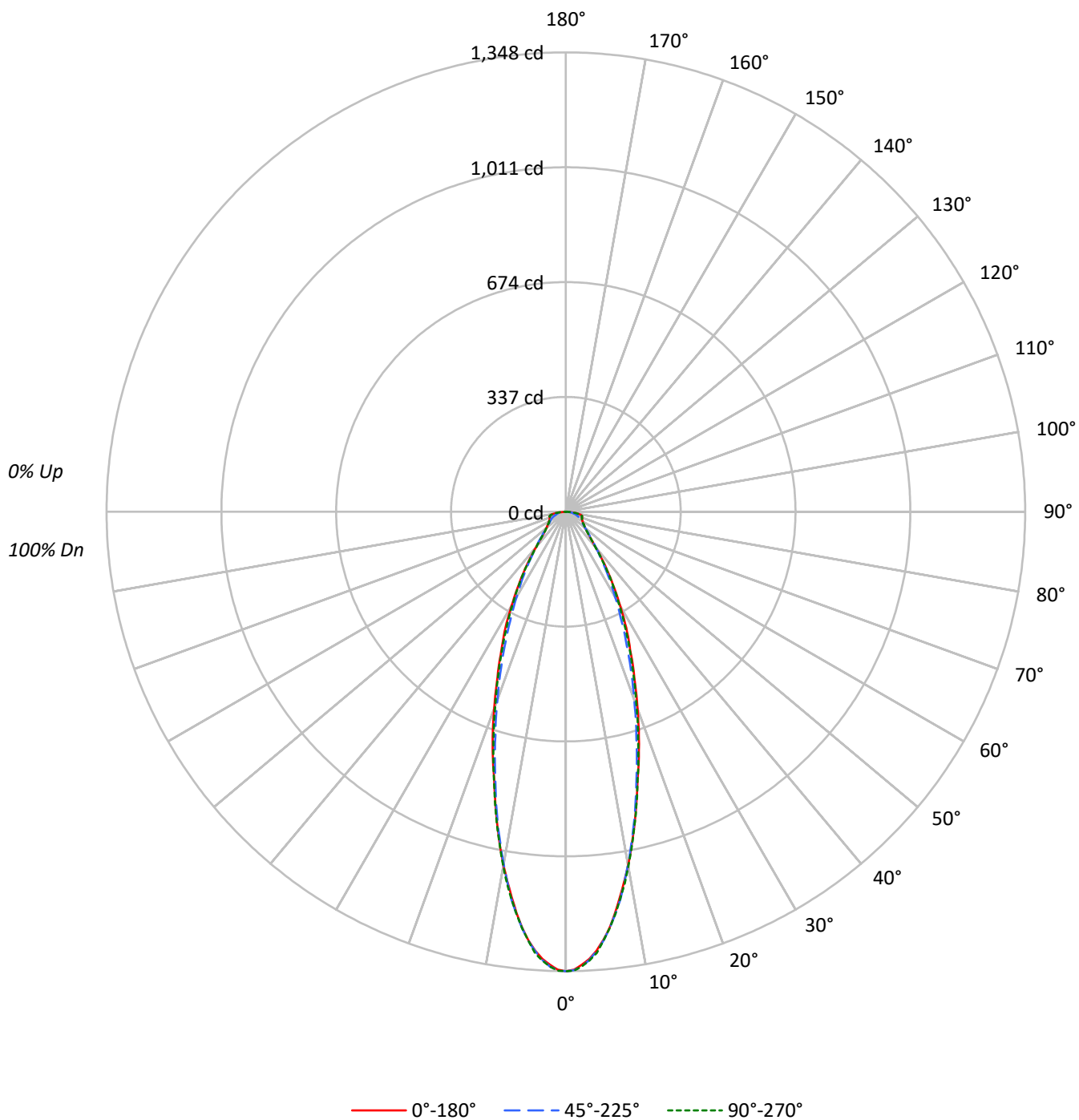
Lumens per Lamp: N/A
Luminaire Lumens: 904.0 lumens
Efficiency: N/A
Efficacy: 31.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1315619

CATALOG NUMBER: P3SQAS20R159740D010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315619

CATALOG NUMBER: P3SQAS20R159740D010 E3SQPHLP1MW

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	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	69	64		72	68	64		71
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67
7	78	68	61	56	77	67	60	56	66	60	56		64	59	55		63
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	232242	232242	232242
5°	218123	218400	218400
10°	184253	183676	184813
15°	144903	142852	145188
20°	112604	107509	111102
25°	84999	79089	83764
30°	63219	57671	61907
35°	45119	42028	44446
40°	30576	30935	30216
45°	22748	23942	22748
50°	19747	19747	19747
55°	19187	18196	19187
60°	19737	18049	19186
65°	21354	18705	21354
70°	25580	18984	25580
75°	32739	19630	32739
80°	40663	21125	38977
85°	32407	19365	35569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 40663 cd/sqm

TEST NUMBER: P1315619

CATALOG NUMBER: P3SQAS20R159740D010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.7	12.6
10°-20°	224.8	24.9
20°-30°	198.7	22.0
30°-40°	130.5	14.4
40°-50°	76.3	8.4
50°-60°	56.2	6.2
60°-70°	47.9	5.3
70°-80°	39.5	4.4
80°-90°	16.4	1.8
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°	537.3	59.4
0°-40°	667.8	73.9
0°-60°	800.3	88.5
0°-90°	904.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	904.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1348	1348	1348	1348	1348	
5°	1262	1262	1263	1265	1263	113
15°	813	813	801	811	814	227
25°	447	433	416	428	441	207
35°	215	206	200	205	211	135
45°	93	95	98	95	93	75
55°	64	62	61	62	64	58
65°	52	48	46	48	52	52
75°	49	36	30	38	49	50
85°	16	18	10	16	18	18
90°	0	0	0	0	0	

TEST NUMBER: P1315619

CATALOG NUMBER: P3SQAS20R159740D010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1348.5	1348.5	1348.5	1348.5	1348.5
1°	1343.6	1345.2	1345.2	1346.9	1346.9
2°	1330.5	1333.7	1335.4	1335.4	1335.4
3°	1314.1	1315.7	1317.4	1319.0	1319.0
4°	1291.1	1292.8	1292.8	1296.1	1297.7
5°	1261.7	1261.7	1263.3	1264.9	1263.3
6°	1227.2	1227.2	1228.9	1228.9	1228.9
7°	1186.3	1187.9	1189.6	1191.2	1189.6
8°	1142.0	1143.7	1148.6	1148.6	1147.0
9°	1097.8	1099.4	1099.4	1104.4	1104.4
10°	1053.6	1053.6	1050.3	1053.6	1056.8
12.5°	934.0	932.3	927.4	932.3	935.6
15°	812.7	812.7	801.2	811.1	814.3
17.5°	714.4	699.6	688.2	698.0	706.2
20°	614.4	599.7	586.6	596.4	606.2
22.5°	524.3	512.9	496.5	506.3	517.8
25°	447.3	432.6	416.2	427.7	440.8
27.5°	383.4	363.7	347.4	360.5	371.9
30°	317.9	304.8	290.0	299.8	311.3
32.5°	262.2	252.3	240.9	249.1	258.9
35°	214.6	206.5	199.9	204.8	211.4
37.5°	172.0	168.8	165.5	167.1	167.1
40°	136.0	137.6	137.6	137.6	134.4
42.5°	111.4	113.1	116.3	113.1	111.4
45°	93.4	95.0	98.3	95.0	93.4
47.5°	81.9	83.6	85.2	81.9	81.9
50°	73.7	73.7	73.7	73.7	73.7
52.5°	68.8	67.2	67.2	67.2	68.8
55°	63.9	62.3	60.6	62.3	63.9
57.5°	59.0	57.3	55.7	57.3	59.0
60°	57.3	54.1	52.4	54.1	55.7
62.5°	54.1	50.8	49.2	50.8	54.1
65°	52.4	47.5	45.9	47.5	52.4
67.5°	50.8	44.2	41.0	44.2	50.8
70°	50.8	41.0	37.7	42.6	50.8
72.5°	49.2	39.3	32.8	39.3	49.2
75°	49.2	36.0	29.5	37.7	49.2
77.5°	45.9	32.8	24.6	34.4	45.9
80°	41.0	29.5	21.3	31.1	39.3
82.5°	29.5	24.6	16.4	24.6	29.5
85°	16.4	18.0	9.8	16.4	18.0
87.5°	1.6	4.9	3.3	9.8	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)