

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: P1315661

Luminaire Tested: P3SQAS20R309740D010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315661
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309740D010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

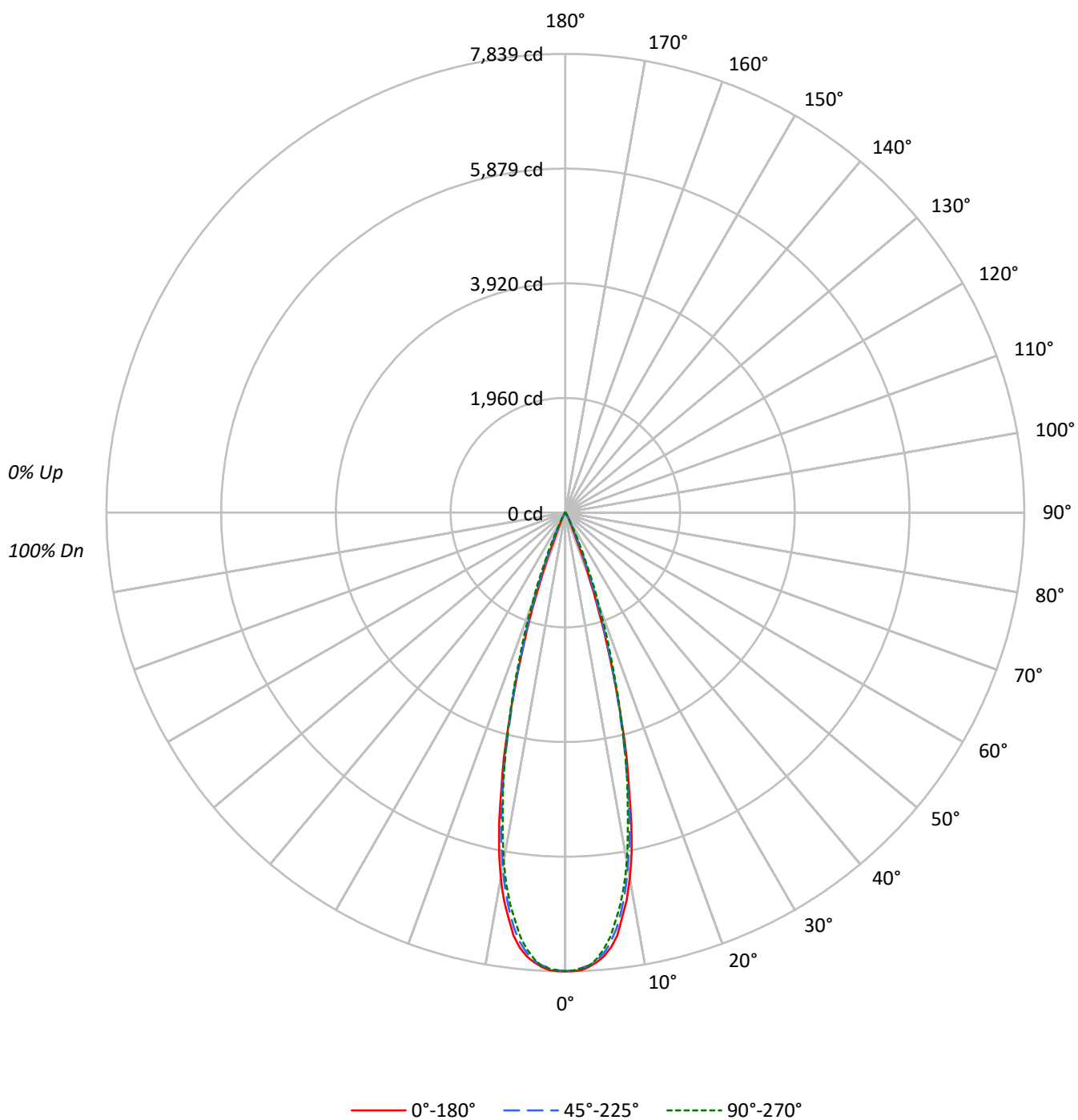
Lumens per Lamp: N/A
Luminaire Lumens: 1899.0 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1315661

CATALOG NUMBER: P3SQAS20R309740D010 E3SQPH1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1315661

CATALOG NUMBER: P3SQAS20R309740D010 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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	84	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82	82	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	80	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1349743	1349743	1349743
5°	1314998	1305939	1295186
10°	1109750	1075666	1058213
15°	668760	650074	662056
20°	226840	261956	302166
25°	41692	65331	77151
30°	14318	15949	17898
35°	4121	5172	5508
40°	1102	1844	1461
45°	390	390	390
50°	429	0	429
55°	0	0	0
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: 52.5°

Luminance: 453 cd/sqm

TEST NUMBER: P1315661

CATALOG NUMBER: P3SQAS20R309740D010 E3SQPH1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	677.7	35.7
10°-20°	990.4	52.2
20°-30°	209.6	11.0
30°-40°	19.3	1.0
40°-50°	1.8	0.1
50°-60°	0.1	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°	1877.7	98.9
0°-40°	1897.0	99.9
0°-60°	1899.0	100.0
0°-90°	1899.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1899.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7837	7837	7837	7837	7837	
5°	7606	7592	7554	7531	7492	687
15°	3751	3738	3646	3731	3713	989
25°	219	246	344	404	406	160
35°	20	25	25	30	26	16
45°	2	2	2	2	2	2
55°	0	0	0	0	0	1
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: P1315661

CATALOG NUMBER: P3SQAS20R309740D010 E3SQPH1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7837.2	7837.2	7837.2	7837.2	7837.2
1°	7838.9	7830.7	7819.2	7835.6	7824.2
2°	7822.5	7802.9	7786.5	7802.9	7798.0
3°	7773.4	7757.0	7745.6	7753.8	7753.8
4°	7699.7	7681.7	7671.9	7673.5	7649.0
5°	7606.4	7591.7	7554.0	7531.1	7491.8
6°	7468.9	7432.9	7387.0	7349.4	7298.6
7°	7282.2	7226.6	7161.1	7095.6	7031.7
8°	6982.6	6956.4	6868.0	6823.8	6760.0
9°	6701.0	6637.2	6542.2	6470.2	6435.8
10°	6345.8	6250.8	6150.9	6093.6	6051.1
11°	5925.0	5828.4	5748.2	5664.7	5599.2
12°	5430.6	5348.7	5257.0	5201.4	5124.4
13°	4844.5	4833.0	4729.9	4711.8	4702.0
14°	4341.8	4296.0	4194.5	4222.3	4228.9
15°	3750.8	3737.7	3646.0	3731.2	3713.2
17.5°	2349.4	2354.3	2411.6	2545.8	2588.4
20°	1237.7	1275.4	1429.3	1591.4	1648.7
22.5°	501.0	584.5	741.6	851.3	925.0
25°	219.4	245.6	343.8	404.4	406.0
27.5°	124.4	126.1	165.4	171.9	175.2
30°	72.0	73.7	80.2	85.1	90.0
32.5°	39.3	42.6	44.2	50.8	50.8
35°	19.6	24.6	24.6	29.5	26.2
37.5°	11.5	13.1	14.7	14.7	13.1
40°	4.9	6.5	8.2	8.2	6.5
42.5°	1.6	3.3	3.3	3.3	4.9
45°	1.6	1.6	1.6	1.6	1.6
47.5°	1.6	1.6	0.0	1.6	1.6
50°	1.6	0.0	0.0	0.0	1.6
52.5°	1.6	0.0	0.0	0.0	1.6
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1315661

CATALOG NUMBER: P3SQAS20R309740D010 E3SQPH1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)