

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: P1317454

Luminaire Tested: P3SQAS20R459830D010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317454
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R459830D010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 98CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

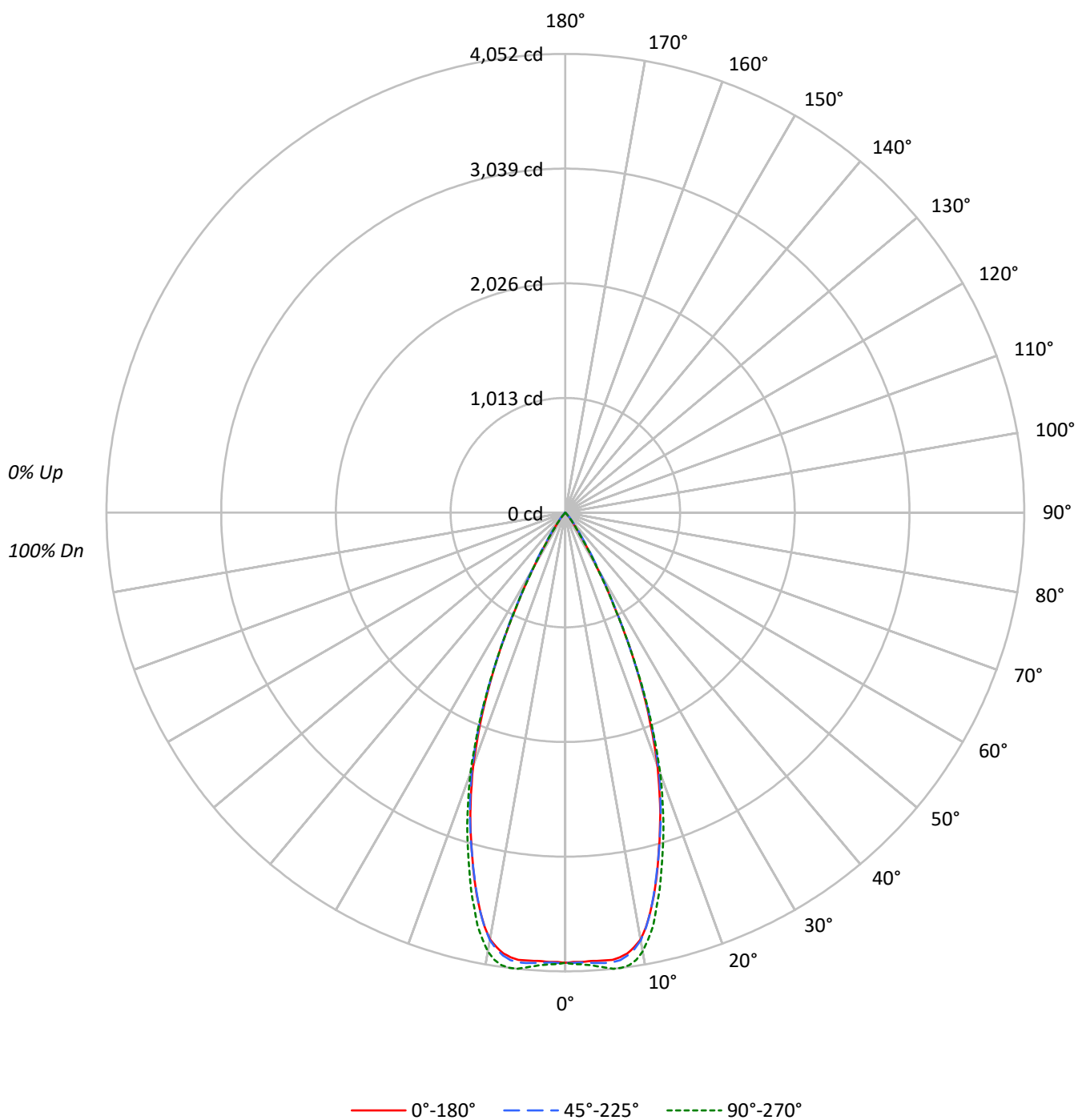
Lumens per Lamp: N/A
Luminaire Lumens: 2056.0 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1317454

CATALOG NUMBER: P3SQAS20R459830D010 E3SQCD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1317454

CATALOG NUMBER: P3SQAS20R459830D010 E3SQCD1MMS

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	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	684878	684878	684878
5°	686422	690398	697262
10°	669246	670575	688221
15°	564616	564884	583409
20°	435847	442006	449282
25°	270389	270674	272422
30°	111544	118524	109714
35°	34711	42406	33408
40°	10657	14771	9960
45°	755	5578	755
50°	0	831	0
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: 45°

Vertical Angle: 45°

Luminance: 5578 cd/sqm

TEST NUMBER: P1317454

CATALOG NUMBER: P3SQAS20R459830D010 E3SQCD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.5	18.4
10°-20°	880.0	42.8
20°-30°	645.5	31.4
30°-40°	138.7	6.7
40°-50°	13.2	0.6
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°	1904.0	92.6
0°-40°	2042.7	99.4
0°-60°	2056.0	100.0
0°-90°	2056.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2056.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3977	3977	3977	3977	3977	
5°	3970	3981	3994	4021	4033	375
15°	3167	3160	3168	3219	3272	872
25°	1423	1418	1424	1424	1434	638
35°	165	177	202	173	159	130
45°	3	9	23	9	3	8
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: P1317454

CATALOG NUMBER: P3SQAS20R459830D010 E3SQCD1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3976.7	3976.7	3976.7	3976.7	3976.7
1°	3969.0	3978.2	3978.2	3984.3	3987.4
2°	3972.1	3978.2	3976.7	3987.4	3991.9
3°	3967.5	3978.2	3981.2	3993.5	4001.1
4°	3969.0	3978.2	3987.4	4005.7	4016.4
5°	3970.5	3981.2	3993.5	4021.0	4033.2
6°	3972.1	3979.7	3993.5	4028.6	4051.6
7°	3956.8	3967.5	3982.8	4027.1	4051.6
8°	3932.3	3938.5	3950.7	4008.8	4037.8
9°	3886.5	3885.0	3903.3	3967.5	4001.1
10°	3826.9	3808.5	3834.5	3898.7	3935.4
11°	3730.6	3710.7	3733.7	3802.4	3837.6
12°	3605.3	3605.3	3609.9	3671.0	3732.1
13°	3472.3	3457.0	3466.2	3535.0	3577.8
14°	3325.6	3310.3	3319.5	3371.5	3438.7
15°	3166.7	3160.5	3168.2	3218.6	3272.1
17.5°	2789.2	2775.4	2802.9	2853.4	2880.9
20°	2378.1	2401.0	2411.7	2443.8	2451.4
22.5°	1905.8	1930.3	1945.5	1950.1	1954.7
25°	1422.9	1418.3	1424.4	1424.4	1433.6
27.5°	935.3	935.3	952.1	941.4	930.7
30°	560.9	583.8	596.0	576.2	551.7
32.5°	305.7	328.6	348.5	319.4	298.0
35°	165.1	177.3	201.7	172.7	158.9
37.5°	90.2	100.9	116.2	97.8	90.2
40°	47.4	58.1	65.7	58.1	44.3
42.5°	15.3	29.0	38.2	29.0	13.8
45°	3.1	9.2	22.9	9.2	3.1
47.5°	0.0	1.5	10.7	1.5	0.0
50°	0.0	0.0	3.1	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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: P1317454

CATALOG NUMBER: P3SQAS20R459830D010 E3SQCD1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)