

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: P1316488

Luminaire Tested: P3SQAS20R159827D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316488
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R159827D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

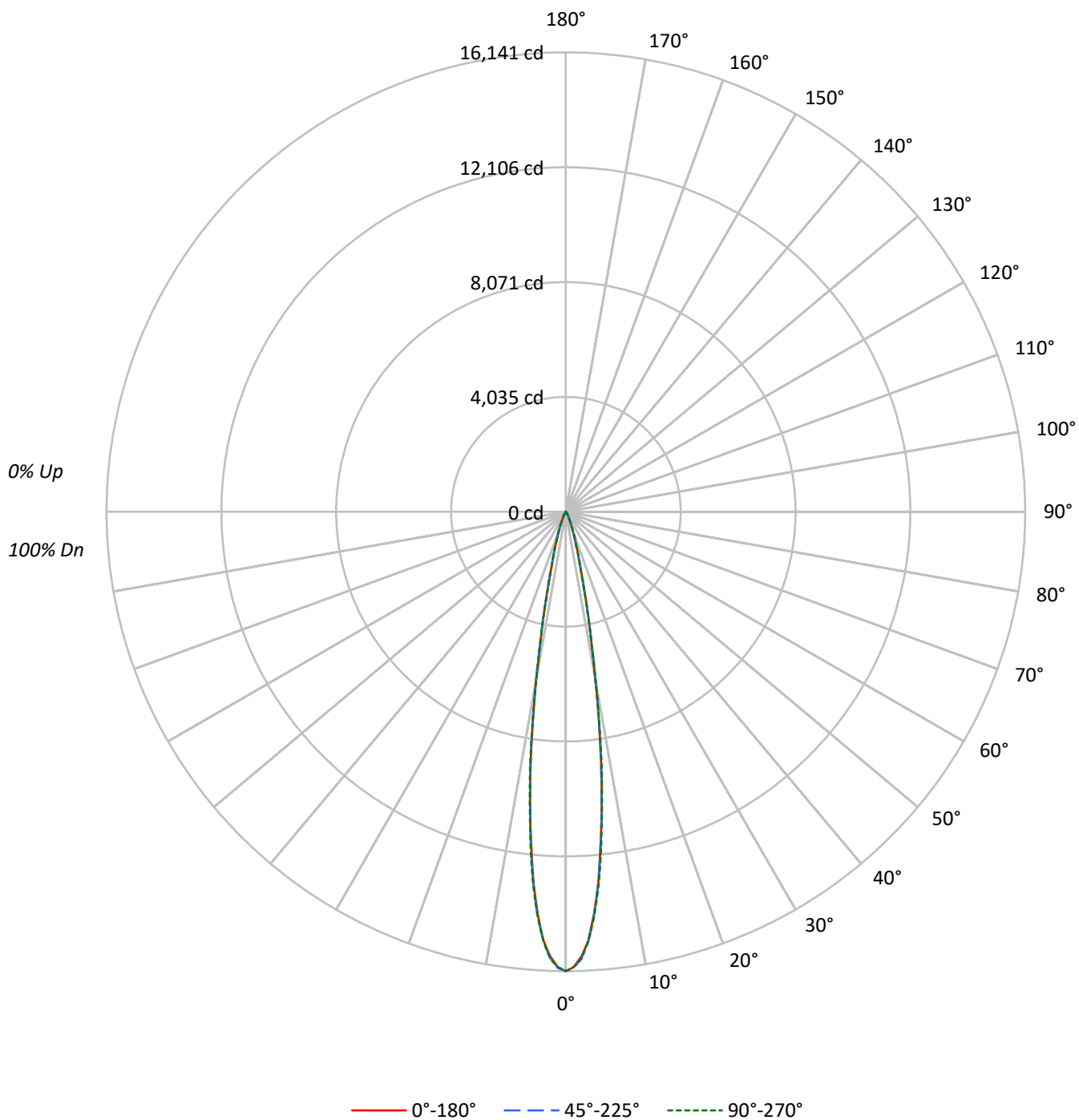
Lumens per Lamp: N/A
Luminaire Lumens: 1811.9 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1316488

CATALOG NUMBER: P3SQAS20R159827D010 E3SQCD1MW

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
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	105		104	103	102		101
2	112	109	107	105	110	108	105	103	105	103	101		102	100	99		99
3	110	106	103	100	108	104	102	99	102	100	98		100	98	96		98
4	107	102	99	97	106	101	98	96	100	97	95		98	96	94		96
5	105	100	96	94	103	99	96	93	97	95	93		96	94	92		95
6	102	97	94	91	101	97	93	91	95	92	90		94	92	90		93
7	100	95	92	89	99	94	91	89	93	91	89		92	90	88		92
8	98	93	90	87	98	93	89	87	92	89	87		91	88	87		90
9	97	91	88	86	96	91	88	85	90	87	85		89	87	85		89
10	95	89	86	84	94	89	86	84	89	86	84		88	85	84		87

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2779811	2779811	2779811
5°	2260395	2268261	2276127
10°	1052704	1053701	1047965
15°	325715	337375	331046
20°	129851	137163	128293
25°	54348	64077	51630
30°	22074	29432	20364
35°	7169	13456	6581
40°	2563	5441	2563
45°	1047	1729	1047
50°	750	1152	750
55°	841	841	841
60°	964	964	964
65°	571	571	571
70°	705	705	705
75°	932	932	932
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1729 cd/sqm

TEST NUMBER: P1316488

CATALOG NUMBER: P3SQAS20R159827D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1010.3	55.8
10°-20°	604.1	33.3
20°-30°	153.7	8.5
30°-40°	33.4	1.8
40°-50°	5.4	0.3
50°-60°	2.6	0.1
60°-70°	1.6	0.1
70°-80°	0.9	0.1
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°	1768.1	97.6
0°-40°	1801.5	99.4
0°-60°	1809.4	99.9
0°-90°	1811.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1811.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16141	16141	16141	16141	16141	
5°	13075	13093	13120	13061	13166	1008
15°	1827	1878	1892	1865	1857	601
25°	286	306	337	299	272	145
35°	34	44	64	43	31	27
45°	4	6	7	6	4	4
55°	3	3	3	3	3	3
65°	1	1	1	1	1	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1316488

CATALOG NUMBER: P3SQAS20R159827D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16140.8	16140.8	16140.8	16140.8	16140.8
1°	16000.0	16027.0	16031.3	16027.0	16004.3
2°	15640.0	15719.7	15702.6	15668.5	15716.9
3°	15083.8	15123.6	15117.9	15120.7	15109.4
4°	14178.9	14248.6	14208.8	14238.7	14241.5
5°	13074.9	13093.4	13120.4	13060.6	13165.9
6°	11716.2	11834.2	11730.4	11832.8	11874.1
7°	10334.7	10403.0	10270.7	10341.8	10384.5
8°	8921.9	8802.4	8875.0	8876.4	9017.2
9°	7396.8	7420.9	7482.1	7412.4	7473.6
10°	6019.6	6075.0	6025.3	6001.1	5992.5
11°	4753.3	4815.9	4811.7	4818.8	4771.8
12°	3824.3	3791.6	3812.9	3743.2	3774.5
13°	2976.3	2977.8	2960.7	2932.2	2906.6
14°	2331.9	2317.6	2357.5	2321.9	2289.2
15°	1826.8	1878.0	1892.2	1865.2	1856.7
17.5°	1126.8	1128.2	1148.1	1122.5	1119.7
20°	708.5	725.6	748.4	721.3	700.0
22.5°	448.2	463.8	499.4	465.2	435.4
25°	286.0	305.9	337.2	298.8	271.7
27.5°	179.3	197.8	227.6	192.1	172.2
30°	111.0	123.8	148.0	120.9	102.4
32.5°	64.0	76.8	96.7	72.6	61.2
35°	34.1	44.1	64.0	42.7	31.3
37.5°	19.9	25.6	41.3	22.8	18.5
40°	11.4	15.7	24.2	14.2	11.4
42.5°	7.1	10.0	11.4	8.5	5.7
45°	4.3	5.7	7.1	5.7	4.3
47.5°	2.8	4.3	5.7	2.8	2.8
50°	2.8	2.8	4.3	2.8	2.8
52.5°	2.8	2.8	2.8	2.8	2.8
55°	2.8	2.8	2.8	2.8	2.8
57.5°	2.8	2.8	2.8	2.8	2.8
60°	2.8	2.8	2.8	2.8	2.8
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
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: P1316488

CATALOG NUMBER: P3SQAS20R159827D010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)