

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: P1307145

Luminaire Tested: P3SQAS20R159027D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307145
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R159027D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

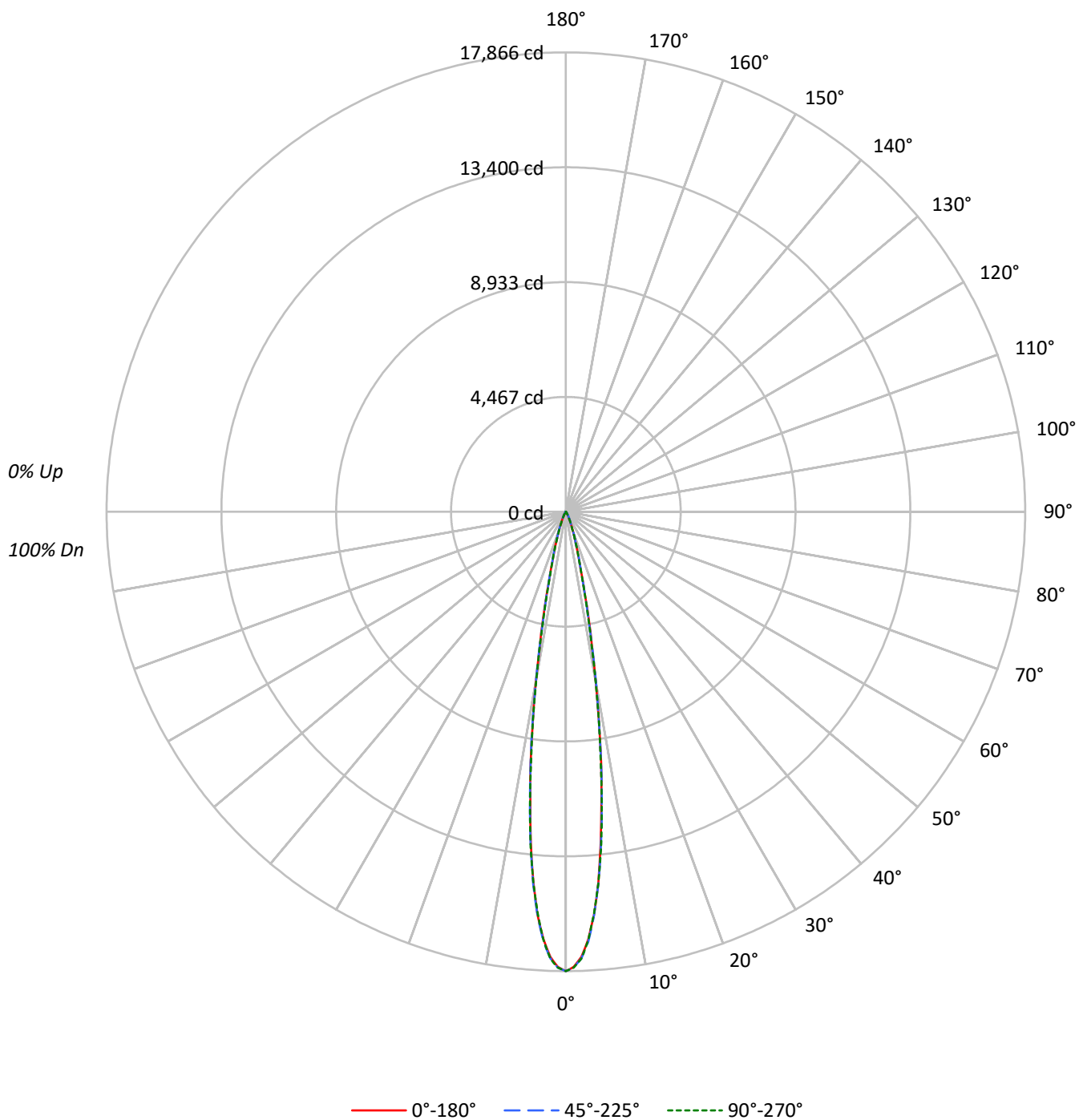
Lumens per Lamp: N/A
Luminaire Lumens: 1994.0 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307145

CATALOG NUMBER: P3SQAS20R159027D010 E3SQCD1MB

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	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	97	94	92	102	97	94	91	96	93	91		94	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	88		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		90
9	97	91	88	86	96	91	88	86	90	88	86		90	87	85		89
10	95	90	87	84	95	90	86	84	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3076964	3076964	3076964
5°	2505211	2513389	2508496
10°	1168632	1179107	1164207
15°	366973	370075	367811
20°	145392	151184	140774
25°	58737	71032	56647
30°	23526	32296	22273
35°	6959	14255	6623
40°	2136	5328	1776
45°	390	1145	390
50°	0	429	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: 1145 cd/sqm

TEST NUMBER: P1307145

CATALOG NUMBER: P3SQAS20R159027D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1118.6	56.1
10°-20°	669.0	33.6
20°-30°	168.7	8.5
30°-40°	34.4	1.7
40°-50°	3.2	0.2
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°	1956.3	98.1
0°-40°	1990.8	99.8
0°-60°	1994.0	100.0
0°-90°	1994.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1994.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17866	17866	17866	17866	17866	
5°	14491	14464	14538	14502	14510	1115
15°	2058	2076	2076	2046	2063	669
25°	309	338	374	331	298	159
35°	33	44	68	43	32	27
45°	2	3	5	3	2	2
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: P1307145

CATALOG NUMBER: P3SQAS20R159027D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17866.2	17866.2	17866.2	17866.2	17866.2
1°	17705.3	17765.2	17733.7	17758.9	17730.5
2°	17322.0	17402.5	17377.2	17369.4	17391.4
3°	16647.0	16740.1	16736.9	16713.3	16675.4
4°	15726.0	15688.1	15746.5	15740.1	15675.5
5°	14491.0	14464.2	14538.3	14502.1	14510.0
6°	12980.1	13096.8	13071.6	13074.7	13104.7
7°	11357.2	11420.3	11473.9	11518.1	11456.6
8°	9866.8	9851.0	9855.7	9906.2	9735.9
9°	8198.1	8295.9	8232.8	8131.9	8196.5
10°	6682.5	6742.4	6742.4	6654.1	6657.2
11°	5327.7	5376.6	5341.9	5364.0	5225.2
12°	4294.6	4173.2	4144.8	4166.9	4165.3
13°	3278.9	3286.8	3278.9	3277.4	3261.6
14°	2570.8	2611.8	2594.4	2551.9	2532.9
15°	2058.2	2075.6	2075.6	2045.6	2062.9
17.5°	1236.5	1257.0	1261.7	1241.2	1241.2
20°	793.3	802.8	824.9	794.9	768.1
22.5°	488.9	509.4	547.3	503.1	481.0
25°	309.1	337.5	373.8	331.2	298.1
27.5°	194.0	217.6	249.2	208.2	187.7
30°	118.3	134.1	162.4	130.9	112.0
32.5°	66.2	78.9	102.5	75.7	63.1
35°	33.1	44.2	67.8	42.6	31.5
37.5°	18.9	23.7	42.6	20.5	17.3
40°	9.5	12.6	23.7	12.6	7.9
42.5°	3.2	6.3	9.5	6.3	3.2
45°	1.6	3.2	4.7	3.2	1.6
47.5°	0.0	0.0	1.6	0.0	0.0
50°	0.0	0.0	1.6	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: P1307145

CATALOG NUMBER: P3SQAS20R159027D010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)