

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: P1307152

Luminaire Tested: P3SQAS20R159027D010 E3SQPHL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307152
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R159027D010 E3SQPHL1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQPHL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

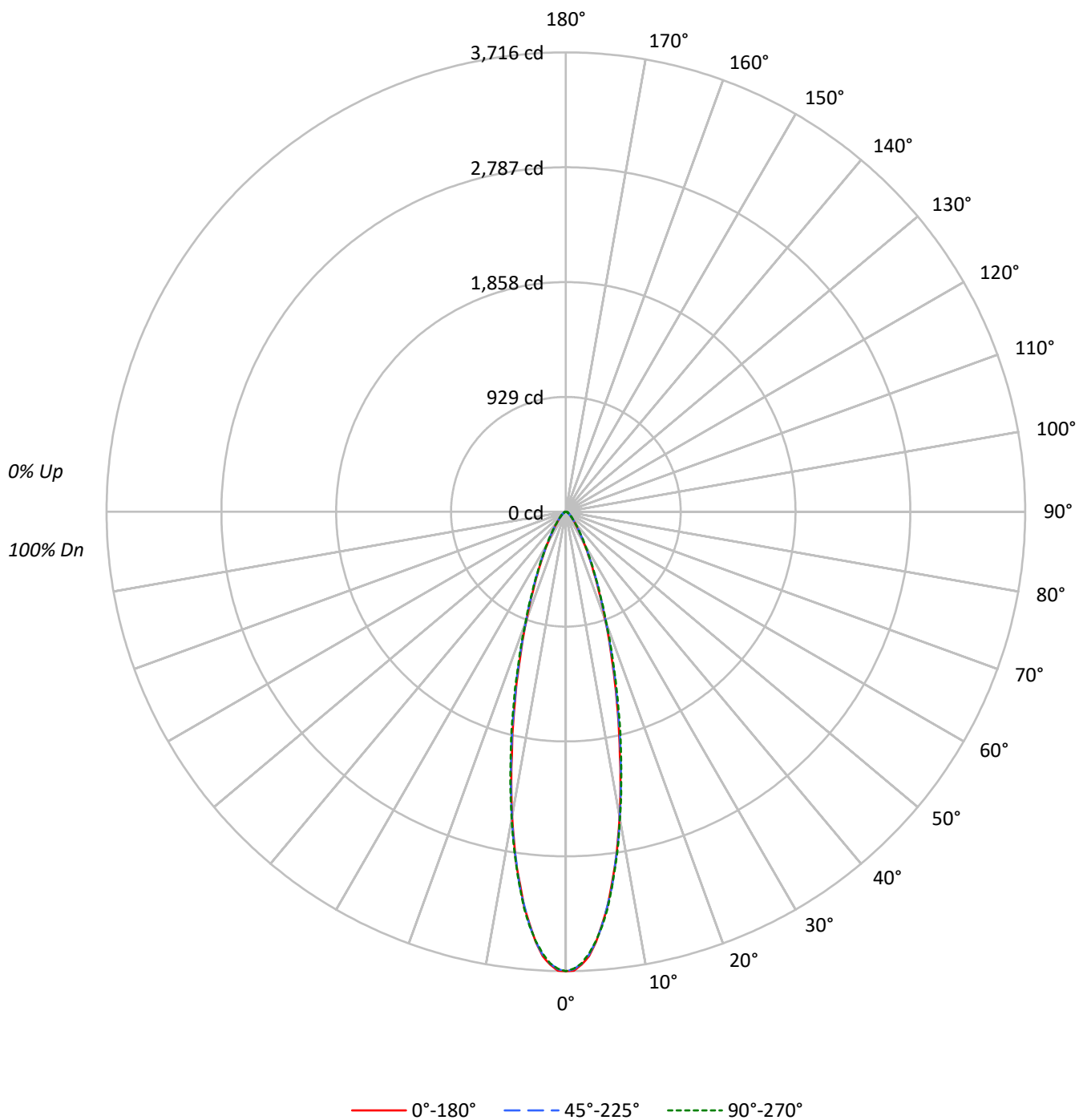
Lumens per Lamp: N/A
Luminaire Lumens: 1229.0 lumens
Efficiency: N/A
Efficacy: 42.7 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307152

CATALOG NUMBER: P3SQAS20R159027D010 E3SQPHL1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1307152

CATALOG NUMBER: P3SQAS20R159027D010 E3SQPHL1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94		97	94	92		94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86	83	81	80
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83	79	77	76
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79	76	73	72
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76	73	70	69
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74	70	67	66
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71	67	65	64
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	640048	640048	640048
5°	579755	580844	581656
10°	437706	438808	441011
15°	283904	287006	292623
20°	170941	172957	175266
25°	99859	101968	103451
30°	58685	60574	61509
35°	36162	37487	38159
40°	23764	24483	24843
45°	16538	16903	17293
50°	12271	12673	13102
55°	9939	10419	10419
60°	8680	8680	8680
65°	7702	7702	7702
70°	6345	7150	7150
75°	6321	6321	6321
80°	4661	6248	6248
85°	3162	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 17293 cd/sqm

TEST NUMBER: P1307152

CATALOG NUMBER: P3SQAS20R159027D010 E3SQPHL1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.7	23.8
10°-20°	447.6	36.4
20°-30°	254.4	20.7
30°-40°	116.1	9.4
40°-50°	55.7	4.5
50°-60°	31.1	2.5
60°-70°	19.0	1.5
70°-80°	10.1	0.8
80°-90°	2.2	0.2
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°	994.8	80.9
0°-40°	1110.8	90.4
0°-60°	1197.6	97.4
0°-90°	1229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1229.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3716	3716	3716	3716	3716	
5°	3354	3352	3360	3360	3364	292
15°	1592	1600	1610	1632	1641	442
25°	526	526	537	541	544	249
35°	172	175	178	182	182	113
45°	68	68	69	71	71	54
55°	33	33	35	35	35	30
65°	19	19	19	19	19	19
75°	10	10	10	10	10	10
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

TEST NUMBER: P1307152

CATALOG NUMBER: P3SQAS20R159027D010 E3SQPHL1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3716.4	3716.4	3716.4	3716.4	3716.4
1°	3713.3	3703.8	3700.6	3699.1	3695.9
2°	3665.9	3658.0	3656.4	3656.4	3654.9
3°	3599.6	3585.4	3587.0	3582.3	3577.5
4°	3487.6	3481.3	3484.4	3487.6	3481.3
5°	3353.5	3351.9	3359.8	3359.8	3364.5
6°	3214.6	3213.0	3208.3	3220.9	3227.2
7°	3037.8	3047.3	3059.9	3053.6	3058.3
8°	2876.9	2865.8	2870.6	2886.3	2887.9
9°	2687.5	2679.6	2700.1	2706.4	2708.0
10°	2502.9	2510.8	2509.2	2531.3	2521.8
12.5°	2021.5	2034.2	2048.4	2057.8	2067.3
15°	1592.3	1600.2	1609.7	1631.8	1641.2
17.5°	1224.6	1234.1	1243.5	1262.5	1265.6
20°	932.7	937.4	943.7	961.1	956.3
22.5°	697.5	705.4	711.7	719.6	724.3
25°	525.5	525.5	536.6	541.3	544.4
27.5°	391.4	394.5	402.4	408.7	407.1
30°	295.1	299.8	304.6	307.7	309.3
32.5°	227.2	227.2	232.0	236.7	238.3
35°	172.0	175.2	178.3	181.5	181.5
37.5°	134.1	135.7	138.9	140.5	140.5
40°	105.7	105.7	108.9	110.5	110.5
42.5°	83.6	85.2	86.8	88.4	88.4
45°	67.9	67.9	69.4	71.0	71.0
47.5°	55.2	55.2	56.8	58.4	58.4
50°	45.8	47.3	47.3	48.9	48.9
52.5°	39.5	39.5	39.5	41.0	41.0
55°	33.1	33.1	34.7	34.7	34.7
57.5°	28.4	28.4	28.4	30.0	30.0
60°	25.2	25.2	25.2	25.2	25.2
62.5°	22.1	22.1	22.1	22.1	22.1
65°	18.9	18.9	18.9	18.9	18.9
67.5°	15.8	15.8	15.8	17.4	17.4
70°	12.6	14.2	14.2	14.2	14.2
72.5°	11.0	11.0	11.0	11.0	11.0
75°	9.5	9.5	9.5	9.5	9.5
77.5°	7.9	7.9	7.9	7.9	7.9
80°	4.7	6.3	6.3	6.3	6.3
82.5°	3.2	3.2	3.2	3.2	3.2
85°	1.6	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)