

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: P1314644

Luminaire Tested: P3SQAS20R159735D010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314644
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: P3SQAS20R159735D010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

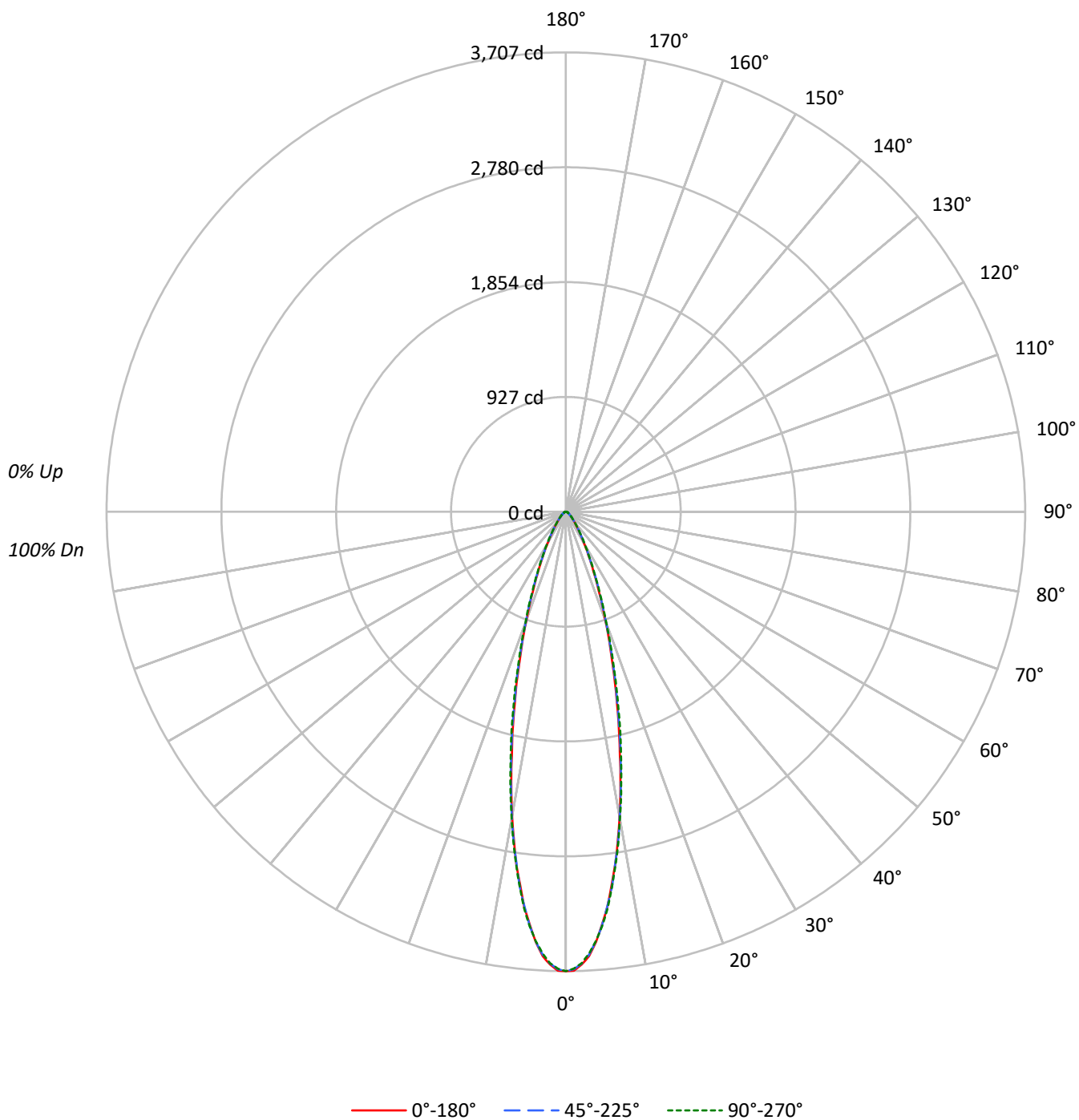
Lumens per Lamp: N/A
Luminaire Lumens: 1226.0 lumens
Efficiency: N/A
Efficacy: 42.6 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1314644

CATALOG NUMBER: P3SQAS20R159735D010 E3SQPHL1MB

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			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°	638481	638481	638481
5°	578337	579426	580239
10°	436639	437723	439927
15°	283209	286293	291909
20°	170520	172536	174845
25°	99612	101702	103203
30°	58546	60415	61370
35°	36078	37403	38054
40°	23719	24416	24775
45°	16489	16879	17244
50°	12244	12646	13075
55°	9939	10389	10389
60°	8680	8680	8680
65°	7702	7702	7702
70°	6345	7150	7150
75°	6255	6255	6255
80°	4661	6248	6248
85°	3162	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 17244 cd/sqm

TEST NUMBER: P1314644

CATALOG NUMBER: P3SQAS20R159735D010 E3SQPHL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.0	23.8
10°-20°	446.5	36.4
20°-30°	253.8	20.7
30°-40°	115.8	9.4
40°-50°	55.5	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°	992.3	80.9
0°-40°	1108.1	90.4
0°-60°	1194.7	97.5
0°-90°	1226.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1226.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3707	3707	3707	3707	3707	
5°	3345	3344	3352	3352	3356	292
15°	1588	1596	1606	1628	1637	441
25°	524	524	535	540	543	249
35°	172	175	178	181	181	113
45°	68	68	69	71	71	54
55°	33	33	35	35	35	30
65°	19	19	19	19	19	19
75°	9	9	9	9	9	10
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3707.3	3707.3	3707.3	3707.3	3707.3
1°	3704.2	3694.7	3691.6	3690.0	3686.9
2°	3657.0	3649.1	3647.5	3647.5	3645.9
3°	3590.8	3576.7	3578.3	3573.5	3568.8
4°	3479.1	3472.8	3475.9	3479.1	3472.8
5°	3345.3	3343.7	3351.6	3351.6	3356.3
6°	3206.7	3205.2	3200.4	3213.0	3219.3
7°	3030.4	3039.9	3052.5	3046.2	3050.9
8°	2869.8	2858.8	2863.5	2879.3	2880.9
9°	2680.9	2673.1	2693.5	2699.8	2701.4
10°	2496.8	2504.6	2503.0	2525.1	2515.6
12.5°	2016.6	2029.2	2043.4	2052.8	2062.3
15°	1588.4	1596.3	1605.7	1627.8	1637.2
17.5°	1221.6	1231.1	1240.5	1259.4	1262.5
20°	930.4	935.1	941.4	958.7	954.0
22.5°	695.8	703.7	710.0	717.9	722.6
25°	524.2	524.2	535.2	540.0	543.1
27.5°	390.4	393.6	401.4	407.7	406.2
30°	294.4	299.1	303.8	307.0	308.6
32.5°	226.7	226.7	231.4	236.1	237.7
35°	171.6	174.7	177.9	181.0	181.0
37.5°	133.8	135.4	138.5	140.1	140.1
40°	105.5	105.5	108.6	110.2	110.2
42.5°	83.4	85.0	86.6	88.2	88.2
45°	67.7	67.7	69.3	70.8	70.8
47.5°	55.1	55.1	56.7	58.2	58.2
50°	45.7	47.2	47.2	48.8	48.8
52.5°	39.4	39.4	39.4	40.9	40.9
55°	33.1	33.1	34.6	34.6	34.6
57.5°	28.3	28.3	28.3	29.9	29.9
60°	25.2	25.2	25.2	25.2	25.2
62.5°	22.0	22.0	22.0	22.0	22.0
65°	18.9	18.9	18.9	18.9	18.9
67.5°	15.7	15.7	15.7	17.3	17.3
70°	12.6	14.2	14.2	14.2	14.2
72.5°	11.0	11.0	11.0	11.0	11.0
75°	9.4	9.4	9.4	9.4	9.4
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°	3.1	3.1	3.1	3.1	3.1
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)