

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: P1315618

Luminaire Tested: P3SQAS20R159740D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315618
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: P3SQAS20R159740D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

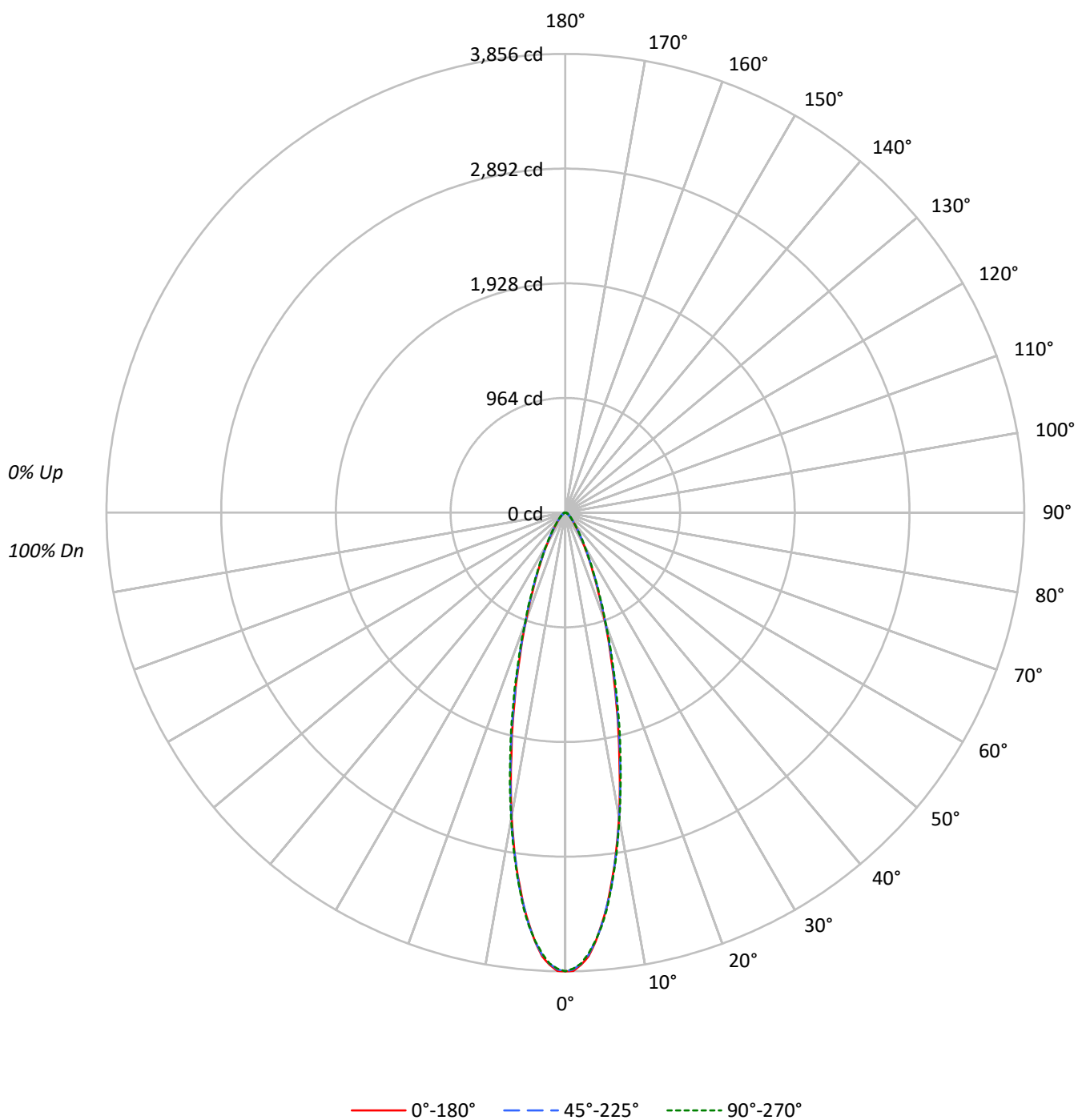
Lumens per Lamp: N/A
Luminaire Lumens: 1275.0 lumens
Efficiency: N/A
Efficacy: 44.3 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1315618

CATALOG NUMBER: P3SQAS20R159740D010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315618

CATALOG NUMBER: P3SQAS20R159740D010 E3SQPHL1MW

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		97	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	664004	664004	664004
5°	601451	602575	603422
10°	454074	455229	457520
15°	294530	297740	303570
20°	177337	179427	181828
25°	103603	105769	107327
30°	60873	62842	63816
35°	37529	38895	39589
40°	24663	25405	25764
45°	17147	17536	17950
50°	12727	13155	13611
55°	10329	10809	10809
60°	9024	9024	9024
65°	7987	7987	7987
70°	6596	7402	7402
75°	6521	6521	6521
80°	4860	6447	6447
85°	3162	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 17950 cd/sqm

TEST NUMBER: P1315618

CATALOG NUMBER: P3SQAS20R159740D010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.7	23.8
10°-20°	464.4	36.4
20°-30°	263.9	20.7
30°-40°	120.4	9.4
40°-50°	57.8	4.5
50°-60°	32.3	2.5
60°-70°	19.7	1.5
70°-80°	10.5	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°	1032.0	80.9
0°-40°	1152.4	90.4
0°-60°	1242.5	97.5
0°-90°	1275.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1275.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3856	3856	3856	3856	3856	
5°	3479	3477	3486	3486	3490	303
15°	1652	1660	1670	1693	1703	458
25°	545	545	557	562	565	259
35°	178	182	185	188	188	117
45°	70	70	72	74	74	56
55°	34	34	36	36	36	32
65°	20	20	20	20	20	19
75°	10	10	10	10	10	10
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

TEST NUMBER: P1315618

CATALOG NUMBER: P3SQAS20R159740D010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3855.5	3855.5	3855.5	3855.5	3855.5
1°	3852.2	3842.4	3839.1	3837.5	3834.2
2°	3803.1	3794.9	3793.3	3793.3	3791.7
3°	3734.4	3719.6	3721.3	3716.4	3711.4
4°	3618.1	3611.6	3614.9	3618.1	3611.6
5°	3479.0	3477.3	3485.5	3485.5	3490.4
6°	3334.9	3333.3	3328.4	3341.4	3348.0
7°	3151.5	3161.4	3174.5	3167.9	3172.8
8°	2984.5	2973.1	2978.0	2994.4	2996.0
9°	2788.1	2779.9	2801.2	2807.7	2809.4
10°	2596.5	2604.7	2603.1	2626.0	2616.2
12.5°	2097.2	2110.3	2125.0	2134.9	2144.7
15°	1651.9	1660.1	1669.9	1692.8	1702.6
17.5°	1270.4	1280.3	1290.1	1309.7	1313.0
20°	967.6	972.5	979.0	997.0	992.1
22.5°	723.6	731.8	738.4	746.5	751.5
25°	545.2	545.2	556.6	561.5	564.8
27.5°	406.0	409.3	417.5	424.0	422.4
30°	306.1	311.1	316.0	319.2	320.9
32.5°	235.8	235.8	240.7	245.6	247.2
35°	178.5	181.7	185.0	188.3	188.3
37.5°	139.2	140.8	144.1	145.7	145.7
40°	109.7	109.7	113.0	114.6	114.6
42.5°	86.8	88.4	90.0	91.7	91.7
45°	70.4	70.4	72.0	73.7	73.7
47.5°	57.3	57.3	58.9	60.6	60.6
50°	47.5	49.1	49.1	50.8	50.8
52.5°	40.9	40.9	40.9	42.6	42.6
55°	34.4	34.4	36.0	36.0	36.0
57.5°	29.5	29.5	29.5	31.1	31.1
60°	26.2	26.2	26.2	26.2	26.2
62.5°	22.9	22.9	22.9	22.9	22.9
65°	19.6	19.6	19.6	19.6	19.6
67.5°	16.4	16.4	16.4	18.0	18.0
70°	13.1	14.7	14.7	14.7	14.7
72.5°	11.5	11.5	11.5	11.5	11.5
75°	9.8	9.8	9.8	9.8	9.8
77.5°	8.2	8.2	8.2	8.2	8.2
80°	4.9	6.5	6.5	6.5	6.5
82.5°	3.3	3.3	3.3	3.3	3.3
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)