

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: P1312700

Luminaire Tested: P3SQAS20R159727D010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312700
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: P3SQAS20R159727D010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

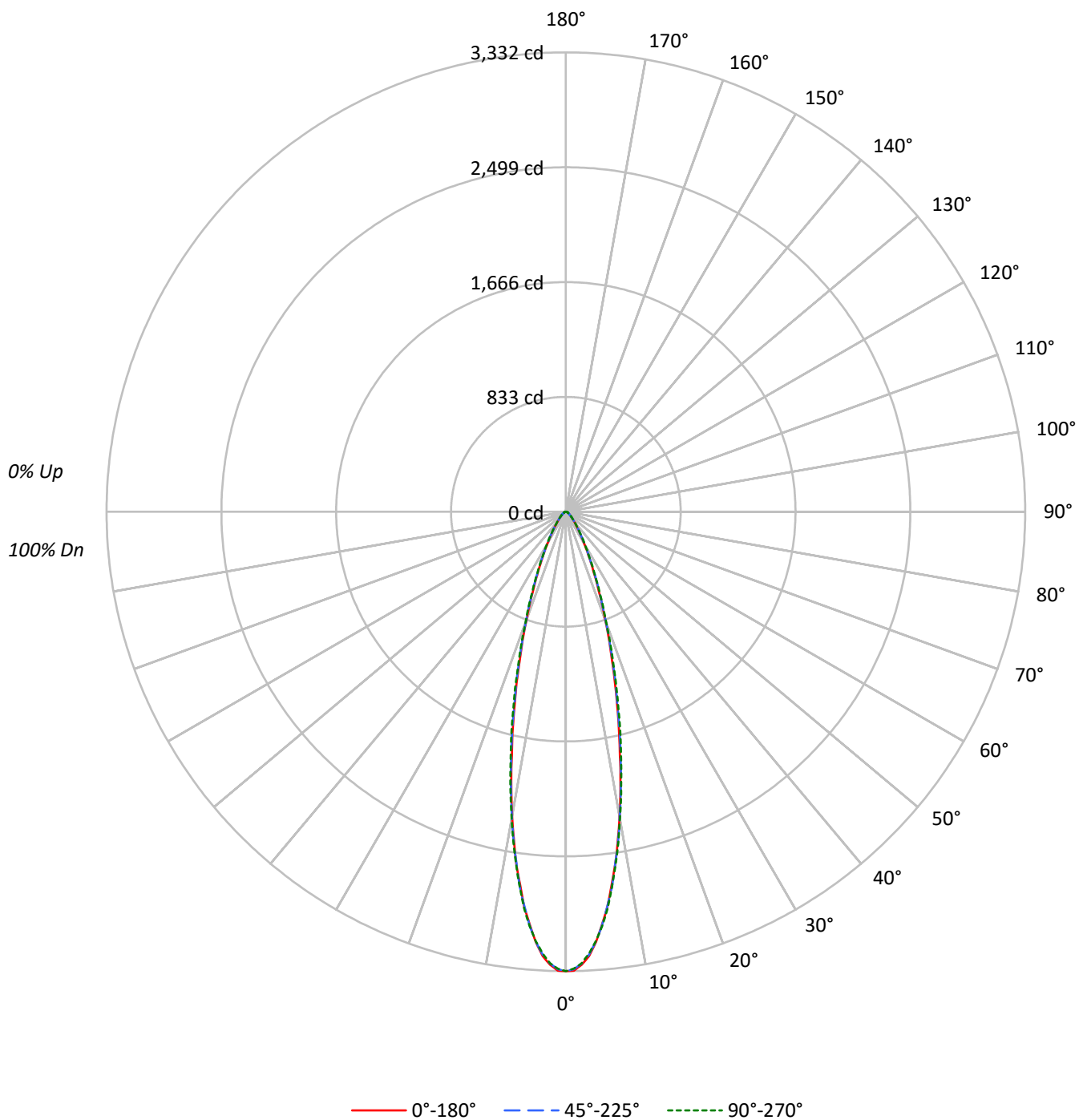
Lumens per Lamp: N/A
Luminaire Lumens: 1102.0 lumens
Efficiency: N/A
Efficacy: 38.3 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312700

CATALOG NUMBER: P3SQAS20R159727D010 E3SQPHL1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1312700

CATALOG NUMBER: P3SQAS20R159727D010 E3SQPHL1MB

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°	573915	573915	573915
5°	519834	520820	521546
10°	392464	393461	395437
15°	254574	257338	262383
20°	153273	155088	157159
25°	89541	91422	92771
30°	52620	54310	55145
35°	32420	33618	34207
40°	21313	21942	22280
45°	14808	15174	15515
50°	10985	11387	11762
55°	8918	9338	9338
60°	7784	7784	7784
65°	6928	6928	6928
70°	5690	6395	6395
75°	5656	5656	5656
80°	4166	5653	5653
85°	2766	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 15515 cd/sqm

TEST NUMBER: P1312700

CATALOG NUMBER: P3SQAS20R159727D010 E3SQPHL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.5	23.8
10°-20°	401.3	36.4
20°-30°	228.1	20.7
30°-40°	104.1	9.4
40°-50°	49.9	4.5
50°-60°	27.9	2.5
60°-70°	17.1	1.5
70°-80°	9.1	0.8
80°-90°	1.9	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°	892.0	80.9
0°-40°	996.0	90.4
0°-60°	1073.9	97.4
0°-90°	1102.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1102.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3332	3332	3332	3332	3332	
5°	3007	3006	3013	3013	3017	262
15°	1428	1435	1443	1463	1472	396
25°	471	471	481	485	488	224
35°	154	157	160	163	163	101
45°	61	61	62	64	64	48
55°	30	30	31	31	31	27
65°	17	17	17	17	17	17
75°	8	8	8	8	8	9
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

TEST NUMBER: P1312700

CATALOG NUMBER: P3SQAS20R159727D010 E3SQPHL1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3332.4	3332.4	3332.4	3332.4	3332.4
1°	3329.5	3321.1	3318.2	3316.8	3314.0
2°	3287.1	3280.0	3278.6	3278.6	3277.2
3°	3227.7	3214.9	3216.3	3212.1	3207.9
4°	3127.2	3121.5	3124.4	3127.2	3121.5
5°	3006.9	3005.5	3012.6	3012.6	3016.8
6°	2882.4	2881.0	2876.7	2888.1	2893.7
7°	2723.9	2732.4	2743.7	2738.1	2742.3
8°	2579.6	2569.7	2573.9	2588.1	2589.5
9°	2409.8	2402.7	2421.1	2426.8	2428.2
10°	2244.2	2251.3	2249.9	2269.7	2261.2
12.5°	1812.6	1824.0	1836.7	1845.2	1853.7
15°	1427.8	1434.8	1443.3	1463.1	1471.6
17.5°	1098.1	1106.5	1115.0	1132.0	1134.8
20°	836.3	840.5	846.2	861.7	857.5
22.5°	625.4	632.5	638.2	645.2	649.5
25°	471.2	471.2	481.1	485.4	488.2
27.5°	350.9	353.8	360.8	366.5	365.1
30°	264.6	268.9	273.1	275.9	277.3
32.5°	203.8	203.8	208.0	212.3	213.7
35°	154.2	157.1	159.9	162.7	162.7
37.5°	120.3	121.7	124.5	125.9	125.9
40°	94.8	94.8	97.6	99.1	99.1
42.5°	75.0	76.4	77.8	79.2	79.2
45°	60.8	60.8	62.3	63.7	63.7
47.5°	49.5	49.5	50.9	52.4	52.4
50°	41.0	42.5	42.5	43.9	43.9
52.5°	35.4	35.4	35.4	36.8	36.8
55°	29.7	29.7	31.1	31.1	31.1
57.5°	25.5	25.5	25.5	26.9	26.9
60°	22.6	22.6	22.6	22.6	22.6
62.5°	19.8	19.8	19.8	19.8	19.8
65°	17.0	17.0	17.0	17.0	17.0
67.5°	14.2	14.2	14.2	15.6	15.6
70°	11.3	12.7	12.7	12.7	12.7
72.5°	9.9	9.9	9.9	9.9	9.9
75°	8.5	8.5	8.5	8.5	8.5
77.5°	7.1	7.1	7.1	7.1	7.1
80°	4.2	5.7	5.7	5.7	5.7
82.5°	2.8	2.8	2.8	2.8	2.8
85°	1.4	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)