

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: P1316560

Luminaire Tested: P3SQAS20R359827D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316560
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359827D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

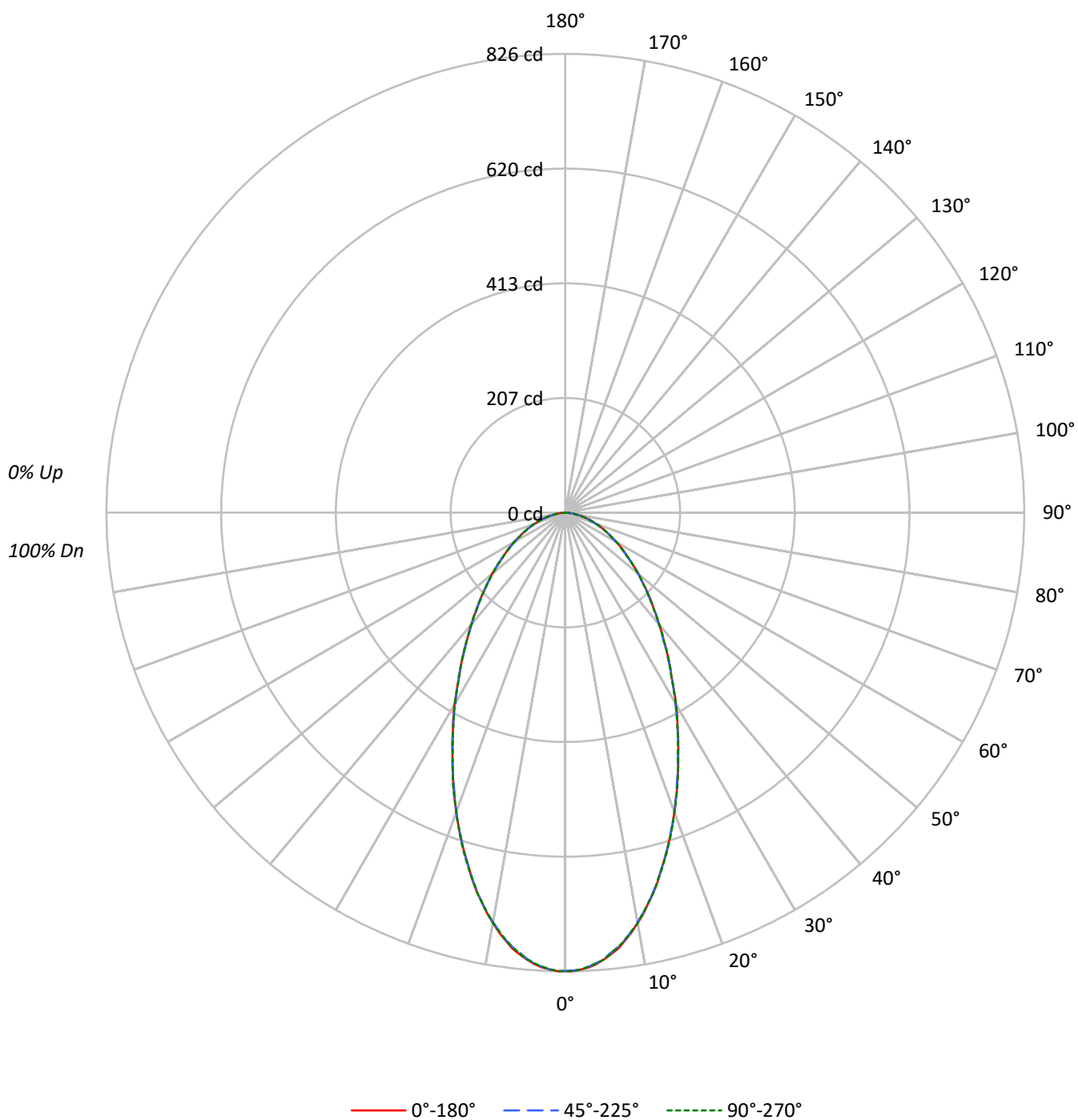
Lumens per Lamp: N/A
Luminaire Lumens: 1103.0 lumens
Efficiency: N/A
Efficacy: 40.3 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1316560

CATALOG NUMBER: P3SQAS20R359827D010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1316560

CATALOG NUMBER: P3SQAS20R359827D010 E3SQPHLD1MW

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	111	107	103	100	108	105	101	99	100	98	95		97	95	93		93
2	103	96	90	85	100	94	89	84	90	86	82		87	84	81		84
3	95	86	79	74	93	85	78	73	82	76	72		79	75	71		77
4	88	78	71	65	86	77	70	65	75	68	64		72	67	63		70
5	82	71	64	58	80	70	63	58	68	62	57		66	61	56		65
6	77	65	58	52	75	65	57	52	63	56	51		61	55	51		60
7	72	60	53	47	71	60	52	47	58	52	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	43		53	47	43		52
9	64	52	45	40	63	51	44	40	50	44	39		49	44	39		48
10	60	49	42	37	59	48	41	37	47	41	37		46	41	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	142187	142187	142187
5°	139532	139290	139532
10°	131195	130950	131195
15°	118782	118782	119032
20°	105145	105145	105145
25°	91422	91156	91156
30°	79268	78691	78989
35°	68246	67930	68246
40°	59195	58881	59195
45°	52000	51659	51659
50°	46138	45763	45763
55°	40595	40595	40595
60°	36787	36270	36787
65°	33049	33049	33049
70°	29407	29407	29407
75°	26550	25552	26550
80°	22613	22613	22613
85°	14030	14030	14030

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52000 cd/sqm

TEST NUMBER: P1316560

CATALOG NUMBER: P3SQAS20R359827D010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.1	6.8
10°-20°	185.8	16.8
20°-30°	220.8	20.0
30°-40°	202.9	18.4
40°-50°	164.8	14.9
50°-60°	121.9	11.1
60°-70°	80.6	7.3
70°-80°	41.8	3.8
80°-90°	9.4	0.8
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°	481.7	43.7
0°-40°	684.6	62.1
0°-60°	971.3	88.1
0°-90°	1103.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1103.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	826	826	826	826	826	
5°	807	806	806	806	807	75
15°	666	666	666	666	668	186
25°	481	480	480	481	480	221
35°	325	323	323	325	325	203
45°	214	212	212	212	212	165
55°	135	135	135	135	135	122
65°	81	81	81	81	81	81
75°	40	40	38	40	40	42
85°	7	7	7	7	7	9
90°	0	0	0	0	0	

TEST NUMBER: P1316560

CATALOG NUMBER: P3SQAS20R359827D010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	825.6	825.6	825.6	825.6	825.6
1°	825.6	824.2	824.2	824.2	825.6
2°	822.8	822.8	822.8	822.8	822.8
3°	819.9	818.5	818.5	818.5	818.5
4°	814.2	812.8	812.8	812.8	812.8
5°	807.1	805.7	805.7	805.7	807.1
6°	798.6	797.2	795.7	795.7	797.2
7°	790.0	787.2	787.2	787.2	787.2
8°	777.2	775.8	775.8	775.8	775.8
9°	764.4	761.6	763.0	763.0	763.0
10°	750.2	748.8	748.8	748.8	750.2
11°	736.0	734.5	734.5	733.1	734.5
12°	718.9	718.9	718.9	718.9	718.9
13°	703.2	701.8	701.8	701.8	703.2
14°	686.1	684.7	684.7	684.7	684.7
15°	666.2	666.2	666.2	666.2	667.6
17.5°	620.7	619.2	620.7	620.7	622.1
20°	573.7	572.3	573.7	573.7	573.7
22.5°	526.7	526.7	525.3	526.7	528.1
25°	481.1	479.7	479.7	481.1	479.7
27.5°	438.4	437.0	437.0	437.0	437.0
30°	398.6	395.7	395.7	397.2	397.2
32.5°	357.3	357.3	358.7	357.3	357.3
35°	324.6	323.1	323.1	324.6	324.6
37.5°	291.8	290.4	290.4	291.8	291.8
40°	263.3	263.3	261.9	263.3	263.3
42.5°	236.3	236.3	236.3	236.3	236.3
45°	213.5	212.1	212.1	212.1	212.1
47.5°	190.8	190.8	190.8	189.3	190.8
50°	172.2	170.8	170.8	170.8	170.8
52.5°	152.3	152.3	152.3	152.3	152.3
55°	135.2	135.2	135.2	135.2	135.2
57.5°	121.0	119.6	119.6	119.6	119.6
60°	106.8	106.8	105.3	106.8	106.8
62.5°	92.5	92.5	92.5	92.5	92.5
65°	81.1	81.1	81.1	81.1	81.1
67.5°	69.8	69.8	69.8	69.8	69.8
70°	58.4	58.4	58.4	58.4	58.4
72.5°	49.8	48.4	48.4	48.4	48.4
75°	39.9	39.9	38.4	39.9	39.9
77.5°	29.9	29.9	29.9	29.9	29.9
80°	22.8	22.8	22.8	21.4	22.8
82.5°	14.2	14.2	14.2	14.2	14.2
85°	7.1	7.1	7.1	7.1	7.1
87.5°	1.4	1.4	1.4	2.8	2.8



TEST NUMBER: P1316560

CATALOG NUMBER: P3SQAS20R359827D010 E3SQPHLD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)