

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: P1307356

Luminaire Tested: P3SQAS24R359027D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307356
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R359027D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

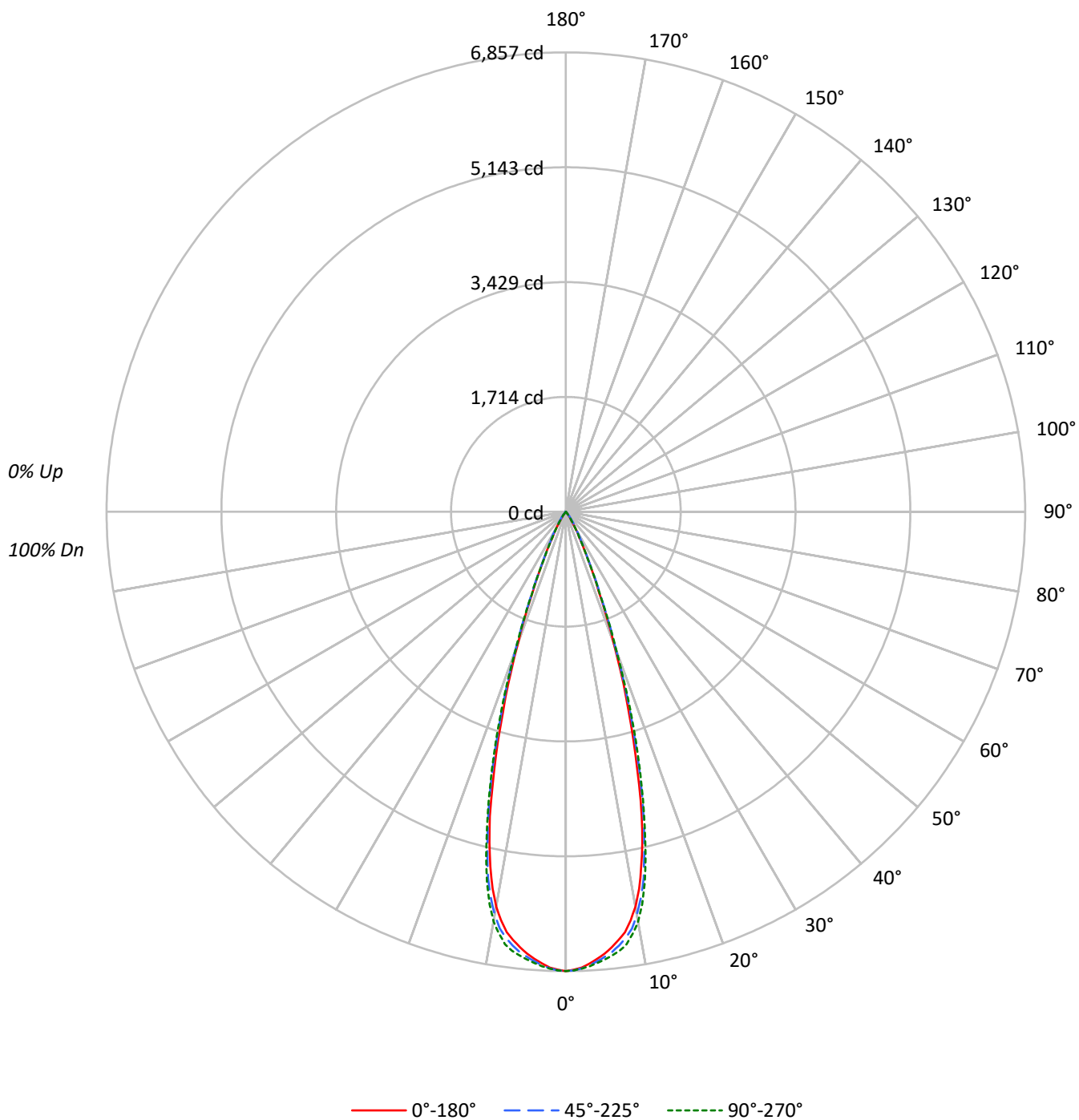
Lumens per Lamp: N/A
Luminaire Lumens: 2283.0 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	95	94
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	92	91
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	88	87
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86	85	84
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83	82	81
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80	79	78
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	77	76	75
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	74	73	72
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	71	70	69
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1180896	1180896	1180896
5°	1145091	1153217	1159458
10°	1046391	1068513	1086858
15°	752489	785385	791821
20°	383101	402326	403316
25°	145351	148449	144325
30°	56458	65447	55026
35°	19385	30422	18249
40°	6497	11781	6093
45°	438	3970	438
50°	0	482	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3970 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	620.7	27.2
10°-20°	1156.4	50.7
20°-30°	415.7	18.2
30°-40°	81.1	3.6
40°-50°	9.0	0.4
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	2192.8	96.0
0°-40°	2273.9	99.6
0°-60°	2283.0	100.0
0°-90°	2283.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2283.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6857	6857	6857	6857	6857	
5°	6624	6642	6671	6701	6707	614
15°	4220	4291	4405	4436	4441	1121
25°	765	772	781	776	760	401
35°	92	105	145	107	87	69
45°	2	5	16	5	2	5
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6856.8	6856.8	6856.8	6856.8	6856.8
1°	6836.9	6846.0	6847.8	6860.4	6846.0
2°	6808.0	6813.4	6820.7	6831.5	6824.3
3°	6752.0	6762.8	6779.1	6793.5	6793.5
4°	6692.3	6706.7	6726.6	6752.0	6750.1
5°	6623.6	6641.7	6670.6	6701.3	6706.7
6°	6536.8	6558.5	6605.5	6648.9	6656.1
7°	6444.6	6477.1	6522.3	6585.6	6601.9
8°	6336.1	6361.4	6426.5	6500.6	6518.7
9°	6176.9	6214.9	6298.1	6366.8	6377.6
10°	5983.5	6010.6	6110.0	6182.4	6214.9
11°	5733.9	5773.7	5871.3	5945.5	5967.2
12°	5415.7	5473.5	5587.4	5641.7	5659.8
13°	5072.1	5120.9	5209.5	5276.4	5290.9
14°	4685.1	4732.2	4824.4	4878.6	4866.0
15°	4220.4	4290.9	4404.9	4435.6	4441.0
17.5°	3117.4	3162.6	3263.9	3312.7	3347.0
20°	2090.3	2133.7	2195.2	2227.7	2200.6
22.5°	1271.2	1307.4	1339.9	1338.1	1329.1
25°	764.9	772.1	781.2	775.7	759.5
27.5°	446.6	466.5	493.6	475.6	448.4
30°	283.9	300.2	329.1	298.4	276.7
32.5°	150.1	189.9	220.6	179.0	157.3
35°	92.2	104.9	144.7	106.7	86.8
37.5°	56.1	65.1	90.4	63.3	50.6
40°	28.9	41.6	52.4	38.0	27.1
42.5°	9.0	19.9	28.9	18.1	9.0
45°	1.8	5.4	16.3	5.4	1.8
47.5°	0.0	0.0	7.2	1.8	0.0
50°	0.0	0.0	1.8	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)