

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: P1316763

Luminaire Tested: P3SQAS02R709830DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709830DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

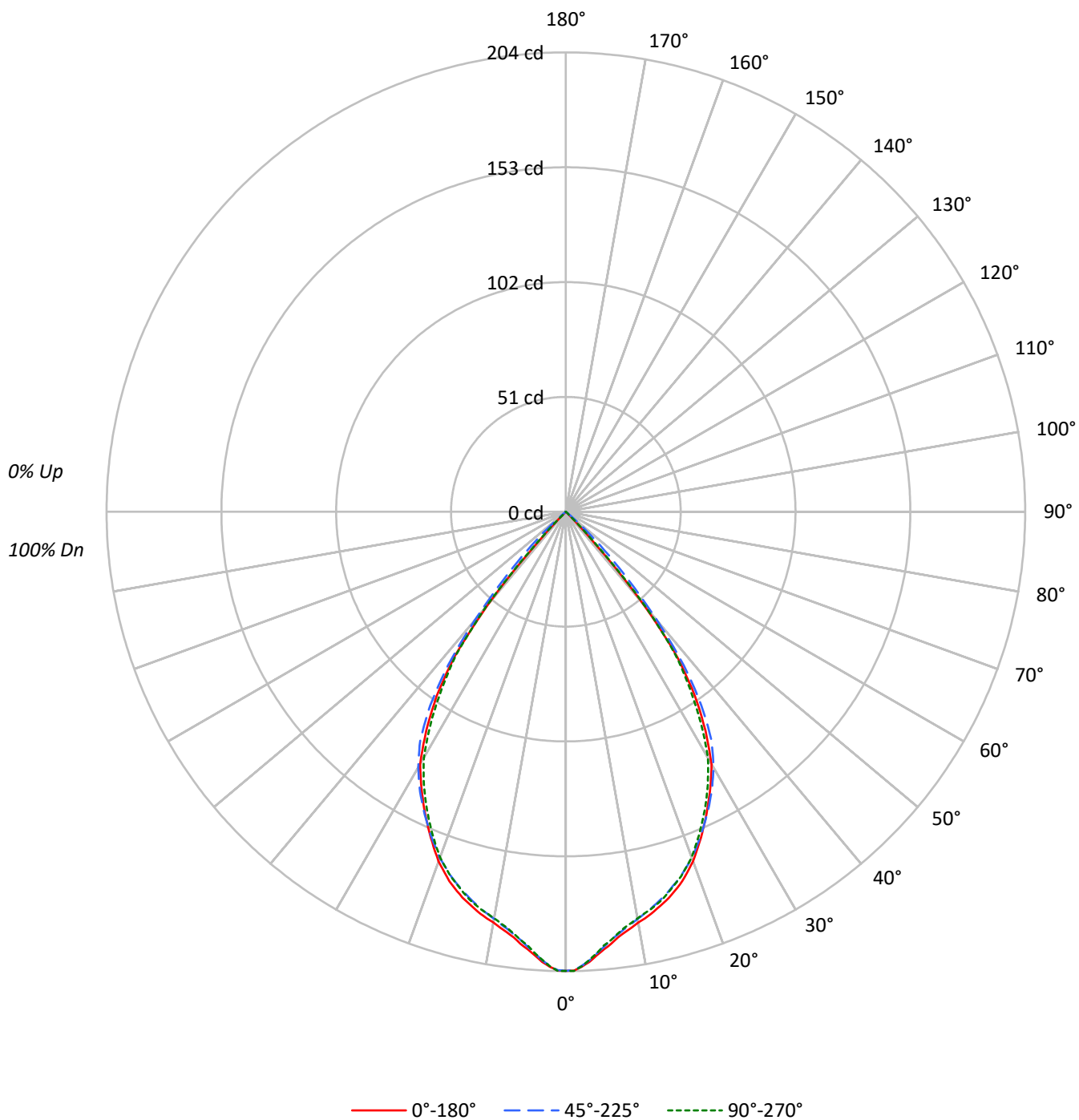
Lumens per Lamp: N/A
Luminaire Lumens: 211.0 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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		
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86		
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80		
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74		
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68		
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63		
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59		
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55		
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51		
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35116	35116	35116
5°	33712	33539	33435
10°	32388	32108	32055
15°	31630	31184	31238
20°	30277	29984	29929
25°	28105	28181	27744
30°	25733	26071	25097
35°	21046	22055	20226
40°	12118	14119	12433
45°	170	5870	609
50°	0	616	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: 5870 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.2	8.6
10°-20°	49.3	23.4
20°-30°	67.7	32.1
30°-40°	61.4	29.1
40°-50°	14.3	6.8
50°-60°	0.1	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°	135.2	64.1
0°-40°	196.7	93.2
0°-60°	211.0	100.0
0°-90°	211.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	211.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	204	204	204	204	204	
5°	195	194	194	194	193	18
15°	177	176	175	175	175	50
25°	148	149	148	147	146	68
35°	100	102	105	100	96	60
45°	1	8	24	10	2	9
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°	203.9	203.9	203.9	203.9	203.9
1°	203.8	203.4	203.6	203.8	203.9
2°	202.2	201.8	201.8	202.0	202.0
3°	200.2	199.5	199.5	199.3	199.3
4°	197.5	197.0	196.6	196.5	196.5
5°	195.0	194.5	194.0	193.6	193.4
6°	192.9	192.0	191.3	191.1	191.3
7°	190.4	189.9	189.1	188.6	188.8
8°	188.6	187.9	187.0	186.6	186.6
9°	187.0	186.3	185.4	184.7	185.0
10°	185.2	184.5	183.6	183.1	183.3
11°	184.0	183.1	182.0	181.6	181.8
12°	182.5	181.5	180.4	180.2	180.6
13°	180.8	179.7	178.6	178.6	179.0
14°	179.1	177.9	176.8	176.8	177.4
15°	177.4	176.1	174.9	174.9	175.2
17.5°	172.0	170.9	169.7	169.7	169.9
20°	165.2	164.7	163.6	163.1	163.3
22.5°	156.7	156.7	156.1	155.2	154.9
25°	147.9	148.6	148.3	146.9	146.0
27.5°	138.8	140.1	140.2	138.1	136.5
30°	129.4	130.4	131.1	128.7	126.2
32.5°	115.4	118.7	120.4	117.1	111.9
35°	100.1	101.5	104.9	100.5	96.2
37.5°	81.4	83.2	86.0	82.4	79.9
40°	53.9	61.0	62.8	61.0	55.3
42.5°	19.4	34.3	41.2	35.0	22.8
45°	0.7	8.0	24.1	10.3	2.5
47.5°	0.0	0.2	10.9	0.4	0.0
50°	0.0	0.0	2.3	0.0	0.0
52.5°	0.0	0.0	0.2	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)