

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: P1317257

Luminaire Tested: P3SQAS17R259830DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317257
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259830DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

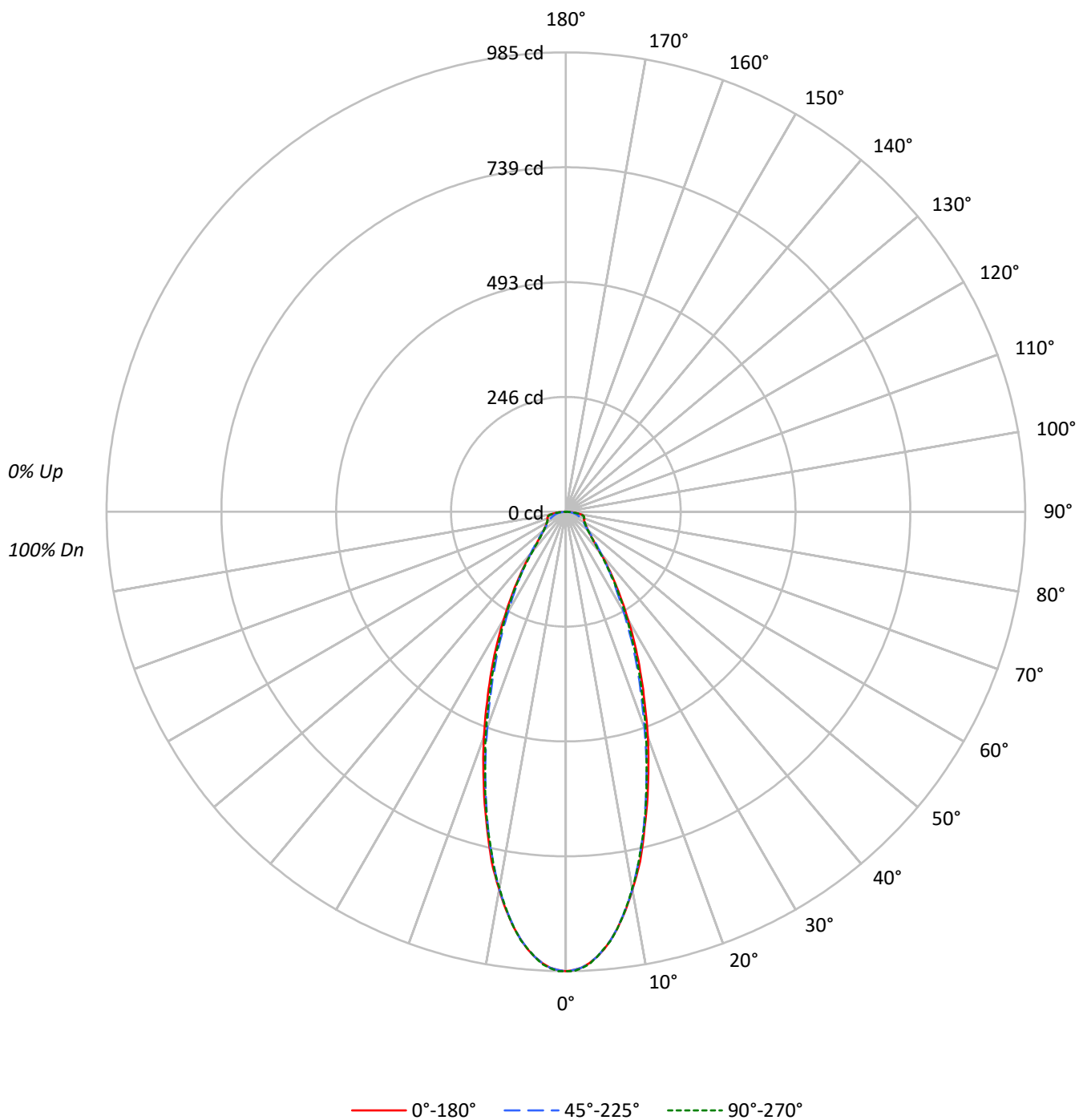
Lumens per Lamp: N/A
Luminaire Lumens: 744.0 lumens
Efficiency: N/A
Efficacy: 36.5 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	169657	169657	169657
5°	162784	162577	162577
10°	143908	143698	143296
15°	118836	117160	117801
20°	94149	90282	91784
25°	71716	67916	69702
30°	52839	49100	51188
35°	37823	36078	36583
40°	25899	26439	25112
45°	19192	20337	18900
50°	16692	16692	16371
55°	15884	15163	15884
60°	16189	14983	16189
65°	17727	15323	17727
70°	21300	15408	20696
75°	26617	16436	26617
80°	33820	17456	31440
85°	27862	16203	27862

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 33820 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	11.6
10°-20°	182.7	24.5
20°-30°	167.4	22.5
30°-40°	110.4	14.8
40°-50°	64.3	8.6
50°-60°	46.9	6.3
60°-70°	39.9	5.4
70°-80°	33.0	4.4
80°-90°	13.6	1.8
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°	436.0	58.6
0°-40°	546.4	73.4
0°-60°	657.6	88.4
0°-90°	744.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	744.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	985	985	985	985	985	
5°	942	940	940	942	940	86
15°	666	664	657	660	661	185
25°	377	367	357	358	367	173
35°	180	176	172	172	174	114
45°	79	81	84	79	78	64
55°	53	53	50	52	53	48
65°	44	40	38	40	44	43
75°	40	31	25	31	40	42
85°	14	15	8	15	14	16
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	985.1	985.1	985.1	985.1	985.1
1°	982.8	982.8	982.8	982.8	985.1
2°	978.1	976.9	978.1	978.1	979.2
3°	968.7	968.7	968.7	968.7	971.0
4°	956.9	956.9	956.9	956.9	956.9
5°	941.6	940.4	940.4	941.6	940.4
6°	922.8	922.8	922.8	922.8	924.0
7°	901.6	900.5	900.5	899.3	901.6
8°	877.0	877.0	875.8	874.6	877.0
9°	851.1	852.3	849.9	848.7	848.7
10°	822.9	821.7	821.7	821.7	819.4
11°	794.7	791.1	790.0	790.0	792.3
12°	766.5	760.6	758.2	758.2	758.2
13°	732.4	730.0	726.5	724.1	725.3
14°	698.3	698.3	692.4	692.4	694.8
15°	666.5	664.2	657.1	659.5	660.7
17.5°	587.8	583.1	574.8	574.8	576.0
20°	513.7	505.5	492.6	498.4	500.8
22.5°	440.8	432.6	419.7	425.5	427.9
25°	377.4	366.8	357.4	358.5	366.8
27.5°	319.7	308.0	298.6	302.1	306.8
30°	265.7	258.6	246.9	252.7	257.4
32.5°	219.8	214.0	205.7	209.2	214.0
35°	179.9	176.3	171.6	171.6	174.0
37.5°	145.8	144.6	142.2	141.1	139.9
40°	115.2	117.6	117.6	115.2	111.7
42.5°	94.0	96.4	98.7	94.0	90.5
45°	78.8	81.1	83.5	78.8	77.6
47.5°	69.4	70.5	71.7	69.4	68.2
50°	62.3	62.3	62.3	61.1	61.1
52.5°	57.6	56.4	55.3	56.4	56.4
55°	52.9	52.9	50.5	51.7	52.9
57.5°	49.4	48.2	47.0	48.2	49.4
60°	47.0	44.7	43.5	44.7	47.0
62.5°	44.7	42.3	40.0	42.3	44.7
65°	43.5	40.0	37.6	40.0	43.5
67.5°	42.3	37.6	34.1	37.6	42.3
70°	42.3	35.3	30.6	35.3	41.1
72.5°	41.1	32.9	28.2	32.9	41.1
75°	40.0	30.6	24.7	30.6	40.0
77.5°	38.8	28.2	21.2	28.2	37.6
80°	34.1	25.9	17.6	25.9	31.7
82.5°	24.7	21.2	14.1	21.2	23.5
85°	14.1	15.3	8.2	15.3	14.1
87.5°	2.4	3.5	2.4	5.9	4.7



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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)