

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: P1317274

Luminaire Tested: P3SQAS17R309830DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317274
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R309830DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

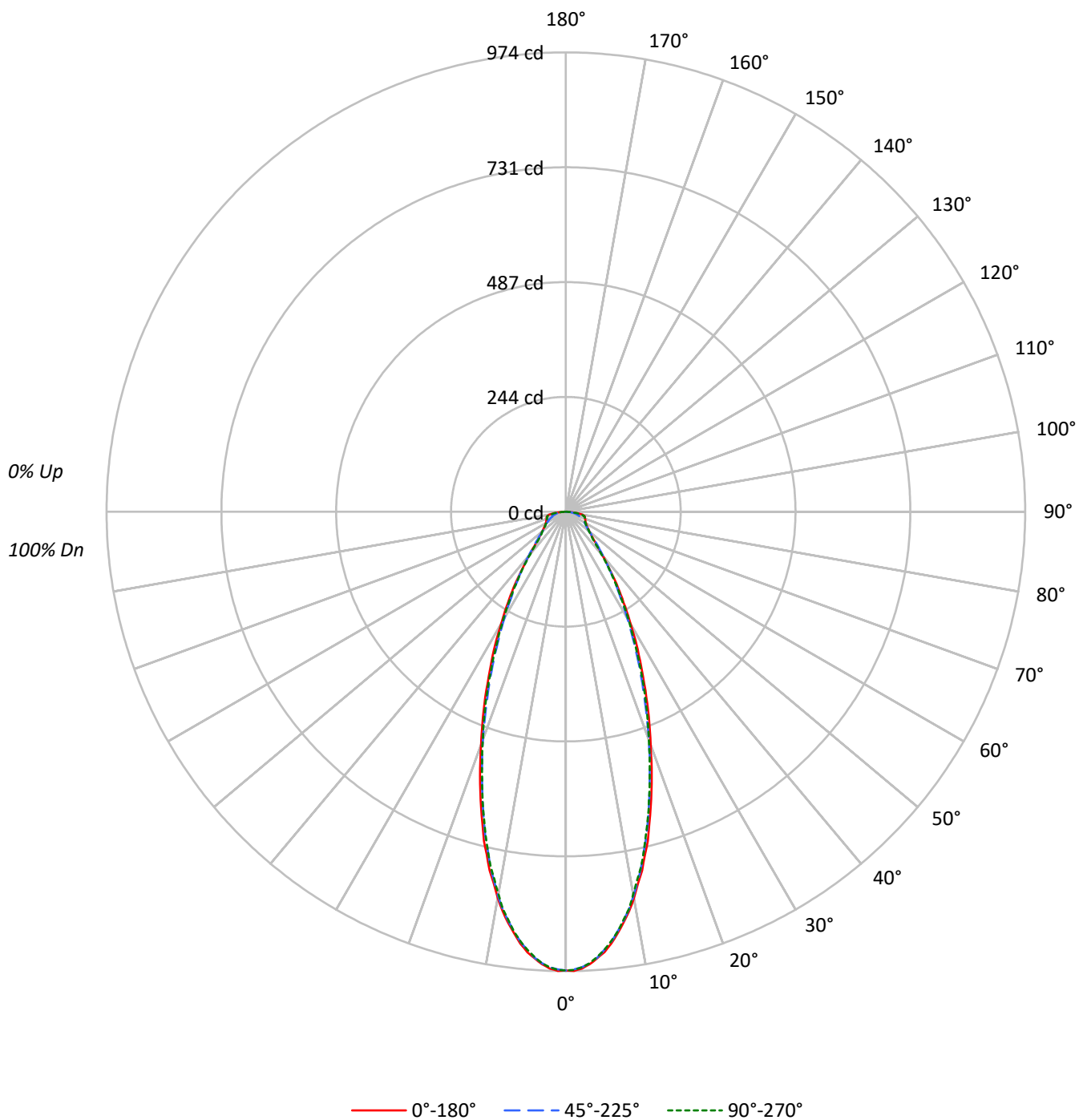
Lumens per Lamp: N/A
Luminaire Lumens: 767.0 lumens
Efficiency: N/A
Efficacy: 37.6 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	167504	167504	167504
5°	162058	161246	161246
10°	145447	144625	144013
15°	121902	120012	119798
20°	96238	94295	94295
25°	73654	70766	72096
30°	54668	51864	53037
35°	39505	37781	38033
40°	27203	27720	26416
45°	20313	21165	19460
50°	17630	17308	17308
55°	16574	15884	16214
60°	16981	15776	16602
65°	18664	15812	18175
70°	21904	15962	21300
75°	28147	17168	27349
80°	34911	18646	32630
85°	27862	18575	25491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 34911 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.7	11.2
10°-20°	186.5	24.3
20°-30°	173.8	22.7
30°-40°	115.3	15.0
40°-50°	67.1	8.8
50°-60°	48.8	6.4
60°-70°	41.3	5.4
70°-80°	34.2	4.5
80°-90°	14.2	1.9
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°	446.0	58.2
0°-40°	561.3	73.2
0°-60°	677.3	88.3
0°-90°	767.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	767.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	973	973	973	973	973	
5°	937	936	933	933	933	86
15°	684	677	673	672	672	189
25°	388	381	372	374	379	179
35°	188	184	180	181	181	118
45°	83	85	87	82	80	67
55°	55	54	53	54	54	50
65°	46	41	39	41	45	46
75°	42	32	26	32	41	43
85°	14	16	9	15	13	16
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	972.6	972.6	972.6	972.6	972.6
1°	973.8	972.6	970.3	971.5	971.5
2°	969.1	967.9	966.8	966.8	966.8
3°	960.9	959.7	958.5	958.5	958.5
4°	949.1	948.0	948.0	946.8	946.8
5°	937.4	936.2	932.7	932.7	932.7
6°	920.9	919.8	917.4	916.3	916.3
7°	901.0	901.0	897.5	896.3	897.5
8°	879.8	878.7	876.3	875.1	875.1
9°	857.5	854.0	854.0	850.5	852.8
10°	831.7	829.3	827.0	824.6	823.5
11°	802.3	801.1	797.6	795.3	794.1
12°	777.6	771.8	769.4	765.9	768.2
13°	745.9	742.4	736.5	735.4	736.5
14°	718.9	711.9	707.2	704.8	703.6
15°	683.7	676.6	673.1	671.9	671.9
17.5°	605.0	600.3	590.9	590.9	590.9
20°	525.1	520.4	514.5	513.3	514.5
22.5°	455.8	447.6	438.2	439.3	446.4
25°	387.6	380.6	372.4	373.5	379.4
27.5°	330.1	320.7	312.5	314.8	318.3
30°	274.9	269.0	260.8	263.1	266.7
32.5°	227.9	224.4	215.0	217.3	220.8
35°	187.9	184.4	179.7	180.9	180.9
37.5°	150.4	150.4	149.2	148.0	146.8
40°	121.0	123.3	123.3	119.8	117.5
42.5°	98.7	101.0	103.4	98.7	95.1
45°	83.4	84.6	86.9	82.2	79.9
47.5°	72.8	72.8	75.2	71.7	70.5
50°	65.8	65.8	64.6	63.4	64.6
52.5°	59.9	58.7	57.6	58.7	58.7
55°	55.2	54.0	52.9	54.0	54.0
57.5°	51.7	50.5	49.3	49.3	50.5
60°	49.3	47.0	45.8	47.0	48.2
62.5°	47.0	43.5	42.3	43.5	45.8
65°	45.8	41.1	38.8	41.1	44.6
67.5°	44.6	38.8	35.2	38.8	43.5
70°	43.5	36.4	31.7	36.4	42.3
72.5°	42.3	34.1	29.4	34.1	42.3
75°	42.3	31.7	25.8	31.7	41.1
77.5°	39.9	29.4	22.3	29.4	38.8
80°	35.2	27.0	18.8	25.8	32.9
82.5°	25.8	23.5	14.1	22.3	24.7
85°	14.1	16.4	9.4	15.3	12.9
87.5°	2.3	3.5	2.3	7.0	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)