

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: P1311745

Luminaire Tested: P3SQAS24R209050D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R209050D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

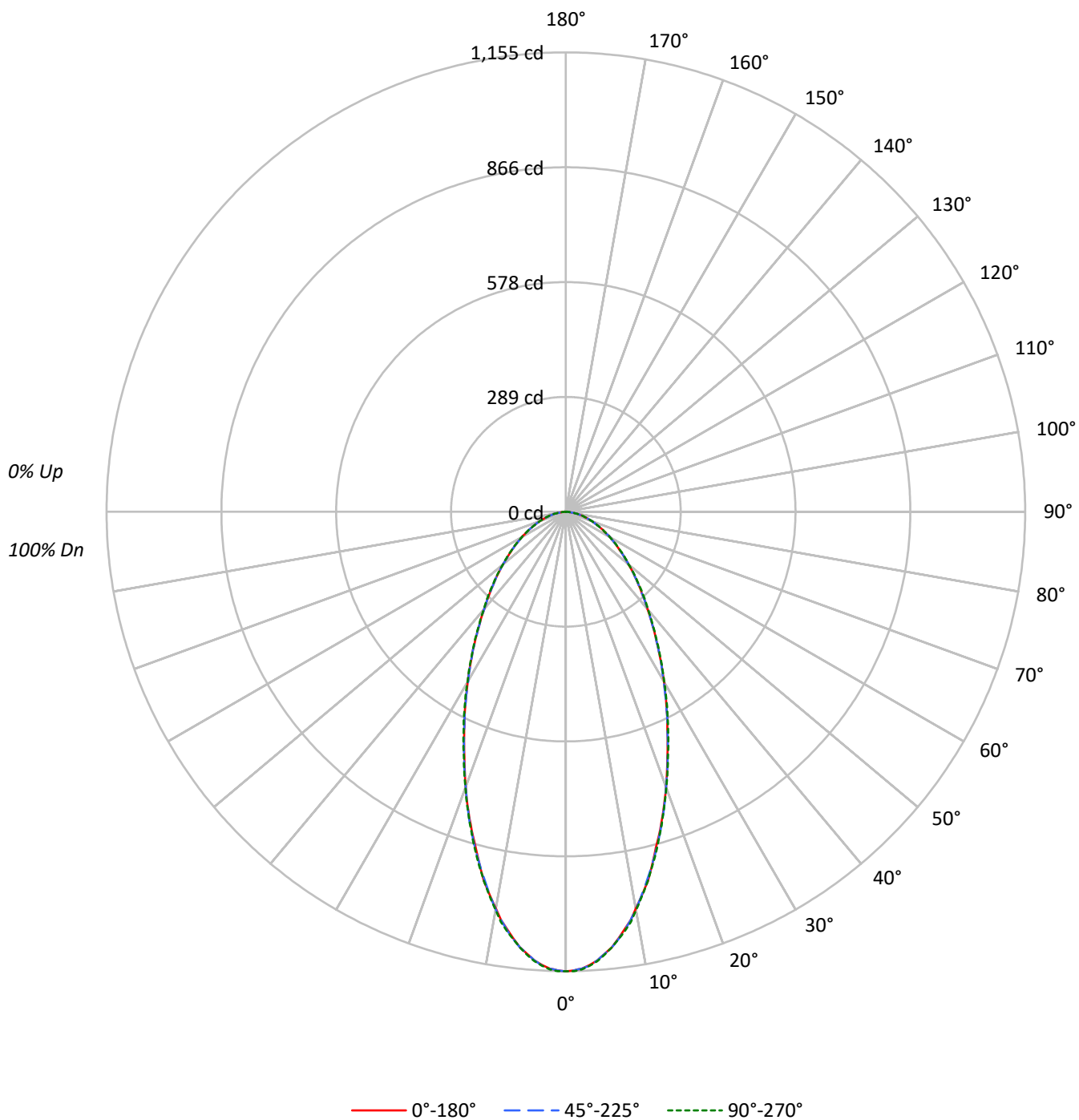
Lumens per Lamp: N/A
Luminaire Lumens: 1382.0 lumens
Efficiency: N/A
Efficacy: 48.0 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	198986	198986	198986
5°	192969	192969	193332
10°	177170	177520	177887
15°	155975	156706	157081
20°	135001	135001	135367
25°	114871	114871	115669
30°	98061	97663	98478
35°	83720	83720	84161
40°	71898	71898	72370
45°	62814	62814	63325
50°	55274	55274	55274
55°	48943	48943	49573
60°	44055	44055	44055
65°	39529	39529	39529
70°	35349	35349	35349
75°	31607	30210	31607
80°	26580	26580	26580
85°	16401	16401	20353

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 63325 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.3	7.5
10°-20°	244.6	17.7
20°-30°	278.6	20.2
30°-40°	250.1	18.1
40°-50°	200.4	14.5
50°-60°	147.2	10.7
60°-70°	96.3	7.0
70°-80°	49.9	3.6
80°-90°	11.6	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°	626.5	45.3
0°-40°	876.6	63.4
0°-60°	1224.2	88.6
0°-90°	1382.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1382.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1155	1155	1155	1155	1155	
5°	1116	1116	1116	1116	1118	103
15°	875	875	879	879	881	245
25°	604	604	604	607	609	278
35°	398	398	398	398	400	250
45°	258	258	258	258	260	200
55°	163	163	163	163	165	147
65°	97	95	97	97	97	96
75°	48	45	45	48	48	50
85°	8	8	8	10	10	11
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1155.4	1155.4	1155.4	1155.4	1155.4
1°	1153.4	1151.3	1153.4	1153.4	1155.4
2°	1149.2	1149.2	1149.2	1147.2	1151.3
3°	1141.0	1141.0	1143.0	1141.0	1143.0
4°	1130.7	1130.7	1130.7	1128.6	1132.7
5°	1116.2	1116.2	1116.2	1116.2	1118.3
6°	1101.8	1099.7	1101.8	1099.7	1101.8
7°	1081.1	1081.1	1083.2	1081.1	1083.2
8°	1060.5	1058.4	1062.6	1060.5	1064.6
9°	1039.9	1037.8	1039.9	1037.8	1044.0
10°	1013.1	1015.1	1015.1	1015.1	1017.2
12.5°	951.2	947.0	947.0	947.0	951.2
15°	874.8	874.8	878.9	878.9	881.0
17.5°	806.7	804.7	808.8	808.8	808.8
20°	736.6	734.5	736.6	736.6	738.6
22.5°	666.4	668.5	668.5	668.5	670.6
25°	604.5	604.5	604.5	606.6	608.7
27.5°	546.8	544.7	546.8	548.8	550.9
30°	493.1	491.1	491.1	493.1	495.2
32.5°	443.6	441.5	443.6	443.6	445.7
35°	398.2	398.2	398.2	398.2	400.3
37.5°	356.9	356.9	356.9	359.0	359.0
40°	319.8	319.8	319.8	321.9	321.9
42.5°	286.8	286.8	286.8	288.9	290.9
45°	257.9	257.9	257.9	257.9	260.0
47.5°	231.1	231.1	231.1	233.1	233.1
50°	206.3	204.3	206.3	208.4	206.3
52.5°	183.6	183.6	183.6	183.6	185.7
55°	163.0	163.0	163.0	163.0	165.1
57.5°	144.4	144.4	144.4	146.5	146.5
60°	127.9	127.9	127.9	127.9	127.9
62.5°	111.4	111.4	111.4	111.4	111.4
65°	97.0	94.9	97.0	97.0	97.0
67.5°	82.5	82.5	82.5	82.5	82.5
70°	70.2	70.2	70.2	70.2	70.2
72.5°	57.8	57.8	57.8	57.8	57.8
75°	47.5	45.4	45.4	47.5	47.5
77.5°	37.1	35.1	37.1	37.1	37.1
80°	26.8	26.8	26.8	26.8	26.8
82.5°	16.5	16.5	16.5	18.6	18.6
85°	8.3	8.3	8.3	10.3	10.3
87.5°	2.1	2.1	2.1	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)