

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: P1306214

Luminaire Tested: P3SQAS20R259024D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306214
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: P3SQAS20R259024D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

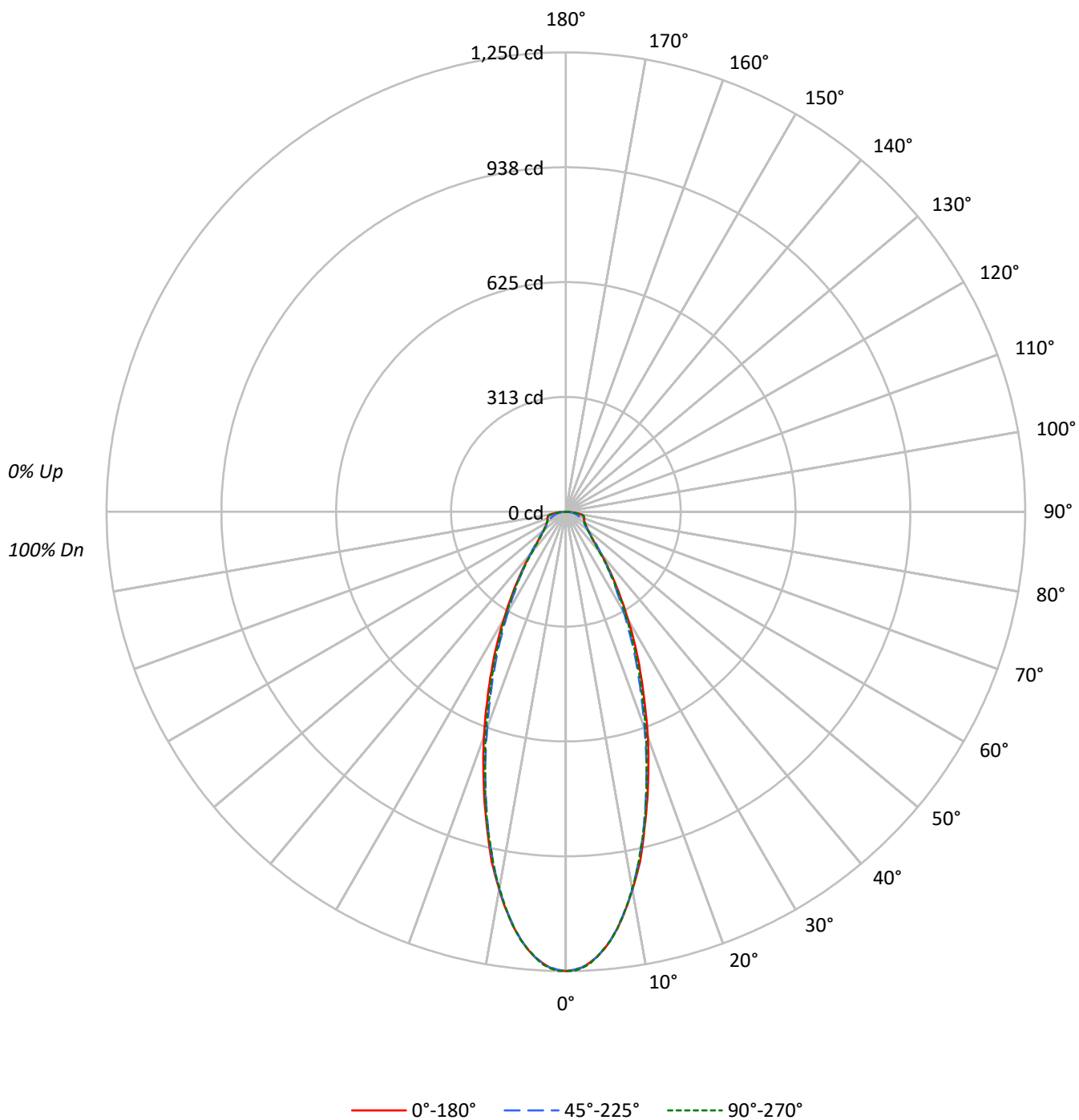
Lumens per Lamp: N/A
Luminaire Lumens: 944.0 lumens
Efficiency: N/A
Efficacy: 32.8 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94	92	91	89
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87	84	81	80
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80	77	74	72
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75	71	68	66
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70	66	63	61
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66	62	58	56
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62	58	54	53
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59	54	51	49
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56	51	48	46
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	215261	215261	215261
5°	206540	206281	206281
10°	182592	182329	181805
15°	150787	148665	149467
20°	119459	114547	116453
25°	90985	86158	88438
30°	67038	62285	64969
35°	47978	45791	46422
40°	32869	33543	31857
45°	24332	25793	23966
50°	21193	21193	20791
55°	20148	19247	20148
60°	20563	19013	20563
65°	22495	19438	22495
70°	27040	19538	26285
75°	33737	20828	33737
80°	42945	22216	39969
85°	35371	20551	35371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 42945 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.1	11.6
10°-20°	231.8	24.6
20°-30°	212.4	22.5
30°-40°	140.1	14.8
40°-50°	81.5	8.6
50°-60°	59.6	6.3
60°-70°	50.6	5.4
70°-80°	41.8	4.4
80°-90°	17.2	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°	553.2	58.6
0°-40°	693.3	73.4
0°-60°	834.4	88.4
0°-90°	944.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	944.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1250	1250	1250	1250	1250	
5°	1195	1193	1193	1195	1193	109
15°	846	843	834	837	838	234
25°	479	465	453	455	465	220
35°	228	224	218	218	221	144
45°	100	103	106	100	98	81
55°	67	67	64	66	67	61
65°	55	51	48	51	55	55
75°	51	39	31	39	51	53
85°	18	19	10	19	18	20
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1249.9	1249.9	1249.9	1249.9	1249.9
1°	1246.9	1246.9	1246.9	1246.9	1249.9
2°	1241.0	1239.5	1241.0	1241.0	1242.5
3°	1229.0	1229.0	1229.0	1229.0	1232.0
4°	1214.1	1214.1	1214.1	1214.1	1214.1
5°	1194.7	1193.2	1193.2	1194.7	1193.2
6°	1170.9	1170.9	1170.9	1170.9	1172.4
7°	1144.0	1142.5	1142.5	1141.0	1144.0
8°	1112.7	1112.7	1111.2	1109.7	1112.7
9°	1079.9	1081.4	1078.4	1076.9	1076.9
10°	1044.1	1042.6	1042.6	1042.6	1039.6
11°	1008.3	1003.8	1002.3	1002.3	1005.3
12°	972.5	965.0	962.1	962.1	962.1
13°	929.2	926.3	921.8	918.8	920.3
14°	886.0	886.0	878.5	878.5	881.5
15°	845.7	842.7	833.8	836.8	838.3
17.5°	745.8	739.8	729.4	729.4	730.9
20°	651.8	641.4	625.0	632.4	635.4
22.5°	559.3	548.9	532.5	539.9	542.9
25°	478.8	465.4	453.4	454.9	465.4
27.5°	405.7	390.8	378.9	383.3	389.3
30°	337.1	328.1	313.2	320.7	326.7
32.5°	278.9	271.5	261.0	265.5	271.5
35°	228.2	223.7	217.8	217.8	220.8
37.5°	185.0	183.5	180.5	179.0	177.5
40°	146.2	149.2	149.2	146.2	141.7
42.5°	119.3	122.3	125.3	119.3	114.9
45°	99.9	102.9	105.9	99.9	98.4
47.5°	88.0	89.5	91.0	88.0	86.5
50°	79.1	79.1	79.1	77.6	77.6
52.5°	73.1	71.6	70.1	71.6	71.6
55°	67.1	67.1	64.1	65.6	67.1
57.5°	62.6	61.2	59.7	61.2	62.6
60°	59.7	56.7	55.2	56.7	59.7
62.5°	56.7	53.7	50.7	53.7	56.7
65°	55.2	50.7	47.7	50.7	55.2
67.5°	53.7	47.7	43.3	47.7	53.7
70°	53.7	44.7	38.8	44.7	52.2
72.5°	52.2	41.8	35.8	41.8	52.2
75°	50.7	38.8	31.3	38.8	50.7
77.5°	49.2	35.8	26.8	35.8	47.7
80°	43.3	32.8	22.4	32.8	40.3
82.5°	31.3	26.8	17.9	26.8	29.8
85°	17.9	19.4	10.4	19.4	17.9
87.5°	3.0	4.5	3.0	7.5	6.0



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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)