

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: P1307708

Luminaire Tested: P3SQAS05R359030DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307708
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R359030DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

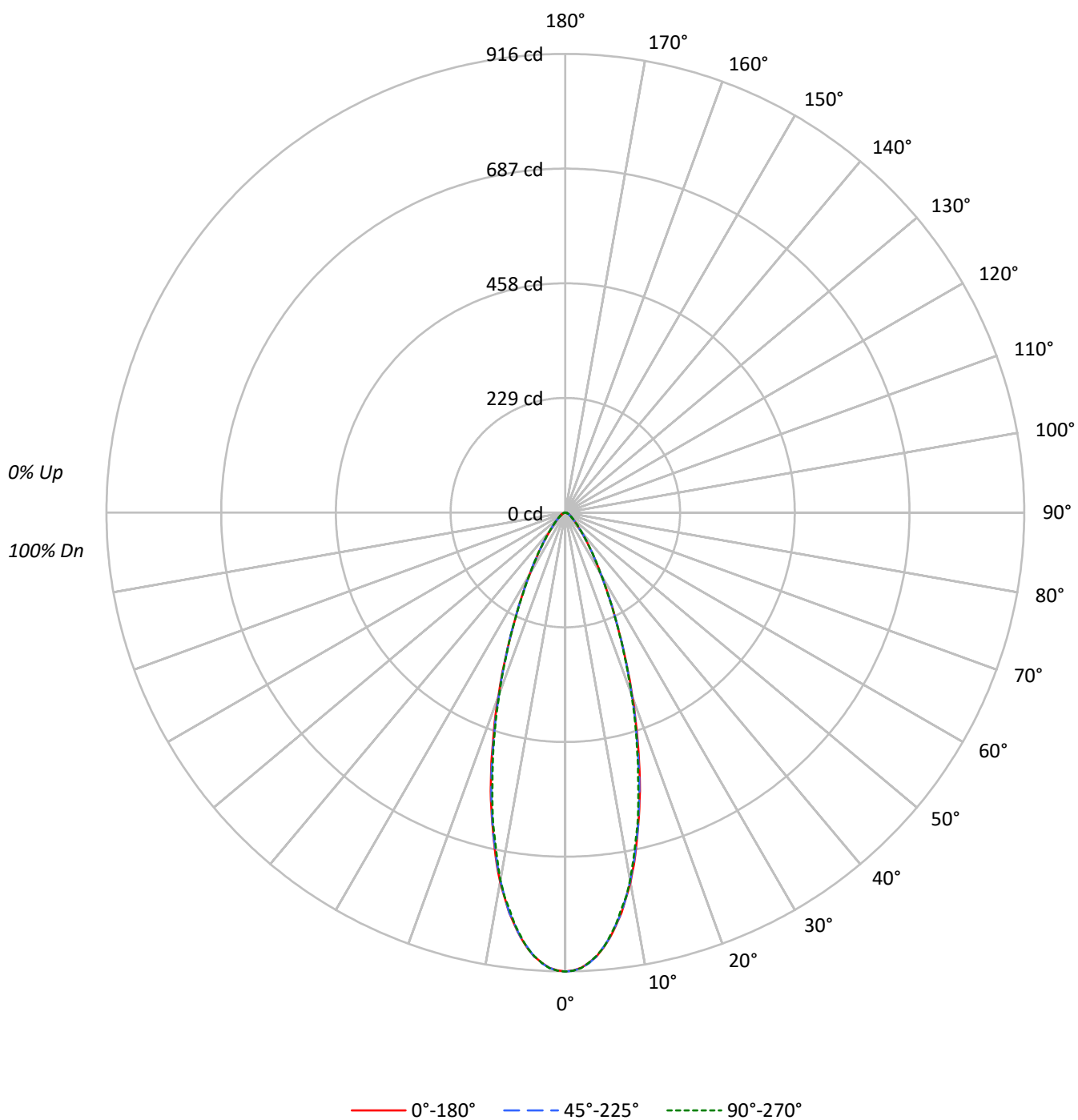
Lumens per Lamp: N/A
Luminaire Lumens: 452.0 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	157842	157842	157842
5°	150821	150562	150821
10°	130932	130495	130320
15°	102610	101790	100186
20°	71771	71129	70671
25°	45587	45872	45587
30°	28080	28279	28080
35°	17366	17471	17471
40°	11039	11151	11151
45°	7453	7575	7696
50°	5359	5493	5493
55°	4204	4204	4204
60°	3444	3444	3444
65°	3056	3056	3056
70°	2769	2769	2769
75°	2329	2329	2329
80°	1984	1984	1984
85°	988	988	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 7696 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.2	17.5
10°-20°	155.9	34.5
20°-30°	112.5	24.9
30°-40°	54.2	12.0
40°-50°	25.0	5.5
50°-60°	12.9	2.9
60°-70°	7.5	1.7
70°-80°	3.8	0.8
80°-90°	0.9	0.2
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°	347.7	76.9
0°-40°	401.9	88.9
0°-60°	439.8	97.3
0°-90°	452.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	452.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	916	916	916	916	916	
5°	872	874	871	871	872	79
15°	576	574	571	568	562	157
25°	240	240	241	241	240	113
35°	83	83	83	83	83	54
45°	31	31	31	32	32	25
55°	14	14	14	14	14	13
65°	8	8	8	8	8	7
75°	4	4	4	4	4	4
85°	0	0	0	0	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	916.5	916.5	916.5	916.5	916.5
1°	914.0	915.5	915.0	915.5	915.0
2°	909.5	910.5	909.5	910.0	910.0
3°	900.0	901.0	901.0	900.5	900.0
4°	888.5	891.0	888.5	889.0	887.5
5°	872.4	874.4	870.9	871.4	872.4
6°	852.9	853.4	852.4	851.9	850.9
7°	830.4	832.4	828.9	829.4	828.4
8°	806.3	805.8	805.8	803.8	800.8
9°	777.3	779.3	776.3	775.3	775.8
10°	748.7	748.7	746.2	743.7	745.2
11°	716.2	715.2	713.7	710.2	709.2
12°	680.6	682.6	678.1	676.6	673.1
13°	644.1	647.1	645.1	639.6	640.1
14°	610.0	608.0	606.5	605.5	602.0
15°	575.5	574.5	570.9	568.4	561.9
17.5°	480.8	481.8	475.3	474.3	471.8
20°	391.6	388.6	388.1	388.6	385.6
22.5°	309.0	312.0	308.5	309.0	307.0
25°	239.9	240.4	241.4	241.4	239.9
27.5°	186.3	186.3	185.3	186.3	184.8
30°	141.2	141.2	142.2	143.2	141.2
32.5°	109.2	109.2	109.2	109.7	110.2
35°	82.6	82.6	83.1	83.1	83.1
37.5°	63.6	64.1	64.6	64.6	64.6
40°	49.1	49.6	49.6	50.1	49.6
42.5°	39.1	39.1	39.1	39.6	39.6
45°	30.6	31.1	31.1	31.6	31.6
47.5°	25.0	25.0	25.0	25.5	25.5
50°	20.0	20.5	20.5	20.5	20.5
52.5°	16.5	16.5	17.0	17.0	17.0
55°	14.0	14.0	14.0	14.0	14.0
57.5°	11.5	12.0	12.0	12.0	12.0
60°	10.0	10.0	10.0	10.0	10.0
62.5°	8.5	8.5	8.5	8.5	8.5
65°	7.5	7.5	7.5	7.5	7.5
67.5°	6.0	6.5	6.5	6.5	6.5
70°	5.5	5.5	5.5	5.5	5.5
72.5°	4.0	4.5	4.5	4.5	4.5
75°	3.5	3.5	3.5	3.5	3.5
77.5°	3.0	2.5	2.5	2.5	3.0
80°	2.0	2.0	2.0	2.0	2.0
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.5	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.5	0.5



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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)