

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: P1307220

Luminaire Tested: P3SQAS20R359027D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307220
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359027D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

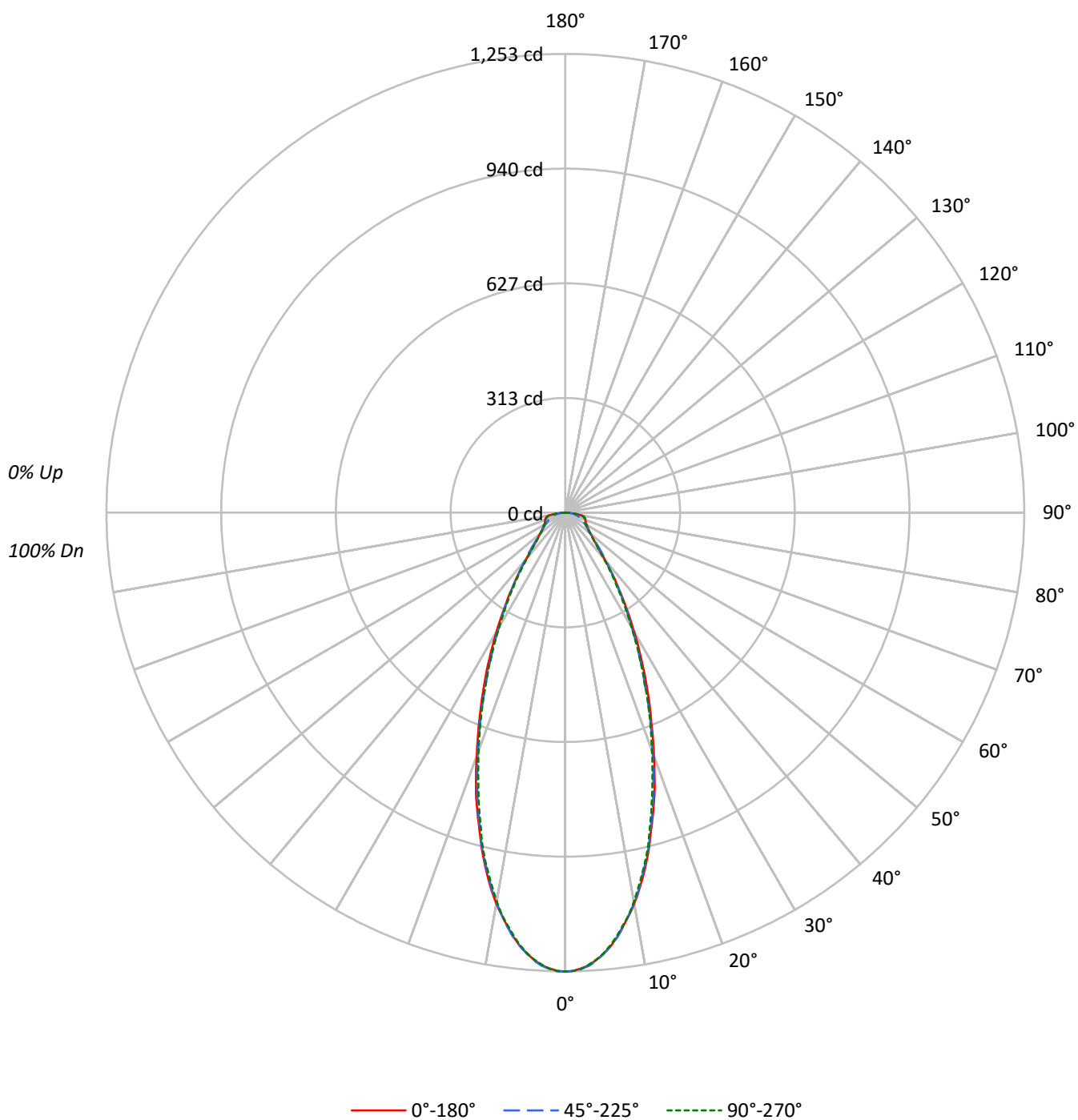
Lumens per Lamp: N/A
Luminaire Lumens: 1037.0 lumens
Efficiency: N/A
Efficacy: 36.0 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	101	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	69	64	73	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66
7	77	66	60	55	76	66	59	54	64	58	54		63	58	54		62
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	215864	215864	215864
5°	208770	209047	208770
10°	189657	189377	188555
15°	160985	160433	159024
20°	129612	127871	126717
25°	100182	97199	97199
30°	74714	72208	71572
35°	53760	53108	51783
40°	37613	38692	36196
45°	28058	29592	27303
50°	24114	24114	23685
55°	22760	21799	22279
60°	23388	21218	22286
65°	25103	21231	24451
70°	29407	22257	28601
75°	36731	23090	35733
80°	47011	25092	42250
85°	37347	24898	37347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 47011 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.3	10.7
10°-20°	248.4	24.0
20°-30°	237.2	22.9
30°-40°	159.4	15.4
40°-50°	93.5	9.0
50°-60°	66.9	6.5
60°-70°	55.7	5.4
70°-80°	45.7	4.4
80°-90°	18.8	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°	597.0	57.6
0°-40°	756.4	72.9
0°-60°	916.8	88.4
0°-90°	1037.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1037.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1253	1253	1253	1253	1253	
5°	1208	1211	1209	1208	1208	111
15°	903	904	900	894	892	250
25°	527	521	512	512	512	242
35°	256	256	253	248	246	162
45°	115	118	122	115	112	93
55°	76	74	73	73	74	69
65°	62	55	52	55	60	61
75°	55	43	35	43	54	57
85°	19	20	13	20	19	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1253.4	1253.4	1253.4	1253.4	1253.4
1°	1251.8	1253.4	1253.4	1251.8	1251.8
2°	1245.5	1248.6	1247.1	1245.5	1247.1
3°	1237.6	1240.7	1239.2	1237.6	1236.0
4°	1225.0	1228.1	1226.5	1223.4	1223.4
5°	1207.6	1210.7	1209.2	1207.6	1207.6
6°	1190.2	1193.4	1190.2	1187.1	1187.1
7°	1166.5	1171.3	1168.1	1165.0	1163.4
8°	1139.7	1144.4	1141.3	1139.7	1136.6
9°	1112.9	1116.0	1111.3	1111.3	1111.3
10°	1084.5	1086.0	1082.9	1078.2	1078.2
11°	1052.9	1051.3	1049.7	1046.6	1043.4
12°	1018.2	1018.2	1013.4	1010.3	1008.7
13°	981.9	980.3	977.1	974.0	974.0
14°	944.0	944.0	940.8	934.5	936.1
15°	902.9	904.5	899.8	893.5	891.9
17.5°	809.8	806.6	798.7	794.0	789.3
20°	707.2	705.6	697.7	693.0	691.4
22.5°	612.5	610.9	603.0	598.3	601.4
25°	527.2	520.9	511.5	511.5	511.5
27.5°	448.3	440.4	434.1	430.9	434.1
30°	375.7	369.4	363.1	361.5	359.9
32.5°	311.0	307.8	304.7	299.9	299.9
35°	255.7	255.7	252.6	247.8	246.3
37.5°	208.4	209.9	208.4	203.6	202.1
40°	167.3	170.5	172.1	167.3	161.0
42.5°	137.3	142.1	145.2	137.3	132.6
45°	115.2	118.4	121.5	115.2	112.1
47.5°	101.0	102.6	104.2	99.4	97.9
50°	90.0	90.0	90.0	88.4	88.4
52.5°	82.1	82.1	80.5	78.9	78.9
55°	75.8	74.2	72.6	72.6	74.2
57.5°	71.0	69.5	66.3	67.9	69.5
60°	67.9	64.7	61.6	63.1	64.7
62.5°	63.1	60.0	56.8	58.4	61.6
65°	61.6	55.2	52.1	55.2	60.0
67.5°	60.0	52.1	47.4	52.1	58.4
70°	58.4	48.9	44.2	48.9	56.8
72.5°	56.8	45.8	39.5	45.8	55.2
75°	55.2	42.6	34.7	42.6	53.7
77.5°	52.1	39.5	30.0	39.5	48.9
80°	47.4	36.3	25.3	34.7	42.6
82.5°	34.7	30.0	20.5	30.0	31.6
85°	18.9	20.5	12.6	20.5	18.9
87.5°	1.6	3.2	3.2	9.5	6.3



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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)