

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: P1247658

Luminaire Tested: P3A20R359024D010 E3PH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247658
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R359024D010 E3PH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

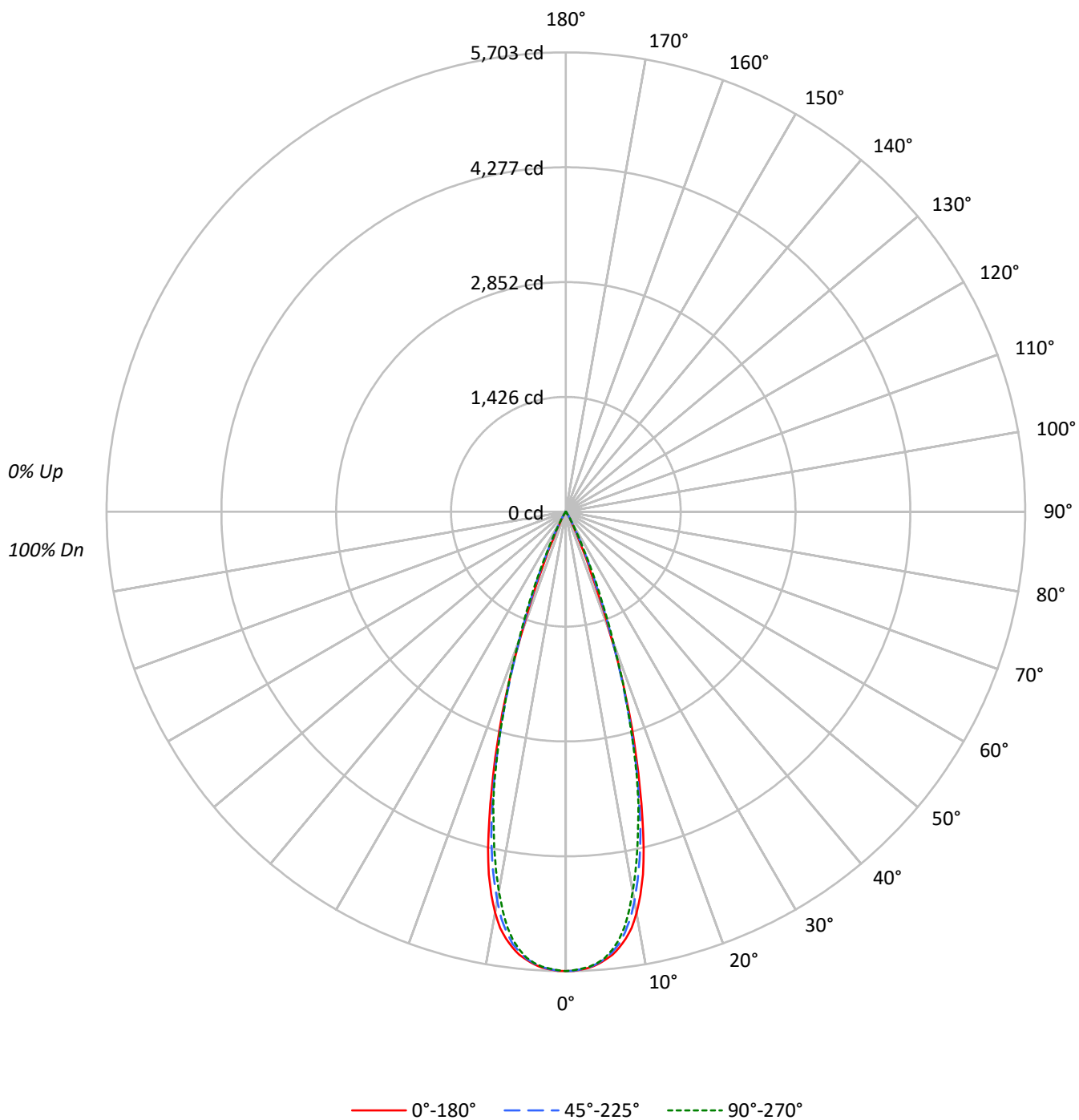
Lumens per Lamp: N/A
Luminaire Lumens: 1731.0 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1247658

CATALOG NUMBER: P3A20R359024D010 E3PH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1247658

CATALOG NUMBER: P3A20R359024D010 E3PH1MW

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93	92	91
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90	89	87
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87	85	83
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	82	80
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	79	77
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	78	76	75
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	76	74	73
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	74	72	71
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1250558	1250558	1250558
5°	1229097	1226455	1223836
10°	1126432	1092587	1066023
15°	806588	780867	771401
20°	374019	386900	400458
25°	88747	126249	131669
30°	26055	29827	33600
35°	5996	9583	8780
40°	1288	2548	1718
45°	465	465	465
50°	512	0	512
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 540 cd/sqm

TEST NUMBER: P1247658

CATALOG NUMBER: P3A20R359024D010 E3PH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	512.0	29.6
10°-20°	915.3	52.9
20°-30°	275.4	15.9
30°-40°	26.3	1.5
40°-50°	1.8	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1702.7	98.4
0°-40°	1729.1	99.9
0°-60°	1731.0	100.0
0°-90°	1731.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1731.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5703	5703	5703	5703	5703	
5°	5584	5582	5572	5564	5560	518
15°	3553	3526	3440	3425	3398	938
25°	367	404	522	544	544	236
35°	22	30	36	39	33	21
45°	2	2	2	2	2	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1247658

CATALOG NUMBER: P3A20R359024D010 E3PH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5703.0	5703.0	5703.0	5703.0	5703.0
1°	5700.1	5700.1	5697.1	5697.1	5691.1
2°	5686.6	5688.1	5682.2	5680.7	5676.2
3°	5665.8	5661.3	5661.3	5658.3	5655.3
4°	5633.0	5624.0	5621.0	5622.5	5616.6
5°	5583.8	5582.3	5571.8	5564.4	5559.9
6°	5530.1	5519.7	5497.3	5477.9	5473.4
7°	5449.6	5427.2	5407.8	5367.6	5361.6
8°	5351.2	5315.4	5273.6	5217.0	5214.0
9°	5230.4	5172.3	5114.1	5038.1	5011.2
10°	5058.9	5005.3	4906.9	4839.8	4787.6
11°	4845.7	4778.6	4663.8	4583.3	4540.1
12°	4604.2	4541.6	4407.4	4334.3	4273.2
13°	4294.1	4241.9	4116.6	4036.1	3988.4
14°	3934.7	3896.0	3776.7	3740.9	3724.5
15°	3553.0	3526.2	3439.7	3424.8	3398.0
17.5°	2615.2	2570.5	2521.3	2530.2	2539.2
20°	1602.8	1665.4	1658.0	1690.8	1716.1
22.5°	799.2	879.7	973.6	1030.3	1058.6
25°	366.8	404.1	521.8	544.2	544.2
27.5°	184.9	193.8	246.0	250.5	262.4
30°	102.9	110.3	117.8	131.2	132.7
32.5°	52.2	61.1	64.1	71.6	68.6
35°	22.4	29.8	35.8	38.8	32.8
37.5°	10.4	13.4	19.4	17.9	13.4
40°	4.5	6.0	8.9	7.5	6.0
42.5°	3.0	3.0	4.5	3.0	3.0
45°	1.5	1.5	1.5	1.5	1.5
47.5°	1.5	1.5	0.0	1.5	1.5
50°	1.5	0.0	0.0	0.0	1.5
52.5°	1.5	0.0	0.0	0.0	1.5
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1247658

CATALOG NUMBER: P3A20R359024D010 E3PH1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)