

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: P1270211

Luminaire Tested: P3A17R359740DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270211
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: P3A17R359740DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

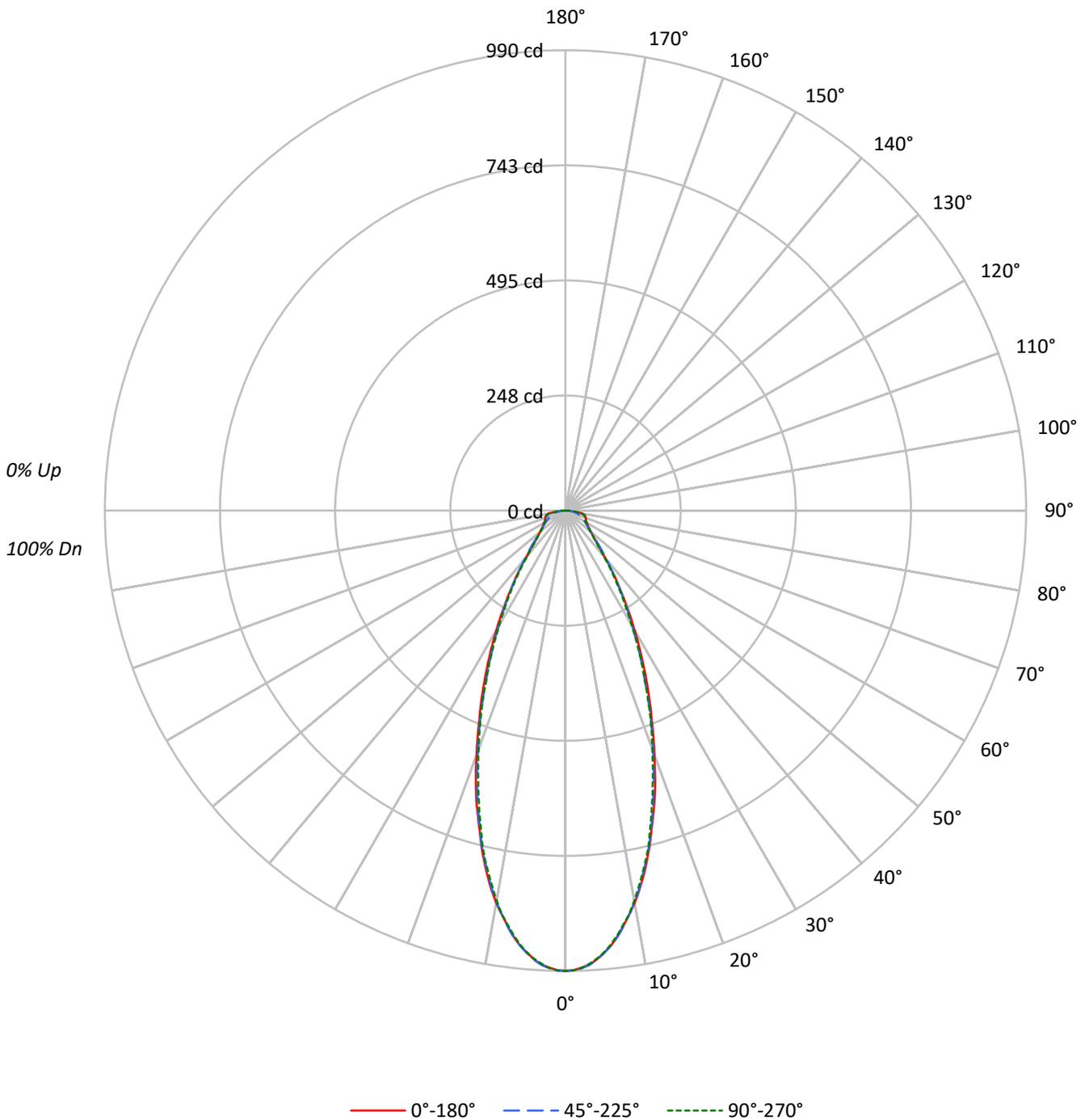
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 819.0 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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

TEST NUMBER: P1270211
CATALOG NUMBER: P3A17R359740DE010 E3PHLP1MW

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	89	
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	81	79	
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	74	72	
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	65	
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	62	60	
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	57	56	
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	54	52	
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	50	49	
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	47	46	
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	44	43	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	217066	217066	217066
5°	209927	210213	209927
10°	190711	190422	189598
15°	161885	161318	159910
20°	130328	128578	127434
25°	100748	97723	97723
30°	75125	72593	71960
35°	54074	53405	52066
40°	37842	38901	36411
45°	28220	29771	27445
50°	24255	24255	23812
55°	22862	21906	22403
60°	23507	21314	22410
65°	25217	21325	24594
70°	29556	22376	28787
75°	36939	23214	35923
80°	47228	25129	42556
85°	37739	25160	37739

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 47228 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	10.7
10°-20°	196.2	24.0
20°-30°	187.4	22.9
30°-40°	125.9	15.4
40°-50°	73.9	9.0
50°-60°	52.8	6.5
60°-70°	44.0	5.4
70°-80°	36.1	4.4
80°-90°	14.9	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°	471.5	57.6
0°-40°	597.4	72.9
0°-60°	724.1	88.4
0°-90°	819.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	819.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	990	990	990	990	990	
5°	954	956	955	954	954	88
15°	713	714	711	706	704	198
25°	416	411	404	404	404	191
35°	202	202	200	196	194	128
45°	91	94	96	91	88	73
55°	60	59	57	57	59	54
65°	49	44	41	44	47	49
75°	44	34	27	34	42	45
85°	15	16	10	16	15	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	989.9	989.9	989.9	989.9	989.9
1°	988.6	989.9	989.9	988.6	988.6
2°	983.7	986.1	984.9	983.7	984.9
3°	977.4	979.9	978.7	977.4	976.2
4°	967.4	969.9	968.7	966.2	966.2
5°	953.7	956.2	955.0	953.7	953.7
6°	940.0	942.5	940.0	937.5	937.5
7°	921.3	925.1	922.6	920.1	918.8
8°	900.1	903.9	901.4	900.1	897.6
9°	878.9	881.4	877.7	877.7	877.7
10°	856.5	857.7	855.2	851.5	851.5
11°	831.6	830.3	829.1	826.6	824.1
12°	804.1	804.1	800.4	797.9	796.6
13°	775.5	774.2	771.7	769.2	769.2
14°	745.5	745.5	743.0	738.0	739.3
15°	713.1	714.4	710.6	705.6	704.4
17.5°	639.6	637.1	630.8	627.1	623.4
20°	558.5	557.3	551.0	547.3	546.1
22.5°	483.7	482.5	476.2	472.5	475.0
25°	416.4	411.4	403.9	403.9	403.9
27.5°	354.1	347.8	342.8	340.4	342.8
30°	296.7	291.7	286.7	285.5	284.2
32.5°	245.6	243.1	240.6	236.9	236.9
35°	202.0	202.0	199.5	195.7	194.5
37.5°	164.6	165.8	164.6	160.8	159.6
40°	132.2	134.6	135.9	132.2	127.2
42.5°	108.5	112.2	114.7	108.5	104.7
45°	91.0	93.5	96.0	91.0	88.5
47.5°	79.8	81.0	82.3	78.5	77.3
50°	71.1	71.1	71.1	69.8	69.8
52.5°	64.8	64.8	63.6	62.3	62.3
55°	59.8	58.6	57.3	57.3	58.6
57.5°	56.1	54.9	52.4	53.6	54.9
60°	53.6	51.1	48.6	49.9	51.1
62.5°	49.9	47.4	44.9	46.1	48.6
65°	48.6	43.6	41.1	43.6	47.4
67.5°	47.4	41.1	37.4	41.1	46.1
70°	46.1	38.6	34.9	38.6	44.9
72.5°	44.9	36.2	31.2	36.2	43.6
75°	43.6	33.7	27.4	33.7	42.4
77.5°	41.1	31.2	23.7	31.2	38.6
80°	37.4	28.7	19.9	27.4	33.7
82.5°	27.4	23.7	16.2	23.7	24.9
85°	15.0	16.2	10.0	16.2	15.0
87.5°	1.2	2.5	2.5	7.5	5.0



TEST NUMBER: P1270211
CATALOG NUMBER: P3A17R359740DE010 E3PHLP1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)