

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: P1268210

Luminaire Tested: P3A20R359735D010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268210
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: P3A20R359735D010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

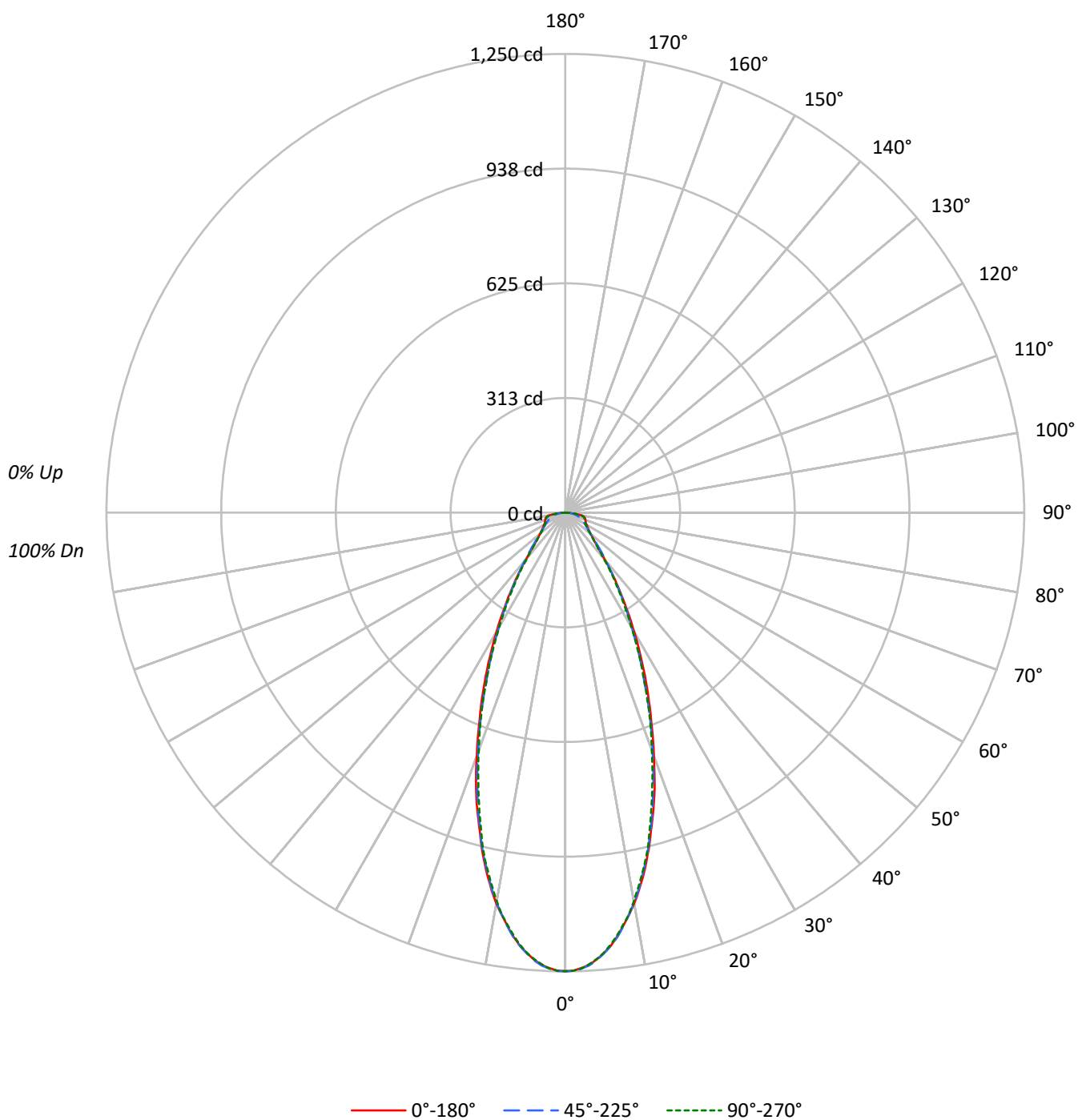
Lumens per Lamp: N/A
Luminaire Lumens: 1034.0 lumens
Efficiency: N/A
Efficacy: 35.9 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	274035	274035	274035
5°	265044	265397	265044
10°	240766	240432	239363
15°	204383	203679	201885
20°	164538	162344	160874
25°	127193	123394	123394
30°	94850	91660	90875
35°	68262	67405	65718
40°	47747	49121	45943
45°	35632	37585	34670
50°	30600	30600	30054
55°	28902	27679	28291
60°	29691	26928	28287
65°	31858	26929	31028
70°	37314	28274	36352
75°	46683	29314	45327
80°	59604	31822	53668
85°	47552	31701	47552

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 59604 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.0	10.7
10°-20°	247.7	24.0
20°-30°	236.6	22.9
30°-40°	158.9	15.4
40°-50°	93.3	9.0
50°-60°	66.7	6.5
60°-70°	55.5	5.4
70°-80°	45.5	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°	595.3	57.6
0°-40°	754.2	72.9
0°-60°	914.2	88.4
0°-90°	1034.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1034.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1250	1250	1250	1250	1250	
5°	1204	1207	1206	1204	1204	111
15°	900	902	897	891	889	250
25°	526	519	510	510	510	241
35°	255	255	252	247	246	161
45°	115	118	121	115	112	92
55°	76	74	72	72	74	69
65°	61	55	52	55	60	61
75°	55	42	35	42	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°	1249.7	1249.7	1249.7	1249.7	1249.7
1°	1248.2	1249.7	1249.7	1248.2	1248.2
2°	1241.9	1245.0	1243.4	1241.9	1243.4
3°	1234.0	1237.2	1235.6	1234.0	1232.4
4°	1221.4	1224.6	1223.0	1219.8	1219.8
5°	1204.1	1207.2	1205.7	1204.1	1204.1
6°	1186.8	1189.9	1186.8	1183.6	1183.6
7°	1163.2	1167.9	1164.7	1161.6	1160.0
8°	1136.4	1141.1	1138.0	1136.4	1133.3
9°	1109.7	1112.8	1108.1	1108.1	1108.1
10°	1081.3	1082.9	1079.8	1075.0	1075.0
11°	1049.8	1048.3	1046.7	1043.6	1040.4
12°	1015.2	1015.2	1010.5	1007.4	1005.8
13°	979.0	977.4	974.3	971.1	971.1
14°	941.2	941.2	938.1	931.8	933.4
15°	900.3	901.9	897.2	890.9	889.3
17.5°	807.5	804.3	796.4	791.7	787.0
20°	705.1	703.6	695.7	691.0	689.4
22.5°	610.7	609.1	601.3	596.5	599.7
25°	525.7	519.4	510.0	510.0	510.0
27.5°	447.0	439.1	432.8	429.7	432.8
30°	374.6	368.3	362.0	360.4	358.9
32.5°	310.1	306.9	303.8	299.1	299.1
35°	255.0	255.0	251.8	247.1	245.5
37.5°	207.8	209.3	207.8	203.0	201.5
40°	166.8	170.0	171.6	166.8	160.5
42.5°	136.9	141.7	144.8	136.9	132.2
45°	114.9	118.0	121.2	114.9	111.8
47.5°	100.7	102.3	103.9	99.2	97.6
50°	89.7	89.7	89.7	88.1	88.1
52.5°	81.8	81.8	80.3	78.7	78.7
55°	75.6	74.0	72.4	72.4	74.0
57.5°	70.8	69.3	66.1	67.7	69.3
60°	67.7	64.5	61.4	63.0	64.5
62.5°	63.0	59.8	56.7	58.2	61.4
65°	61.4	55.1	51.9	55.1	59.8
67.5°	59.8	51.9	47.2	51.9	58.2
70°	58.2	48.8	44.1	48.8	56.7
72.5°	56.7	45.6	39.3	45.6	55.1
75°	55.1	42.5	34.6	42.5	53.5
77.5°	51.9	39.3	29.9	39.3	48.8
80°	47.2	36.2	25.2	34.6	42.5
82.5°	34.6	29.9	20.5	29.9	31.5
85°	18.9	20.5	12.6	20.5	18.9
87.5°	1.6	3.1	3.1	9.4	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)