

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: P1288148

Luminaire Tested: P3A05R20W2N902750DE010 E3DL1WMH_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1288148
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R20W2N902750DE010 E3DL1WMH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,
E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

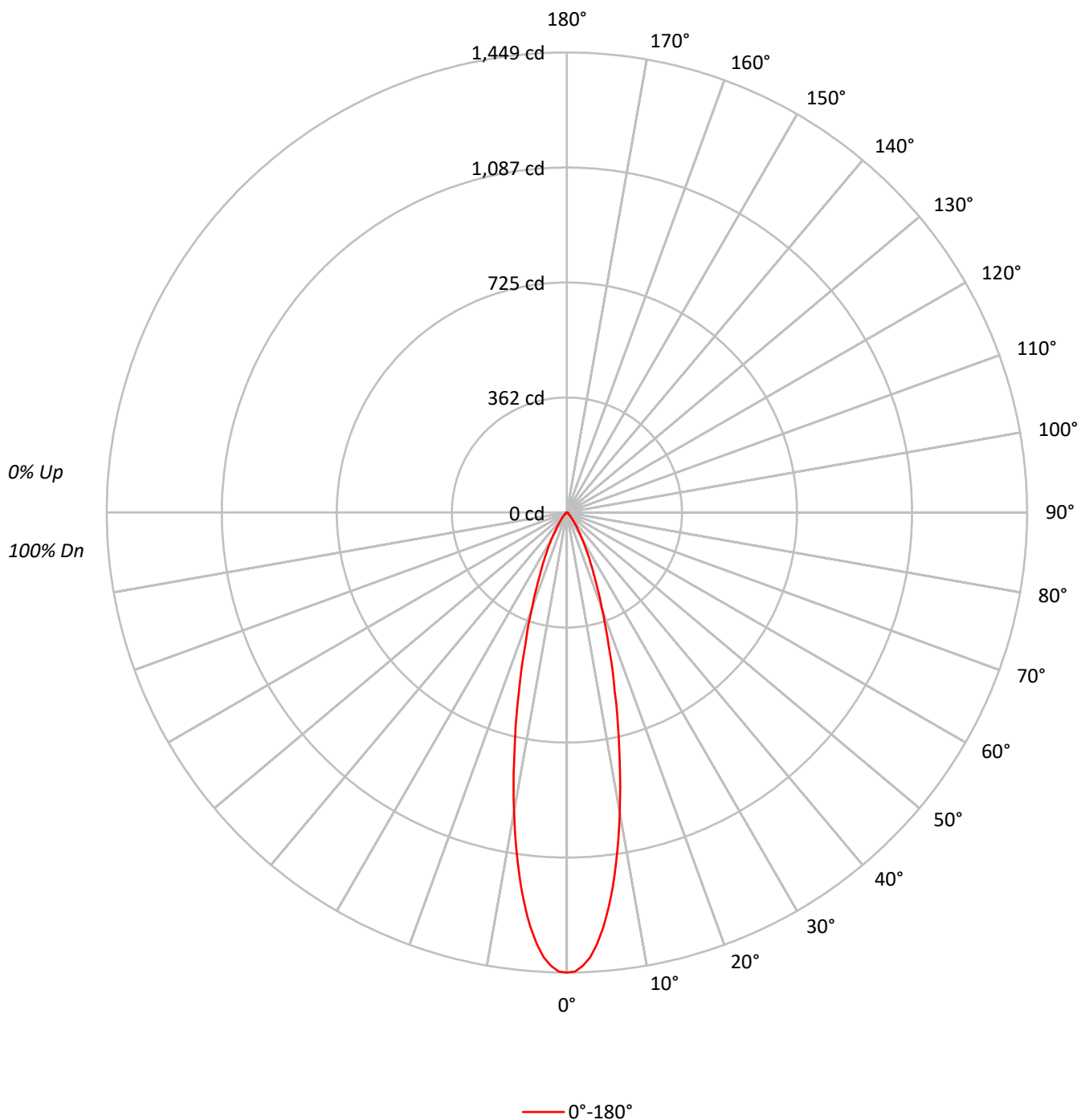
Lumens per Lamp: N/A
Luminaire Lumens: 413.0 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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: P1288148

CATALOG NUMBER: P3A05R20W2N902750DE010 E3DL1WMH_5000K

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97		95
2	110	106	102	100	108	104	101	98	101	98	96		98	96	94		95	94	92		91
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92	90	88		87
4	102	96	91	88	100	95	90	87	92	89	86		91	88	85		89	86	84		83
5	98	91	87	83	97	90	86	83	89	85	82		87	84	81		86	83	81		79
6	95	87	83	79	93	87	82	79	85	81	78		84	81	78		83	80	77		76
7	91	84	79	76	90	83	79	76	82	78	75		81	78	75		80	77	75		73
8	88	81	76	73	87	80	76	73	79	75	72		78	75	72		77	74	72		71
9	85	78	73	70	85	77	73	70	77	73	70		76	72	69		75	72	69		68
10	83	75	71	68	82	75	70	67	74	70	67		73	70	67		73	69	67		66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	317760
5°	288839
10°	213467
15°	132055
20°	75420
25°	43043
30°	24156
35°	13144
40°	7185
45°	3969
50°	2320
55°	1682
60°	1579
65°	1453
70°	1282
75°	1356
80°	1010
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3969 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	27.5
10°-20°	162.2	39.3
20°-30°	84.7	20.5
30°-40°	32.7	7.9
40°-50°	10.6	2.6
50°-60°	4.2	1.0
60°-70°	2.8	0.7
70°-80°	1.6	0.4
80°-90°	0.5	0.1
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°	360.5	87.3
0°-40°	393.3	95.2
0°-60°	408.1	98.8
0°-90°	413.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	413.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1449	
5°	1312	114
15°	582	162
25°	178	85
35°	49	33
45°	13	11
55°	4	4
65°	3	3
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1449.1
1°	1446.3
2°	1429.1
3°	1402.8
4°	1362.1
5°	1312.2
6°	1253.2
7°	1187.8
8°	1111.9
9°	1038.1
10°	958.7
12.5°	762.0
15°	581.7
17.5°	435.3
20°	323.2
22.5°	239.4
25°	177.9
27.5°	131.3
30°	95.4
32.5°	69.0
35°	49.1
37.5°	35.5
40°	25.1
42.5°	18.0
45°	12.8
47.5°	9.2
50°	6.8
52.5°	5.2
55°	4.4
57.5°	4.0
60°	3.6
62.5°	3.2
65°	2.8
67.5°	2.4
70°	2.0
72.5°	2.0
75°	1.6
77.5°	1.2
80°	0.8
82.5°	0.8
85°	0.4
87.5°	0.4
90°	0.0

(END OF REPORT)