

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: P1295738

Luminaire Tested: P3A13R20W2N902750DE010 E3DL1WMH_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295738
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: P3A13R20W2N902750DE010 E3DL1WMH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,
E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

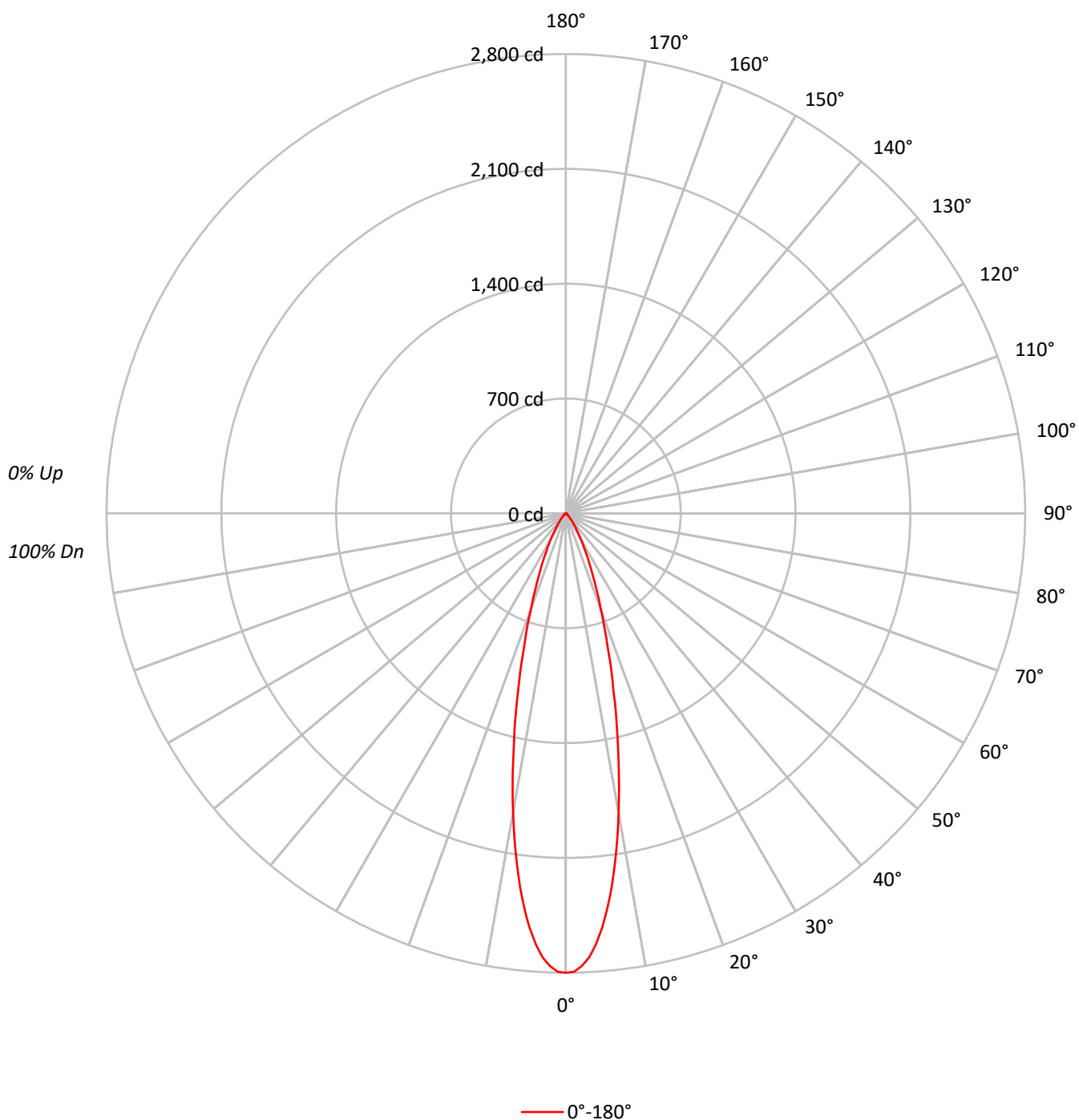
Lumens per Lamp: N/A
Luminaire Lumens: 798.0 lumens
Efficiency: N/A
Efficacy: 64.9 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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: P1295738

CATALOG NUMBER: P3A13R20W2N902750DE010 E3DL1WMH_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1295738

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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	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		78	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°	613964
5°	558110
10°	412484
15°	255166
20°	145706
25°	83182
30°	46640
35°	25377
40°	13912
45°	7660
50°	4469
55°	3250
60°	3026
65°	2802
70°	2500
75°	2626
80°	1894
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7660 cd/sqm

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CATALOG NUMBER: P3A13R20W2N902750DE010 E3DL1WMH_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.6	27.5
10°-20°	313.4	39.3
20°-30°	163.6	20.5
30°-40°	63.3	7.9
40°-50°	20.5	2.6
50°-60°	8.1	1.0
60°-70°	5.3	0.7
70°-80°	3.2	0.4
80°-90°	1.0	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°	696.6	87.3
0°-40°	759.8	95.2
0°-60°	788.4	98.8
0°-90°	798.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	798.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2800	
5°	2536	220
15°	1124	313
25°	344	164
35°	95	63
45°	25	21
55°	8	8
65°	5	5
75°	3	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2799.9
1°	2794.5
2°	2761.4
3°	2710.5
4°	2631.9
5°	2535.5
6°	2421.4
7°	2295.0
8°	2148.5
9°	2005.9
10°	1852.5
12.5°	1472.4
15°	1124.0
17.5°	841.1
20°	624.4
22.5°	462.5
25°	343.8
27.5°	253.6
30°	184.2
32.5°	133.4
35°	94.8
37.5°	68.6
40°	48.6
42.5°	34.7
45°	24.7
47.5°	17.7
50°	13.1
52.5°	10.0
55°	8.5
57.5°	7.7
60°	6.9
62.5°	6.2
65°	5.4
67.5°	4.6
70°	3.9
72.5°	3.9
75°	3.1
77.5°	2.3
80°	1.5
82.5°	1.5
85°	0.8
87.5°	0.8
90°	0.0

(END OF REPORT)