

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: P1295734

Luminaire Tested: P3A13R20W2N902750DE010 E3DL1WMH_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295734
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

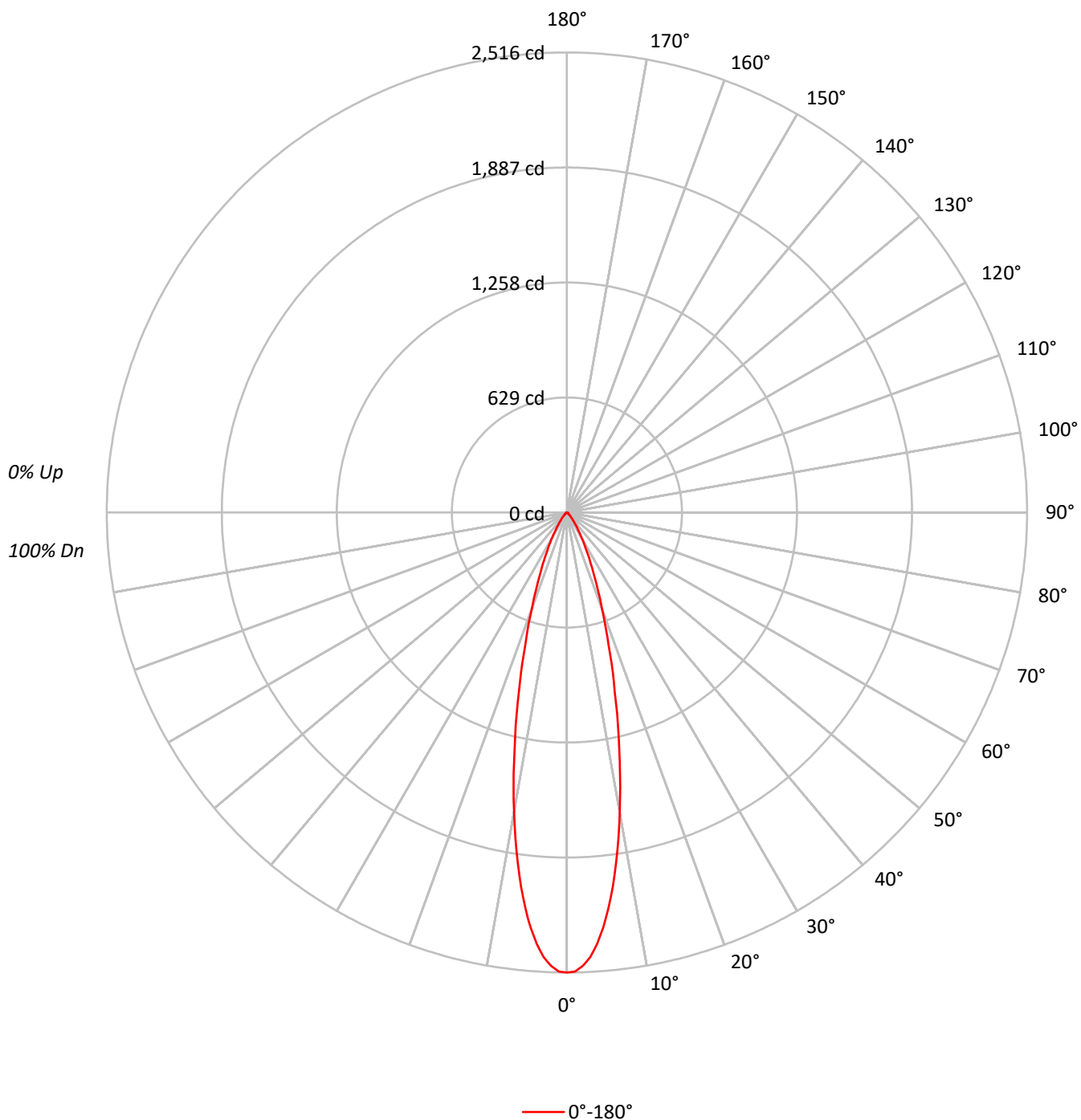
Lumens per Lamp: N/A
Luminaire Lumens: 717.0 lumens
Efficiency: N/A
Efficacy: 58.3 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1295734

CATALOG NUMBER: P3A13R20W2N902750DE010 E3DL1WMH_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1295734

CATALOG NUMBER: P3A13R20W2N902750DE010 E3DL1WMH_2700K

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°	551644
5°	501451
10°	370623
15°	229264
20°	130935
25°	74738
30°	41905
35°	22807
40°	12481
45°	6884
50°	4025
55°	2906
60°	2719
65°	2491
70°	2244
75°	2372
80°	1768
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 6884 cd/sqm

TEST NUMBER: P1295734

CATALOG NUMBER: P3A13R20W2N902750DE010 E3DL1WMH_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.3	27.5
10°-20°	281.6	39.3
20°-30°	147.0	20.5
30°-40°	56.8	7.9
40°-50°	18.4	2.6
50°-60°	7.2	1.0
60°-70°	4.8	0.7
70°-80°	2.9	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°	625.9	87.3
0°-40°	682.7	95.2
0°-60°	708.4	98.8
0°-90°	717.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	717.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2516	
5°	2278	197
15°	1010	282
25°	309	147
35°	85	57
45°	22	18
55°	8	7
65°	5	5
75°	3	3
85°	1	1
90°	0	

TEST NUMBER: P1295734

CATALOG NUMBER: P3A13R20W2N902750DE010 E3DL1WMH_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	2515.7
1°	2510.9
2°	2481.1
3°	2435.4
4°	2364.7
5°	2278.1
6°	2175.6
7°	2062.0
8°	1930.4
9°	1802.3
10°	1664.5
12.5°	1323.0
15°	1009.9
17.5°	755.7
20°	561.1
22.5°	415.6
25°	308.9
27.5°	227.9
30°	165.5
32.5°	119.8
35°	85.2
37.5°	61.6
40°	43.6
42.5°	31.2
45°	22.2
47.5°	15.9
50°	11.8
52.5°	9.0
55°	7.6
57.5°	6.9
60°	6.2
62.5°	5.5
65°	4.8
67.5°	4.2
70°	3.5
72.5°	3.5
75°	2.8
77.5°	2.1
80°	1.4
82.5°	1.4
85°	0.7
87.5°	0.7
90°	0.0

(END OF REPORT)