

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: P1281031

Luminaire Tested: P3AS05R20B2750DE010 E3D1WMH_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1281031
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R20B2750DE010 E3D1WMH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 80CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

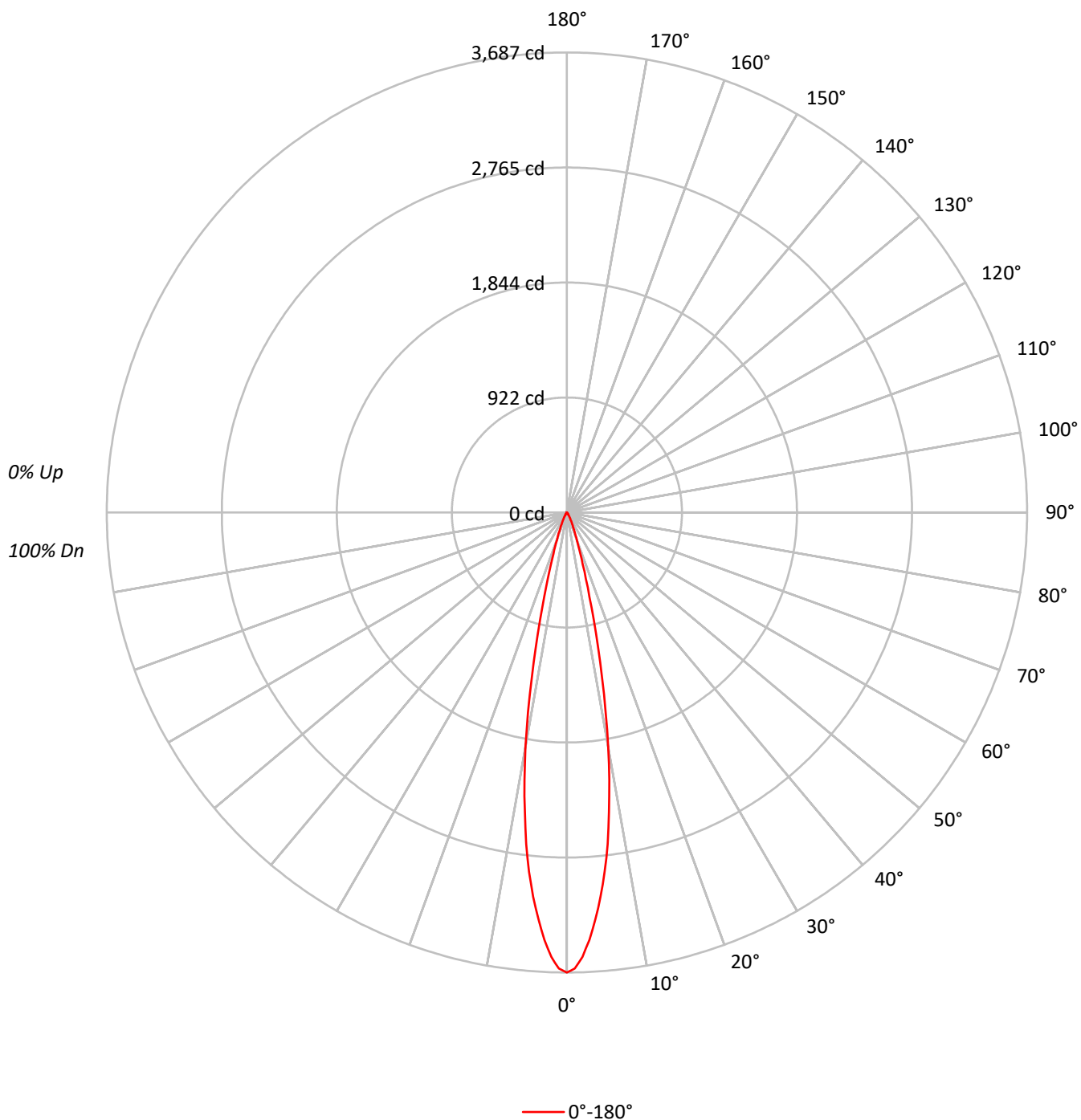
Lumens per Lamp: N/A
Luminaire Lumens: 533.0 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1281031

CATALOG NUMBER: P3AS05R20B2750DE010 E3D1WMH_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1281031

CATALOG NUMBER: P3AS05R20B2750DE010 E3D1WMH_5000K

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	115	114	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97
4	106	101	98	95	105	100	97	95	99	96	94		97	95	93		95
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		92
7	99	93	90	87	98	93	89	87	92	89	86		91	88	86		90
8	97	91	87	85	96	91	87	85	90	87	85		89	86	84		88
9	95	89	85	83	94	89	85	83	88	85	83		87	84	83		87
10	93	87	84	81	92	87	83	81	86	83	81		86	83	81		85

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	808510
5°	680738
10°	425176
15°	158957
20°	54558
25°	22743
30°	10711
35°	4792
40°	2261
45°	1178
50°	443
55°	76
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1178 cd/sqm

TEST NUMBER: P1281031

CATALOG NUMBER: P3AS05R20B2750DE010 E3D1WMH_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.2	48.3
10°-20°	211.8	39.7
20°-30°	48.1	9.0
30°-40°	12.2	2.3
40°-50°	3.1	0.6
50°-60°	0.4	0.1
60°-70°	0.1	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	517.2	97.0
0°-40°	529.4	99.3
0°-60°	532.9	100.0
0°-90°	533.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	533.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3687	
5°	3093	257
15°	700	212
25°	94	48
35°	18	12
45°	4	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1281031

CATALOG NUMBER: P3AS05R20B2750DE010 E3D1WMH_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	3687.1
1°	3655.9
2°	3563.8
3°	3431.6
4°	3269.5
5°	3092.6
6°	2895.4
7°	2677.9
8°	2424.1
9°	2172.5
10°	1909.5
11°	1629.7
12°	1350.2
13°	1113.5
14°	887.1
15°	700.2
16°	552.7
17°	436.0
18°	350.3
19°	284.9
20°	233.8
21°	195.5
22°	163.2
23°	135.7
24°	113.2
25°	94.0
27.5°	61.5
30°	42.3
32.5°	26.0
35°	17.9
37.5°	11.5
40°	7.9
42.5°	5.4
45°	3.8
47.5°	2.5
50°	1.3
52.5°	0.6
55°	0.2
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.0
70°	0.0
72.5°	0.0



TEST NUMBER: P1281031

CATALOG NUMBER: P3AS05R20B2750DE010 E3D1WMH_5000K

CANDELA DISTRIBUTION (continued):

	0°
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)