

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: P1284551

Luminaire Tested: P3AS13R20B2750DE010 E3PHLD1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1284551
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R20B2750DE010 E3PHLD1MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 80CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

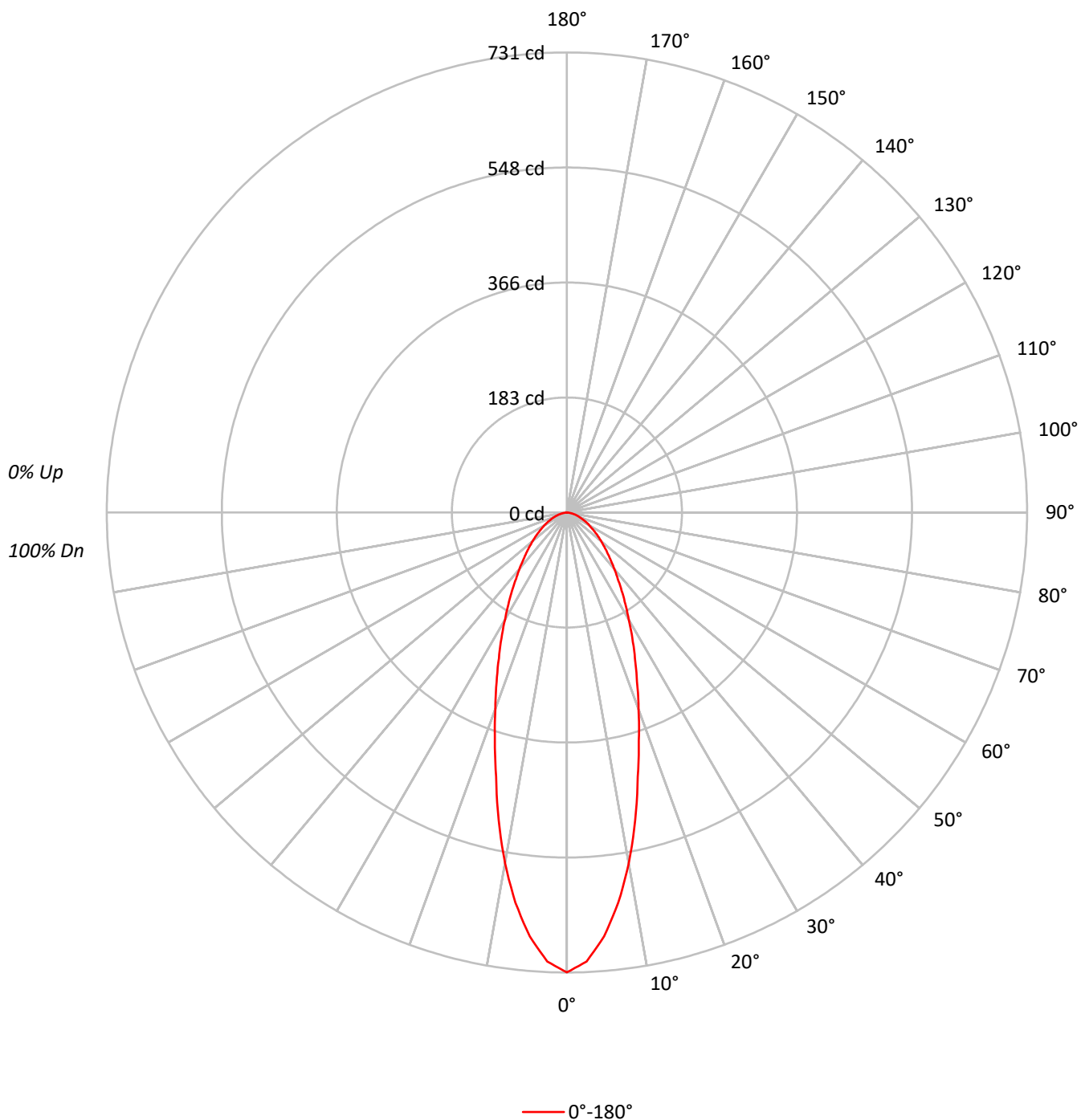
Lumens per Lamp: N/A
Luminaire Lumens: 565.0 lumens
Efficiency: N/A
Efficacy: 29.6 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.1
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: P1284551

CATALOG NUMBER: P3AS13R20B2750DE010 E3PHLD1MW_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P1284551

CATALOG NUMBER: P3AS13R20B2750DE010 E3PHLD1MW_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	30	10	50	30	10	
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90			
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80			
3	98	90	83	78	95	88	82	78	85	81	77	83	79	75	80	77	74	72			
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66			
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60			
6	81	70	63	58	79	70	63	58	68	62	58	66	61	57	65	60	57	55			
7	76	66	59	54	75	65	58	53	63	57	53	62	57	53	61	56	53	51			
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47			
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44			
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	160228
5°	148844
10°	126050
15°	98661
20°	77660
25°	61891
30°	49780
35°	40582
40°	33549
45°	28282
50°	24255
55°	20836
60°	18200
65°	15981
70°	13656
75°	12031
80°	8966
85°	6038

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28282 cd/sqm

TEST NUMBER: P1284551

CATALOG NUMBER: P3AS13R20B2750DE010 E3PHLD1MW_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.0	10.8
10°-20°	121.7	21.5
20°-30°	118.1	20.9
30°-40°	95.5	16.9
40°-50°	70.9	12.6
50°-60°	49.3	8.7
60°-70°	30.9	5.5
70°-80°	15.0	2.7
80°-90°	2.6	0.5
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°	300.9	53.2
0°-40°	396.3	70.1
0°-60°	516.6	91.4
0°-90°	565.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	565.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	731	
5°	676	61
15°	435	122
25°	256	118
35°	152	95
45°	91	71
55°	54	49
65°	31	31
75°	14	15
85°	2	3
90°	0	

TEST NUMBER: P1284551

CATALOG NUMBER: P3AS13R20B2750DE010 E3PHLD1MW_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	730.7
2.5°	714.1
5°	676.2
7.5°	625.3
10°	566.1
12.5°	501.0
15°	434.6
17.5°	380.2
20°	332.8
22.5°	291.3
25°	255.8
27.5°	225.0
30°	196.6
32.5°	172.9
35°	151.6
37.5°	132.6
40°	117.2
42.5°	103.0
45°	91.2
47.5°	80.5
50°	71.1
52.5°	62.8
55°	54.5
57.5°	47.4
60°	41.5
62.5°	36.7
65°	30.8
67.5°	26.1
70°	21.3
72.5°	17.8
75°	14.2
77.5°	10.7
80°	7.1
82.5°	3.6
85°	2.4
87.5°	0.0
90°	0.0

(END OF REPORT)