

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: P1281097

Luminaire Tested: P3AS05R20B2750DE010 E3PHLD1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1281097
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: P3AS05R20B2750DE010 E3PHLD1MW_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

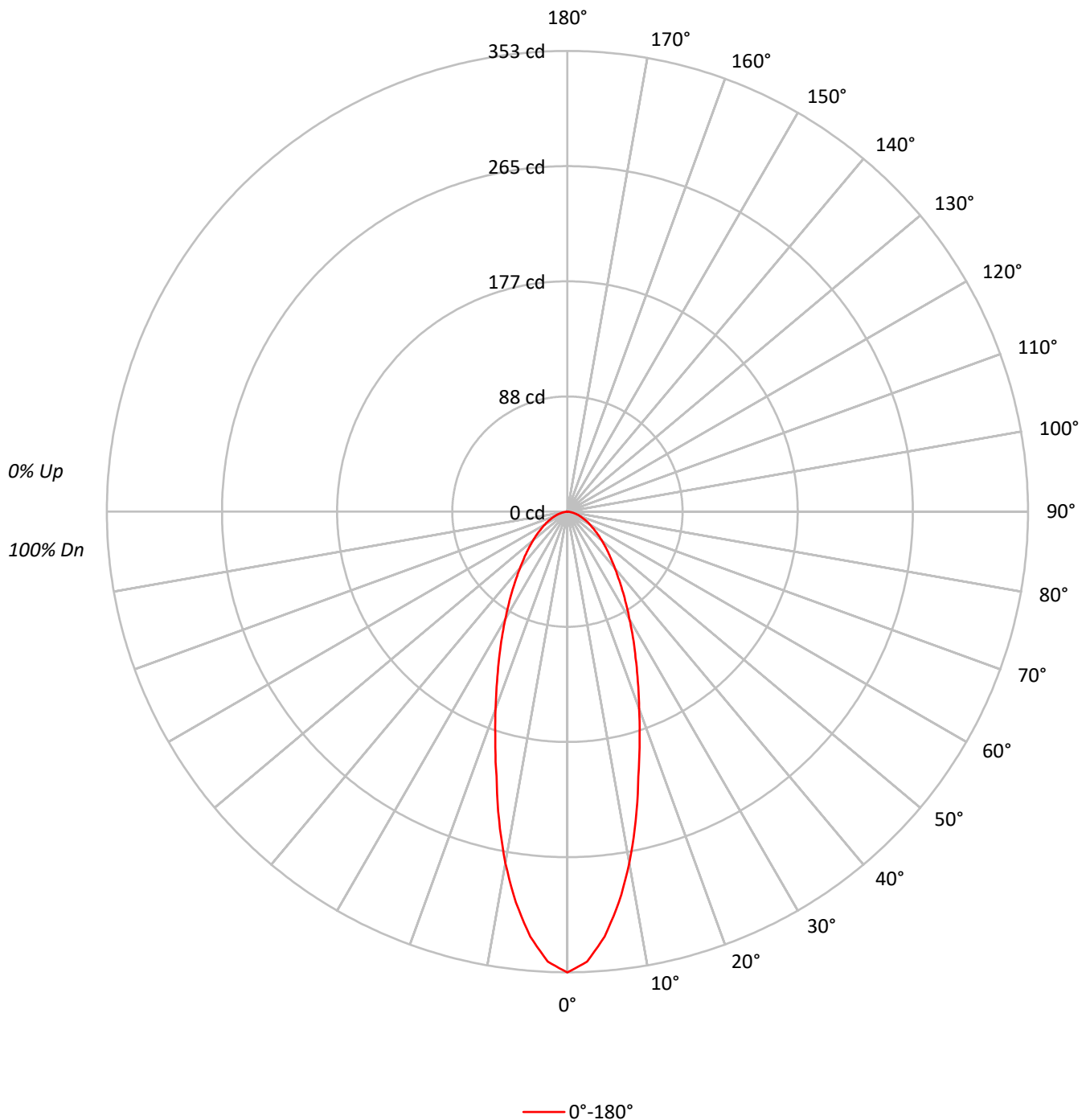
Lumens per Lamp: N/A
Luminaire Lumens: 273.0 lumens
Efficiency: N/A
Efficacy: 46.3 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1281097

CATALOG NUMBER: P3AS05R20B2750DE010 E3PHLD1MW_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P1281097

CATALOG NUMBER: P3AS05R20B2750DE010 E3PHLD1MW_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	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		64	58	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°	77428
5°	71935
10°	60898
15°	47673
20°	37523
25°	29905
30°	24054
35°	19595
40°	16230
45°	13676
50°	11701
55°	10055
60°	8771
65°	7731
70°	6604
75°	5846
80°	4293
85°	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13676 cd/sqm

TEST NUMBER: P1281097

CATALOG NUMBER: P3AS05R20B2750DE010 E3PHLD1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.5	10.8
10°-20°	58.8	21.5
20°-30°	57.1	20.9
30°-40°	46.1	16.9
40°-50°	34.3	12.6
50°-60°	23.8	8.7
60°-70°	14.9	5.5
70°-80°	7.3	2.7
80°-90°	1.2	0.4
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°	145.4	53.3
0°-40°	191.5	70.2
0°-60°	249.6	91.4
0°-90°	273.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	273.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	353	
5°	327	29
15°	210	59
25°	124	57
35°	73	46
45°	44	34
55°	26	24
65°	15	15
75°	7	7
85°	1	1
90°	0	

TEST NUMBER: P1281097

CATALOG NUMBER: P3AS05R20B2750DE010 E3PHLD1MW_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	353.1
2.5°	345.1
5°	326.8
7.5°	302.1
10°	273.5
12.5°	242.1
15°	210.0
17.5°	183.7
20°	160.8
22.5°	140.8
25°	123.6
27.5°	108.7
30°	95.0
32.5°	83.5
35°	73.2
37.5°	64.1
40°	56.7
42.5°	49.8
45°	44.1
47.5°	38.9
50°	34.3
52.5°	30.3
55°	26.3
57.5°	22.9
60°	20.0
62.5°	17.7
65°	14.9
67.5°	12.6
70°	10.3
72.5°	8.6
75°	6.9
77.5°	5.2
80°	3.4
82.5°	1.7
85°	1.1
87.5°	0.0
90°	0.0

(END OF REPORT)