

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1505294

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505294
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-91)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

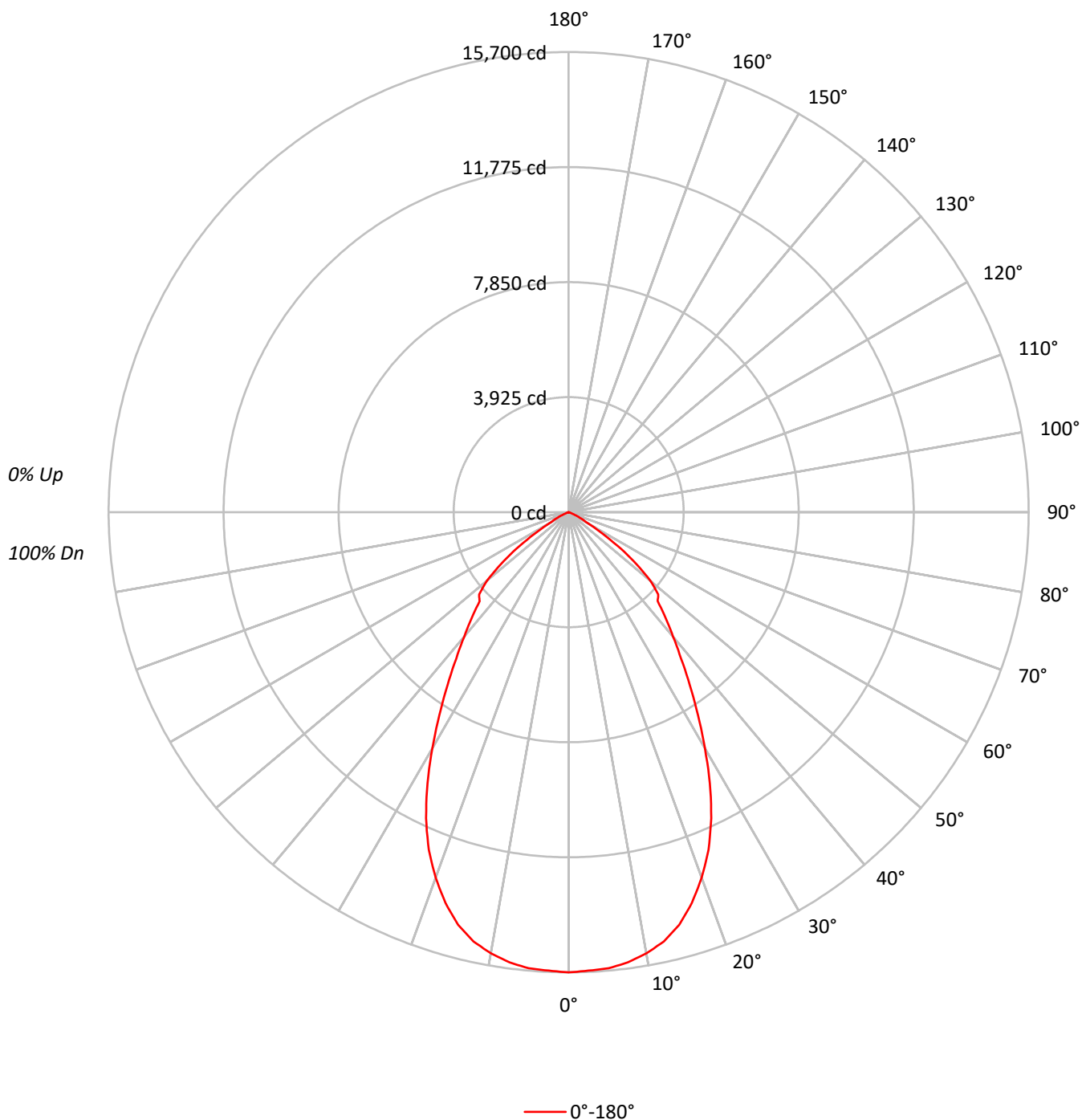
Lumens per Lamp: N/A
Luminaire Lumens: 21052.9 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 159.4
Input Voltage (V): 120
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

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Luminous Intensity Polar Plot





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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	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	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91							
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82							
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74							
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67							
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61							
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55							
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51							
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	47							
9	68	57	50	45	67	56	49	45	55	49	45	54	49	45	53	48	44	43							
10	64	53	46	42	63	52	46	42	52	46	42	51	45	41	50	45	41	40							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	112440
5°	112312
10°	111133
15°	108063
20°	101158
25°	91004
30°	76877
35°	62977
40°	51848
45°	43484
50°	40482
55°	27278
60°	10624
65°	5299
70°	1382
75°	412
80°	478
85°	542

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 43974 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1480.0	7.0
10°-20°	4069.3	19.3
20°-30°	5233.9	24.9
30°-40°	4530.5	21.5
40°-50°	3452.1	16.4
50°-60°	1918.1	9.1
60°-70°	336.9	1.6
70°-80°	25.4	0.1
80°-90°	6.7	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°	10783.2	51.2
0°-40°	15313.7	72.7
0°-60°	20683.9	98.2
0°-90°	21052.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21052.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15700	
5°	15622	###
15°	14574	4069
25°	11516	5234
35°	7203	4530
45°	4293	3452
55°	2185	1918
65°	313	337
75°	15	25
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15699.8
2.5°	15654.4
5°	15622.3
7.5°	15490.3
10°	15281.5
12.5°	15001.0
15°	14574.5
17.5°	13980.5
20°	13272.7
22.5°	12468.3
25°	11516.2
27.5°	10431.3
30°	9296.1
32.5°	8216.2
35°	7203.1
37.5°	6302.2
40°	5545.7
42.5°	4894.7
45°	4293.3
47.5°	4148.1
50°	3633.3
52.5°	2918.9
55°	2184.6
57.5°	1374.5
60°	741.7
62.5°	501.6
65°	312.7
67.5°	156.8
70°	66.0
72.5°	28.9
75°	14.9
77.5°	14.0
80°	11.6
82.5°	9.1
85°	6.6
87.5°	3.3
90°	0.0

(END OF REPORT)