

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: P1505324

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (5000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505324
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 (5000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

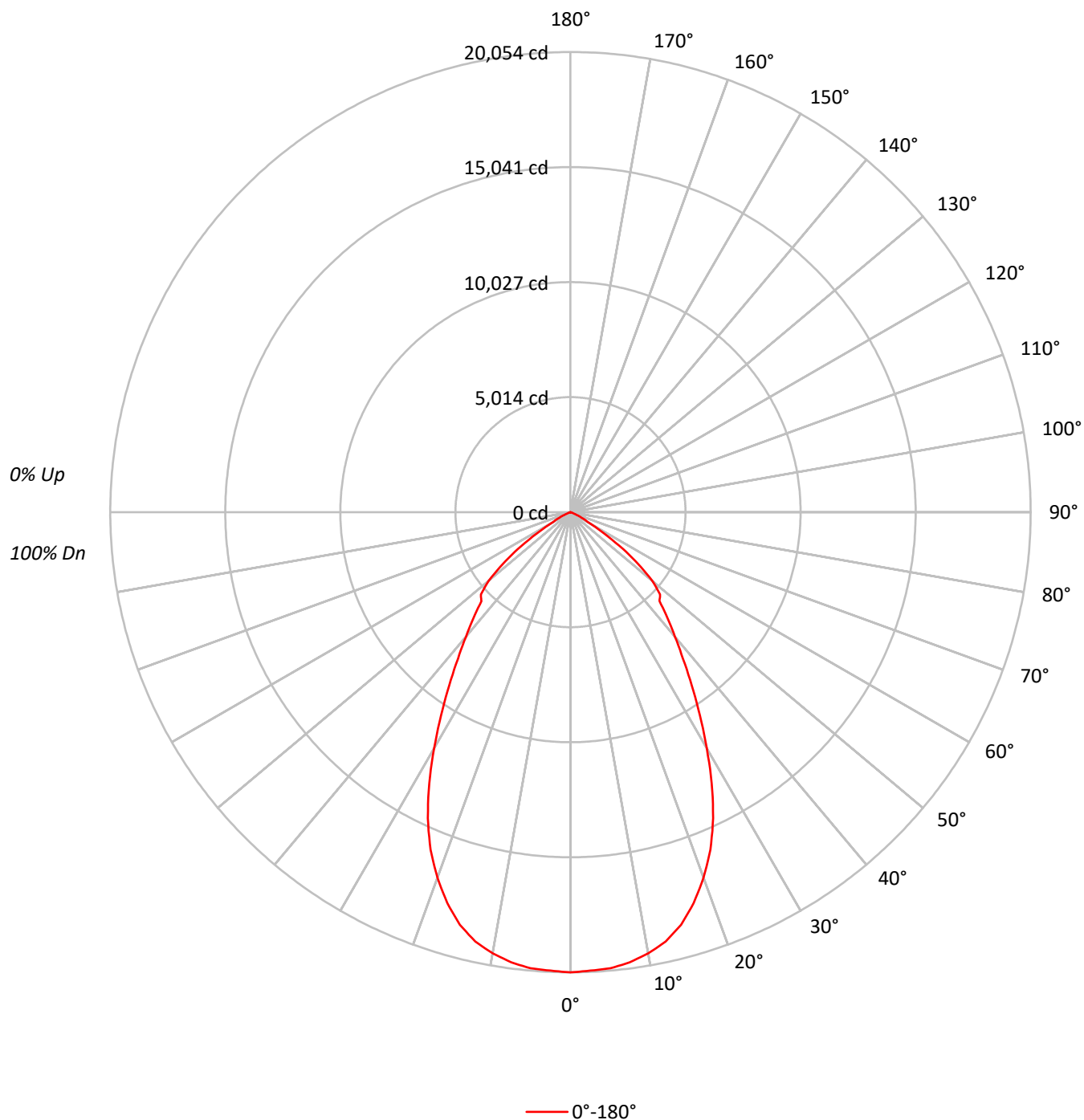
Lumens per Lamp: N/A
Luminaire Lumens: 26892.2 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 195.5
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					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	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°	143627
5°	143463
10°	141957
15°	138036
20°	129215
25°	116245
30°	98201
35°	80445
40°	66228
45°	55545
50°	51711
55°	34843
60°	13570
65°	6768
70°	1765
75°	526
80°	610
85°	690

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 56171 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1890.5	7.0
10°-20°	5198.0	19.3
20°-30°	6685.6	24.9
30°-40°	5787.1	21.5
40°-50°	4409.6	16.4
50°-60°	2450.1	9.1
60°-70°	430.3	1.6
70°-80°	32.4	0.1
80°-90°	8.6	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°	13774.1	51.2
0°-40°	19561.2	72.7
0°-60°	26420.9	98.2
0°-90°	26892.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26892.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20054	
5°	19955	###
15°	18617	5198
25°	14710	6686
35°	9201	5787
45°	5484	4410
55°	2790	2450
65°	399	430
75°	19	32
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	20054.4
2.5°	19996.4
5°	19955.3
7.5°	19786.7
10°	19520.1
12.5°	19161.8
15°	18617.0
17.5°	17858.2
20°	16954.0
22.5°	15926.5
25°	14710.4
27.5°	13324.6
30°	11874.6
32.5°	10495.1
35°	9201.0
37.5°	8050.2
40°	7083.8
42.5°	6252.4
45°	5484.1
47.5°	5298.7
50°	4641.1
52.5°	3728.5
55°	2790.5
57.5°	1755.7
60°	947.4
62.5°	640.7
65°	399.4
67.5°	200.2
70°	84.3
72.5°	36.9
75°	19.0
77.5°	17.9
80°	14.8
82.5°	11.6
85°	8.4
87.5°	4.2
90°	0.0

(END OF REPORT)