

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: P1505296

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505296
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-92)
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_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

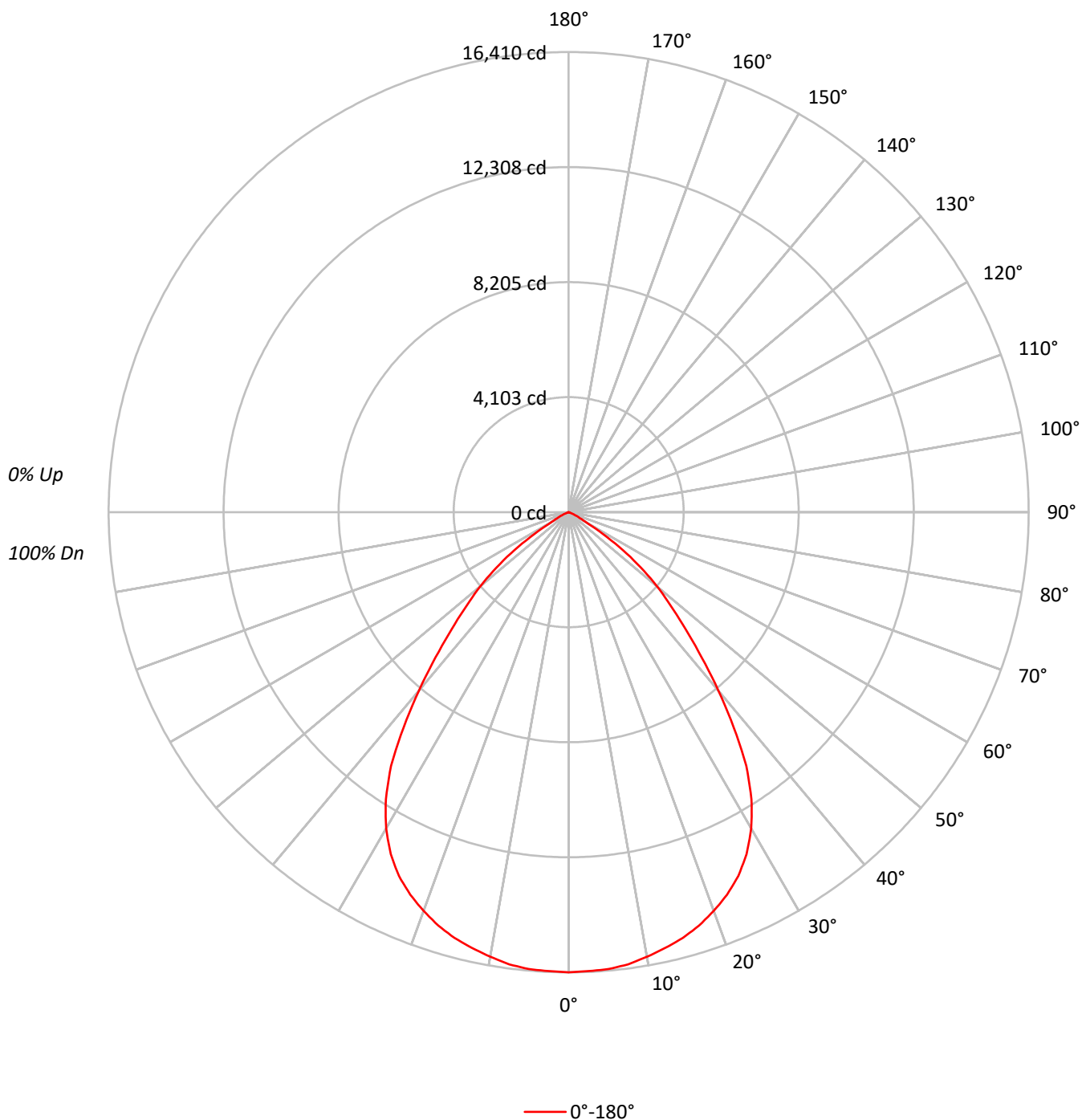
Lumens per Lamp: N/A
Luminaire Lumens: 26347.1 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 199.4
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	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	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	81	70	63	58	79	69	62	57	67	61	57	66	61	56	64	60	56	54		
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	67	55	48	44	65	55	48	44	54	48	43	53	47	43	52	47	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	117524
5°	117573
10°	117070
15°	116561
20°	115327
25°	113133
30°	107681
35°	96549
40°	77567
45°	59625
50°	45723
55°	29544
60°	9557
65°	4626
70°	1248
75°	495
80°	573
85°	649

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 59625 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1552.9	5.9
10°-20°	4430.4	16.8
20°-30°	6556.2	24.9
30°-40°	6775.2	25.7
40°-50°	4609.6	17.5
50°-60°	2090.5	7.9
60°-70°	297.3	1.1
70°-80°	26.7	0.1
80°-90°	8.4	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°	12539.5	47.6
0°-40°	19314.7	73.3
0°-60°	26014.8	98.7
0°-90°	26347.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26347.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16410	
5°	16354	###
15°	15721	4430
25°	14317	6556
35°	11043	6775
45°	5887	4610
55°	2366	2090
65°	273	297
75°	18	27
85°	8	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16409.7
2.5°	16378.9
5°	16354.1
7.5°	16262.7
10°	16097.9
12.5°	15917.2
15°	15720.6
17.5°	15457.5
20°	15131.8
22.5°	14763.4
25°	14316.6
27.5°	13744.7
30°	13020.9
32.5°	12140.2
35°	11043.0
37.5°	9672.8
40°	8296.7
42.5°	7024.8
45°	5886.9
47.5°	4925.8
50°	4103.7
52.5°	3247.8
55°	2366.1
57.5°	1454.6
60°	667.2
62.5°	433.9
65°	273.0
67.5°	143.0
70°	59.6
72.5°	29.8
75°	17.9
77.5°	16.9
80°	13.9
82.5°	10.9
85°	7.9
87.5°	5.0
90°	0.0

(END OF REPORT)