

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: P1505505

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (5000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505505
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-117)
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-06-BLAK-PS (5000K_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

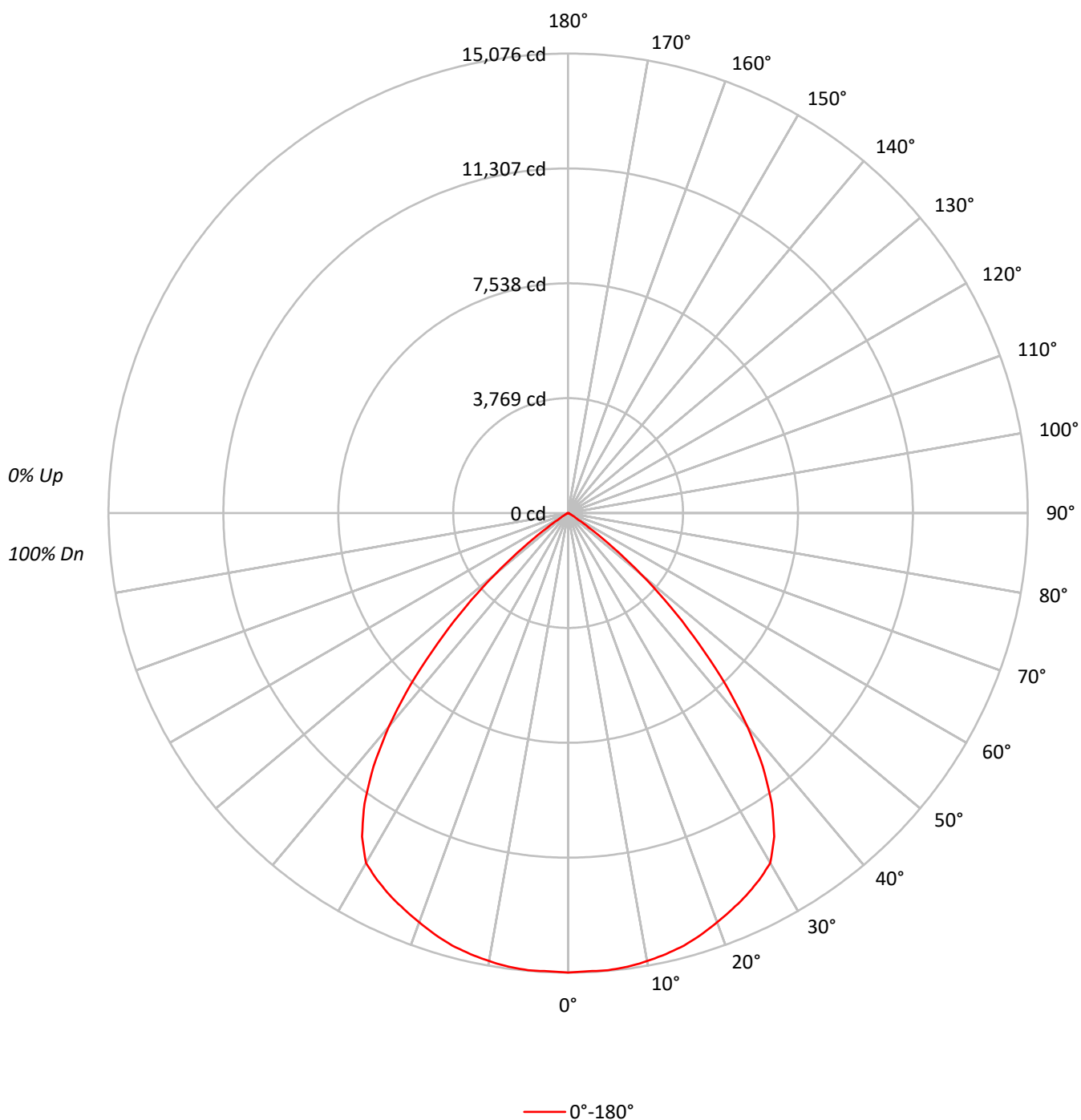
Lumens per Lamp: N/A
Luminaire Lumens: 24922.0 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.22
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

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				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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	91	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61		
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56		
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	48	58	52	48	57	52	48	46		
9	67	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43		
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	96052
5°	96297
10°	96572
15°	96896
20°	96872
25°	97277
30°	97537
35°	90554
40°	76051
45°	54540
50°	31127
55°	8943
60°	2296
65°	984
70°	805
75°	857
80°	888
85°	848

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 54540 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1433.0	5.7
10°-20°	4145.0	16.6
20°-30°	6379.2	25.6
30°-40°	7159.5	28.7
40°-50°	4660.0	18.7
50°-60°	1014.8	4.1
60°-70°	81.3	0.3
70°-80°	36.2	0.1
80°-90°	13.0	0.1
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°	11957.2	48.0
0°-40°	19116.7	76.7
0°-60°	24791.5	99.5
0°-90°	24922.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24922.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15076	
5°	15057	###
15°	14690	4145
25°	13838	6379
35°	11643	7159
45°	6053	4660
55°	805	1015
65°	65	81
75°	35	36
85°	12	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	15076.1
2.5°	15047.6
5°	15057.1
7.5°	15013.9
10°	14927.5
12.5°	14819.0
15°	14690.4
17.5°	14502.8
20°	14287.8
22.5°	14068.6
25°	13837.8
27.5°	13568.1
30°	13258.2
32.5°	12581.7
35°	11642.7
37.5°	10484.6
40°	9144.1
42.5°	7652.9
45°	6053.2
47.5°	4552.5
50°	3140.4
52.5°	1863.2
55°	805.1
57.5°	311.9
60°	180.2
62.5°	104.3
65°	65.3
67.5°	49.5
70°	43.2
72.5°	39.0
75°	34.8
77.5°	29.5
80°	24.2
82.5°	17.9
85°	11.6
87.5°	6.3
90°	0.0

(END OF REPORT)