

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: P1505514

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (6500K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505514
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 (6500K_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

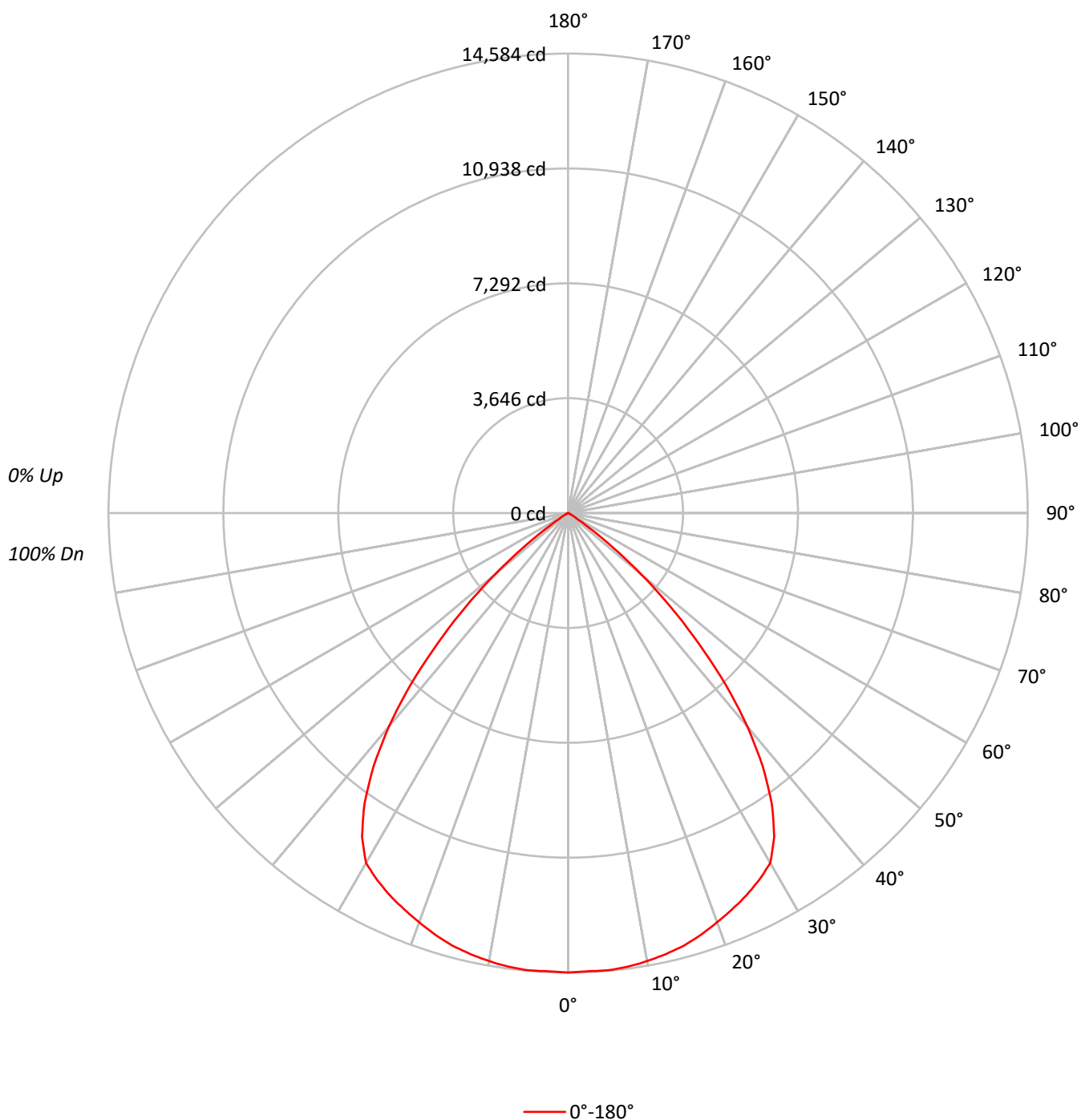
Lumens per Lamp: N/A
Luminaire Lumens: 24108.8 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.22
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 200.1
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°	92918
5°	93155
10°	93421
15°	93735
20°	93711
25°	94103
30°	94355
35°	87599
40°	73569
45°	52761
50°	30111
55°	8652
60°	2221
65°	953
70°	779
75°	827
80°	859
85°	819

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52761 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1386.2	5.7
10°-20°	4009.8	16.6
20°-30°	6171.1	25.6
30°-40°	6925.9	28.7
40°-50°	4508.0	18.7
50°-60°	981.7	4.1
60°-70°	78.6	0.3
70°-80°	34.9	0.1
80°-90°	12.6	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°	11567.1	48.0
0°-40°	18493.0	76.7
0°-60°	23982.6	99.5
0°-90°	24108.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24108.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14584	
5°	14566	###
15°	14211	4010
25°	13386	6171
35°	11263	6926
45°	5856	4508
55°	779	982
65°	63	79
75°	34	35
85°	11	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	14584.2
2.5°	14556.6
5°	14565.8
7.5°	14524.0
10°	14440.4
12.5°	14335.4
15°	14211.1
17.5°	14029.6
20°	13821.6
22.5°	13609.6
25°	13386.3
27.5°	13125.3
30°	12825.6
32.5°	12171.1
35°	11262.8
37.5°	10142.5
40°	8845.7
42.5°	7403.2
45°	5855.7
47.5°	4404.0
50°	3037.9
52.5°	1802.4
55°	778.9
57.5°	301.8
60°	174.3
62.5°	100.9
65°	63.2
67.5°	47.9
70°	41.8
72.5°	37.7
75°	33.6
77.5°	28.5
80°	23.4
82.5°	17.3
85°	11.2
87.5°	6.1
90°	0.0

(END OF REPORT)