

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: P1505127

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (3500K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505127
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-105)
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-A-06-BLAK-PS (3500K_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

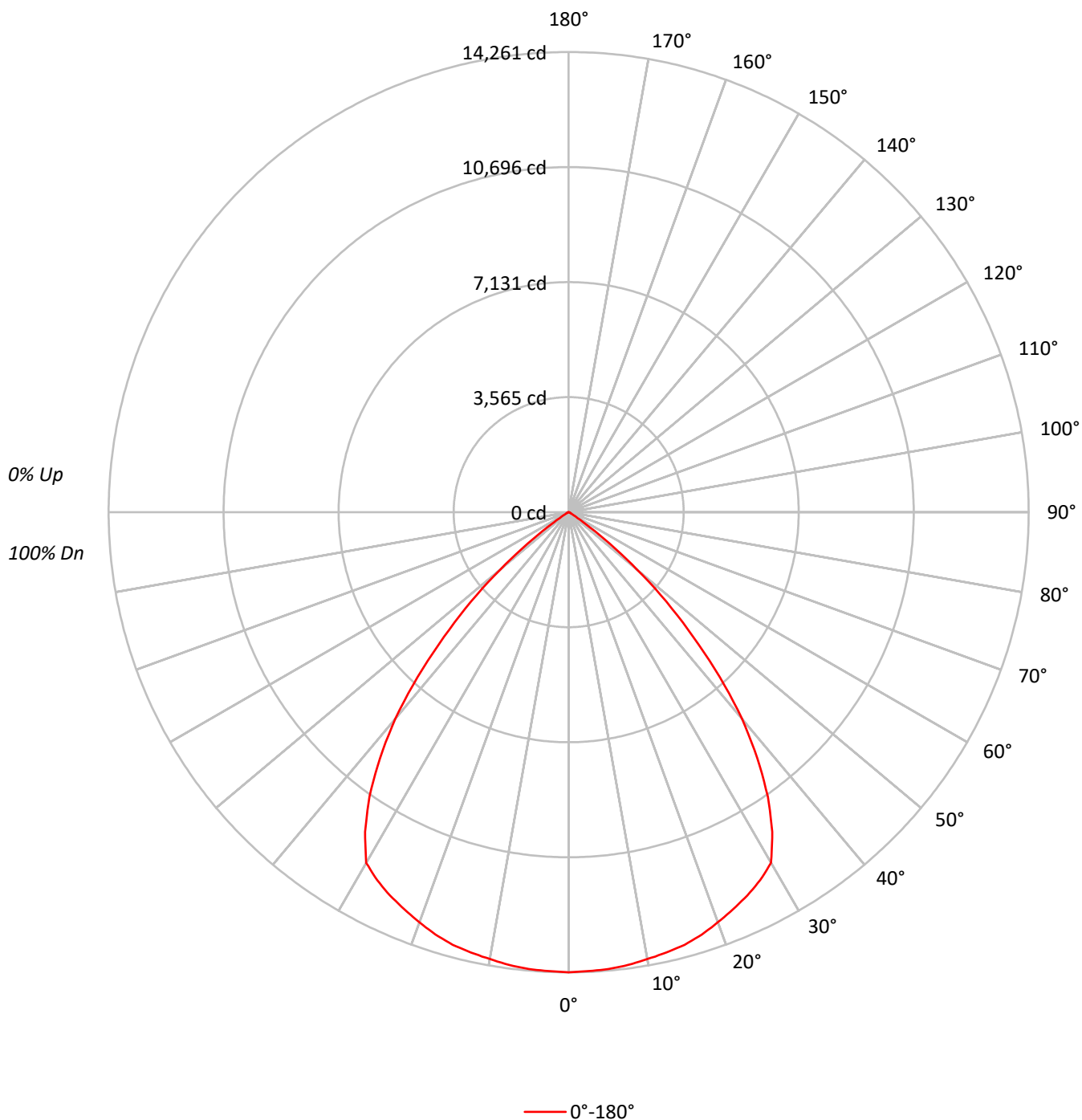
Lumens per Lamp: N/A
Luminaire Lumens: 23134.4 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.21
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 196.6
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	94	92		
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68		
5	87	77	71	66	85	76	70	65	74	69	65	73	68	64	71	67	63	62		
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56		
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51		
8	72	61	54	49	71	60	54	49	59	53	49	58	53	49	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	41	51	45	41	50	45	41	50	45	41	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	95134
5°	95189
10°	95260
15°	95859
20°	96022
25°	96475
30°	96664
35°	87626
40°	72732
45°	51520
50°	28789
55°	7153
60°	2041
65°	900
70°	761
75°	876
80°	960
85°	918

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51520 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1351.8	5.8
10°-20°	3916.8	16.9
20°-30°	6041.4	26.1
30°-40°	6633.5	28.7
40°-50°	4212.4	18.2
50°-60°	860.3	3.7
60°-70°	69.6	0.3
70°-80°	35.1	0.2
80°-90°	13.5	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°	11310.1	48.9
0°-40°	17943.6	77.6
0°-60°	23016.3	99.5
0°-90°	23134.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23134.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14261	
5°	14215	###
15°	13880	3917
25°	13107	6041
35°	10760	6634
45°	5461	4212
55°	615	860
65°	57	70
75°	34	35
85°	12	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	14261
2.5°	14233
5°	14215
7.5°	14152
10°	14063
12.5°	13979
15°	13880
17.5°	13724
20°	13526
22.5°	13319
25°	13107
27.5°	12857
30°	12549
32.5°	11746
35°	10760
37.5°	9611
40°	8352
42.5°	6933
45°	5461
47.5°	4106
50°	2774
52.5°	1600
55°	615
57.5°	259
60°	153
62.5°	87
65°	57
67.5°	43
70°	39
72.5°	37
75°	34
77.5°	30
80°	25
82.5°	19
85°	12
87.5°	6
90°	0

(END OF REPORT)