

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: P1505248

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (3000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505248
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-110)
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-WHGL-PS (3000K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

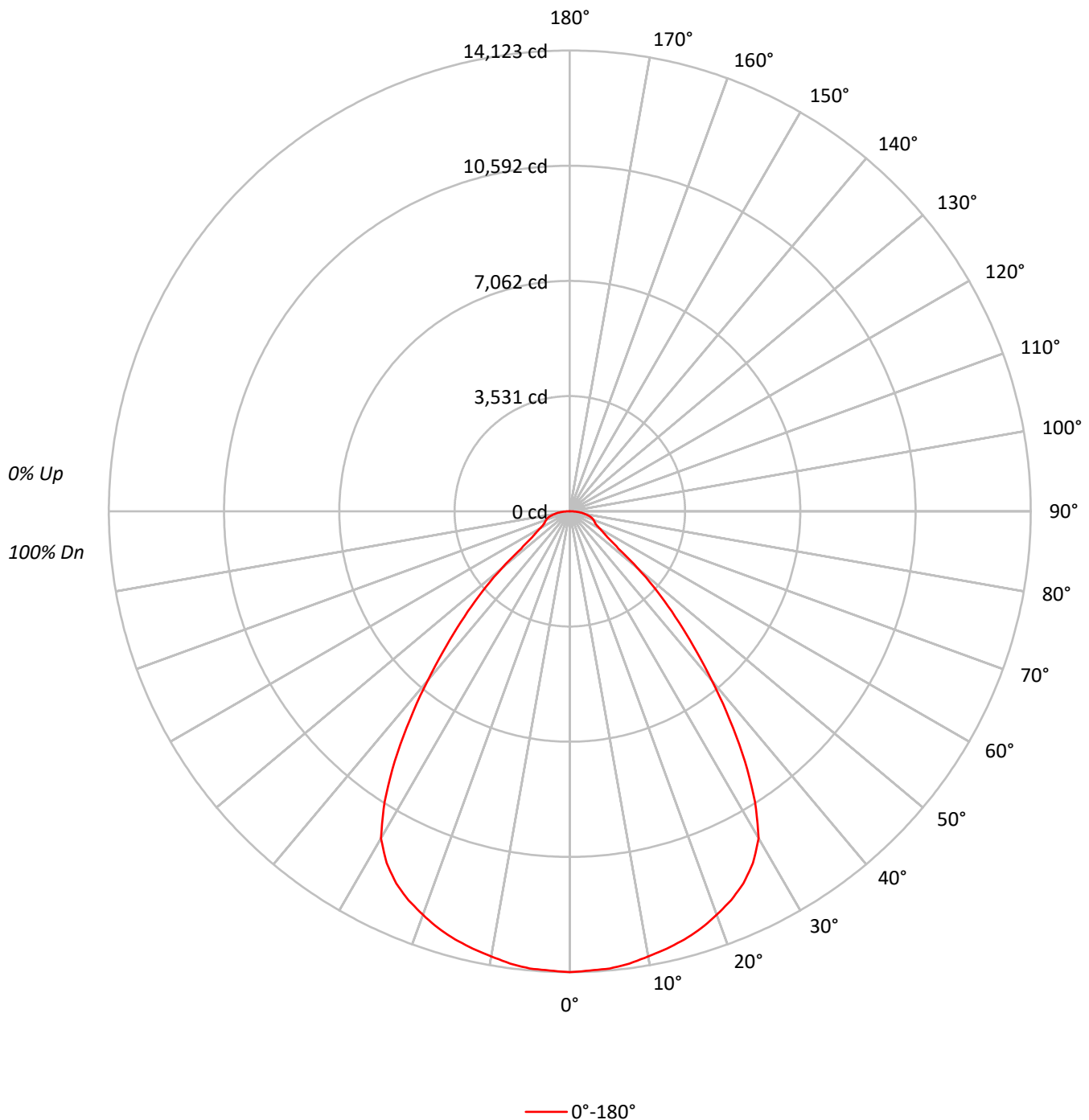
Lumens per Lamp: N/A
Luminaire Lumens: 23507.6 lumens
Efficiency: N/A
Efficacy: 147.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.13
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 159.4
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	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63		
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	45	55	49	45	54	49	45	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	94215
5°	94177
10°	93824
15°	93807
20°	93404
25°	92624
30°	89128
35°	76175
40°	58883
45°	43095
50°	28169
55°	16695
60°	14166
65°	13556
70°	15159
75°	16862
80°	18509
85°	19763

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 43095 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1335.5	5.7
10°-20°	3832.0	16.3
20°-30°	5764.9	24.5
30°-40°	5772.4	24.6
40°-50°	3546.6	15.1
50°-60°	1428.9	6.1
60°-70°	871.8	3.7
70°-80°	681.6	2.9
80°-90°	273.9	1.2
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°	10932.4	46.5
0°-40°	16704.8	71.1
0°-60°	21680.3	92.2
0°-90°	23507.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23507.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14123	
5°	14064	###
15°	13583	3832
25°	12584	5765
35°	9354	5772
45°	4568	3547
55°	1436	1429
65°	859	872
75°	654	682
85°	258	274
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14123.2
2.5°	14087.8
5°	14063.8
7.5°	13980.5
10°	13851.0
12.5°	13728.1
15°	13582.9
17.5°	13396.4
20°	13157.2
22.5°	12901.4
25°	12583.8
27.5°	12151.5
30°	11570.7
32.5°	10560.0
35°	9353.9
37.5°	8056.2
40°	6761.7
42.5°	5594.3
45°	4568.0
47.5°	3635.8
50°	2714.3
52.5°	1876.9
55°	1435.5
57.5°	1228.4
60°	1061.8
62.5°	926.5
65°	858.8
67.5°	815.1
70°	777.2
72.5°	723.5
75°	654.2
77.5°	574.2
80°	481.8
82.5°	377.0
85°	258.2
87.5°	130.4
90°	0.0

(END OF REPORT)