

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: P1505255

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (3000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505255
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-109)
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_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE
SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

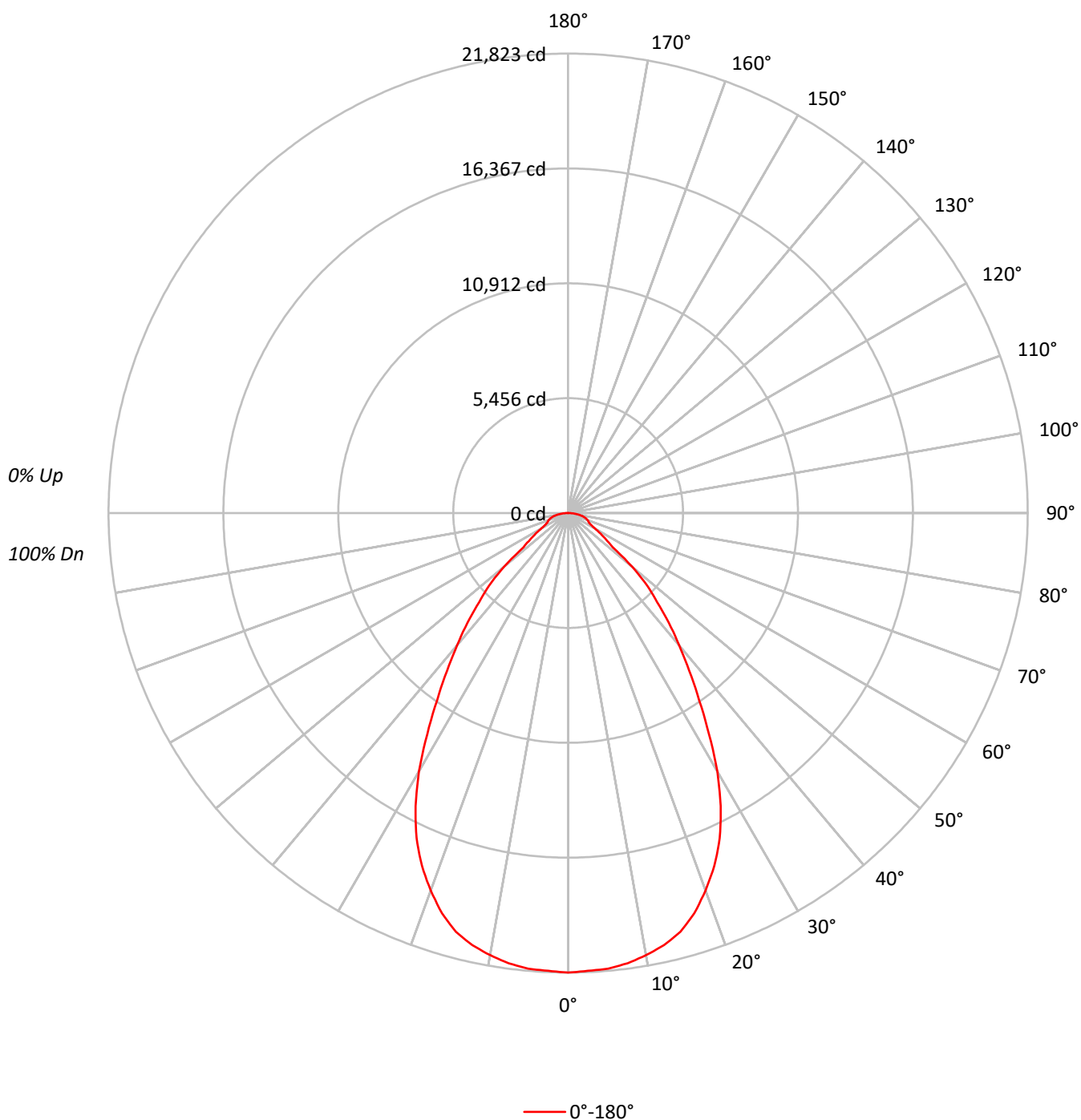
Lumens per Lamp: N/A
Luminaire Lumens: 31426.0 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.03
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 237.6
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	111	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64		
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53		
7	75	64	57	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	67	55	48	44	65	55	48	43	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°	145582
5°	145447
10°	144447
15°	142209
20°	135387
25°	125359
30°	109116
35°	88381
40°	71341
45°	56394
50°	41209
55°	25703
60°	19602
65°	17388
70°	19097
75°	20877
80°	22055
85°	23008

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 56394 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2060.5	6.6
10°-20°	5760.5	18.3
20°-30°	7741.9	24.6
30°-40°	6823.2	21.7
40°-50°	4644.7	14.8
50°-60°	2094.9	6.7
60°-70°	1135.1	3.6
70°-80°	843.2	2.7
80°-90°	322.0	1.0
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°	15562.9	49.5
0°-40°	22386.1	71.2
0°-60°	29125.7	92.7
0°-90°	31426.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31426.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21823	
5°	21720	###
15°	20591	5760
25°	17031	7742
35°	10853	6823
45°	5978	4645
55°	2210	2095
65°	1102	1135
75°	810	843
85°	301	322
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	21823.4
2.5°	21762.2
5°	21720.2
7.5°	21569.3
10°	21324.2
12.5°	21021.3
15°	20591.3
17.5°	19928.8
20°	19071.1
22.5°	18140.8
25°	17031.2
27.5°	15688.0
30°	14165.5
32.5°	12443.3
35°	10852.7
37.5°	9438.0
40°	8192.3
42.5°	7075.9
45°	5977.7
47.5°	5080.3
50°	3970.8
52.5°	2670.6
55°	2210.0
57.5°	1823.2
60°	1469.2
62.5°	1227.5
65°	1101.6
67.5°	1032.4
70°	979.1
72.5°	906.5
75°	810.0
77.5°	701.1
80°	574.1
82.5°	441.3
85°	300.6
87.5°	154.3
90°	0.0

(END OF REPORT)