

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: P1505075

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (3000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505075
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-85)
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-04-WHGL-PS (3000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

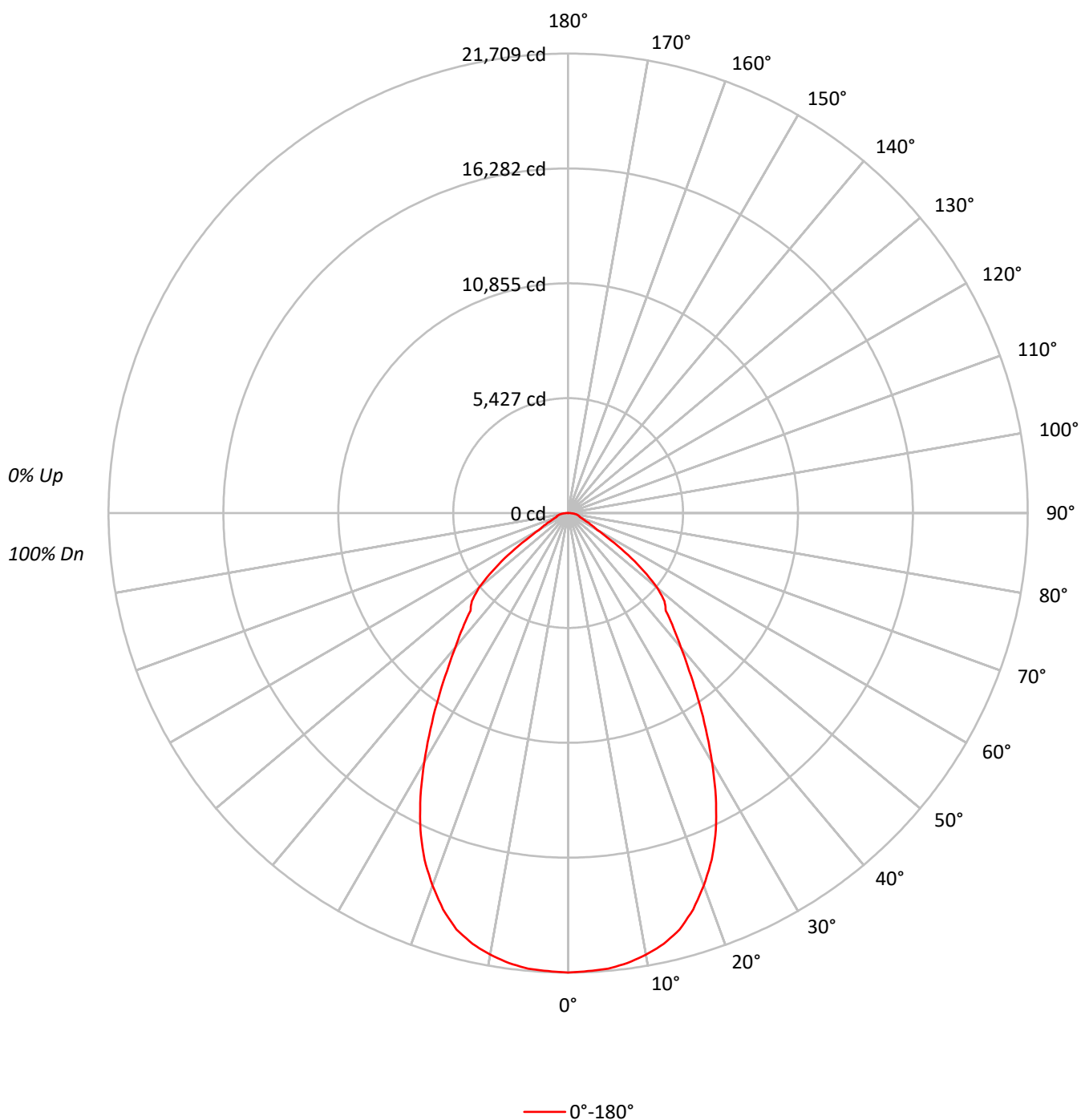
Lumens per Lamp: N/A
Luminaire Lumens: 32059.9 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.02
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90		
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	87	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	60	58		
6	79	68	61	56	78	67	60	55	66	60	55	64	59	55	63	58	54	52		
7	74	63	56	51	73	62	55	50	61	55	50	60	54	50	58	53	49	48		
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	159291
5°	159164
10°	157860
15°	154741
20°	146215
25°	133690
30°	115051
35°	95710
40°	79427
45°	67728
50°	62850
55°	44368
60°	23392
65°	17394
70°	13679
75°	14955
80°	17642
85°	19481

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 67728 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2048.9	6.4
10°-20°	5691.6	17.8
20°-30°	7509.6	23.4
30°-40°	6704.9	20.9
40°-50°	5194.2	16.2
50°-60°	3083.1	9.6
60°-70°	1027.8	3.2
70°-80°	557.3	1.7
80°-90°	242.7	0.8
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°	15250.0	47.6
0°-40°	21954.9	68.5
0°-60°	30232.2	94.3
0°-90°	32059.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32059.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21709	
5°	21609	###
15°	20370	5692
25°	16513	7510
35°	10685	6705
45°	6527	5194
55°	3468	3083
65°	1002	1028
75°	528	557
85°	231	243
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	21708.8
2.5°	21662.3
5°	21609.0
7.5°	21442.2
10°	21187.0
12.5°	20851.1
15°	20370.1
17.5°	19634.9
20°	18725.1
22.5°	17725.6
25°	16512.8
27.5°	15111.7
30°	13578.9
32.5°	12098.4
35°	10684.8
37.5°	9390.3
40°	8292.1
42.5°	7368.6
45°	6526.8
47.5°	6177.4
50°	5505.8
52.5°	4513.1
55°	3468.2
57.5°	2370.0
60°	1594.0
62.5°	1270.6
65°	1001.8
67.5°	778.3
70°	637.6
72.5°	571.8
75°	527.5
77.5°	483.3
80°	417.5
82.5°	332.4
85°	231.4
87.5°	119.1
90°	0.0

(END OF REPORT)