

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: P1505078

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (3500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505078
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 (3500K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

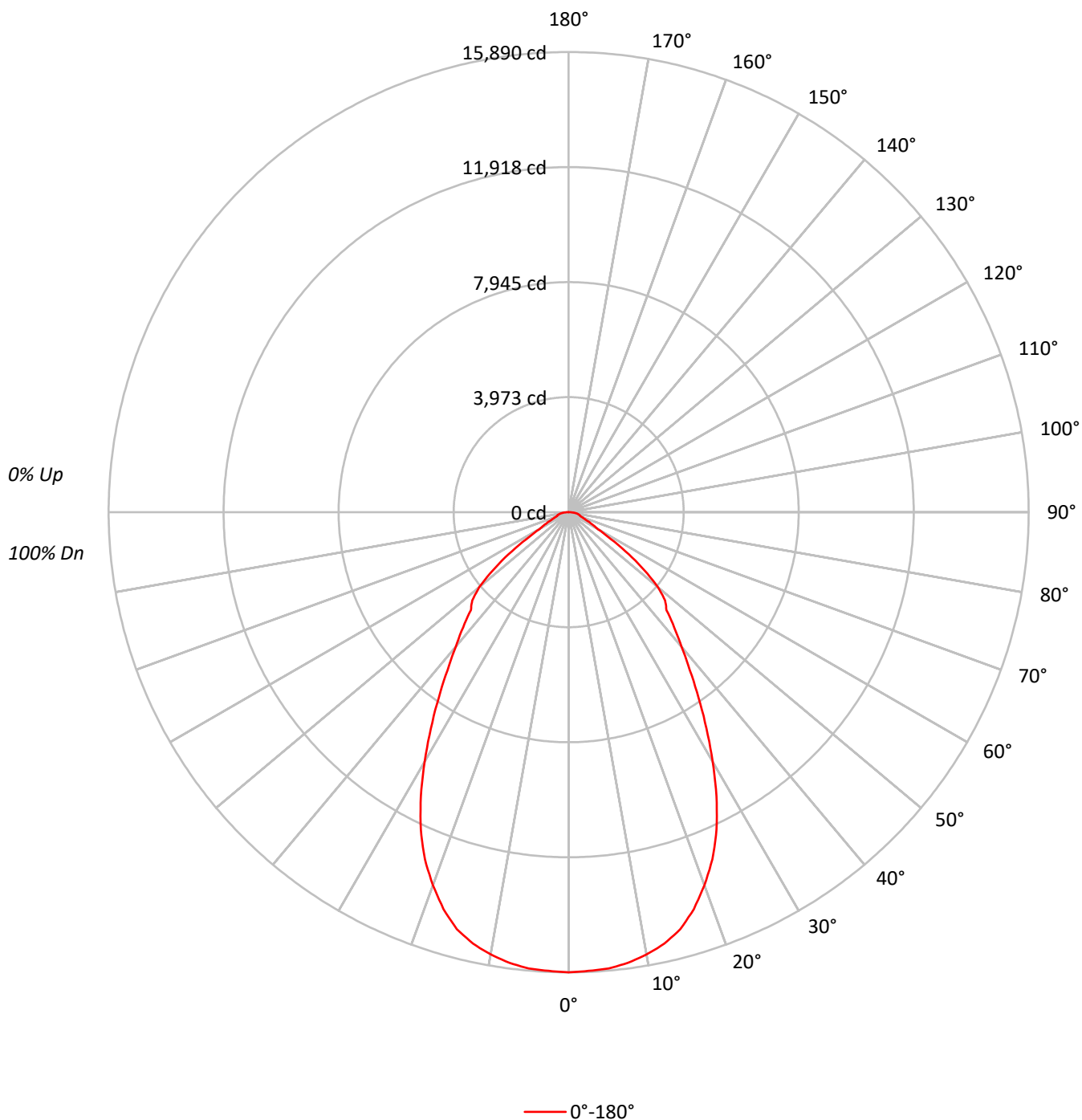
Lumens per Lamp: N/A
Luminaire Lumens: 23466.4 lumens
Efficiency: N/A
Efficacy: 149.0 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.02
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 157.5
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°	116593
5°	116500
10°	115546
15°	113262
20°	107022
25°	97855
30°	84211
35°	70055
40°	58136
45°	49574
50°	46004
55°	32474
60°	17122
65°	12730
70°	10012
75°	10946
80°	12913
85°	14262

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49574 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1499.7	6.4
10°-20°	4165.9	17.8
20°-30°	5496.6	23.4
30°-40°	4907.7	20.9
40°-50°	3801.9	16.2
50°-60°	2256.7	9.6
60°-70°	752.3	3.2
70°-80°	407.9	1.7
80°-90°	177.6	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°	11162.2	47.6
0°-40°	16069.9	68.5
0°-60°	22128.5	94.3
0°-90°	23466.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23466.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15890	
5°	15817	###
15°	14910	4166
25°	12087	5497
35°	7821	4908
45°	4777	3802
55°	2538	2257
65°	733	752
75°	386	408
85°	169	178
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	15889.8
2.5°	15855.8
5°	15816.7
7.5°	15694.7
10°	15507.8
12.5°	15262.0
15°	14909.9
17.5°	14371.8
20°	13705.8
22.5°	12974.3
25°	12086.6
27.5°	11061.0
30°	9939.1
32.5°	8855.4
35°	7820.8
37.5°	6873.3
40°	6069.4
42.5°	5393.5
45°	4777.3
47.5°	4521.6
50°	4030.0
52.5°	3303.4
55°	2538.5
57.5°	1734.7
60°	1166.7
62.5°	930.1
65°	733.2
67.5°	569.7
70°	466.7
72.5°	418.5
75°	386.1
77.5°	353.8
80°	305.6
82.5°	243.3
85°	169.4
87.5°	87.2
90°	0.0

(END OF REPORT)