

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: P1505228

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (4000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505228
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-112)
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-TRWH-PS (4000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

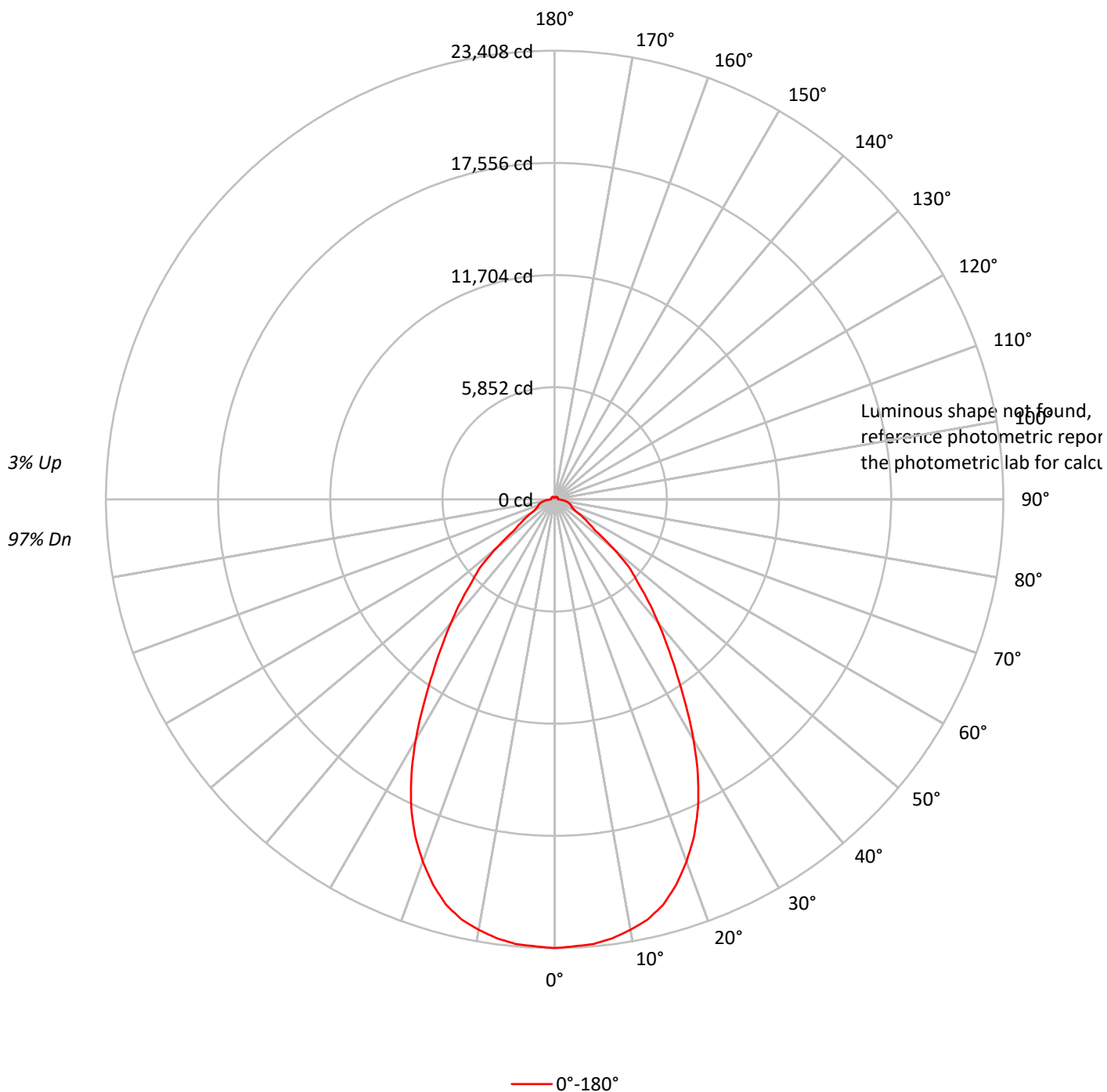
Lumens per Lamp: N/A
Luminaire Lumens: 33567.3 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 231.9
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	97	95	95	94	92	91	90	89	87		
2	103	97	92	88	101	95	90	86	91	87	84	88	84	82	84	82	79	77		
3	97	88	82	77	94	87	81	76	84	79	75	81	76	73	78	74	71	69		
4	90	81	74	69	88	79	73	68	77	71	67	74	70	66	72	68	65	63		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	62	59	57		
6	79	69	61	56	77	68	61	56	66	60	55	64	58	54	62	57	54	52		
7	75	63	56	51	73	63	56	51	61	55	50	59	54	50	58	53	49	48		
8	70	59	52	47	69	58	51	47	57	51	46	55	50	46	54	49	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	46	42	51	46	42	41		
10	63	51	45	40	61	51	44	40	50	44	40	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2206.9	6.6
10°-20°	6117.3	18.2
20°-30°	8046.5	24.0
30°-40°	6983.9	20.8
40°-50°	4780.4	14.2
50°-60°	2074.5	6.2
60°-70°	1045.9	3.1
70°-80°	820.4	2.4
80°-90°	430.3	1.3
90°-100°	198.1	0.6
100°-110°	194.8	0.6
110°-120°	180.2	0.5
120°-130°	156.1	0.5
130°-140°	128.1	0.4
140°-150°	100.8	0.3
150°-160°	65.4	0.2
160°-170°	29.9	0.1
170°-180°	7.7	0.0
0°-30°	16370.6	48.8
0°-40°	23354.5	69.6
0°-60°	30209.5	90.0
0°-90°	32506.1	96.8
90°-120°	573.1	1.7
90°-150°	958.1	2.9
90°-180°	1061.0	3.2
0°-180°	33567.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23408	
5°	23285	###
15°	21890	6117
25°	17704	8046
35°	11095	6984
45°	6127	4780
55°	2180	2075
65°	1004	1046
75°	788	820
85°	396	366
90°	182	113
95°	182	149
105°	184	195
115°	182	180
125°	174	156
135°	165	128
145°	161	101
155°	140	65
165°	103	30
175°	78	8
180°	75	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23408.5
2.5°	23335.9
5°	23285.0
7.5°	23094.9
10°	22805.5
12.5°	22444.7
15°	21890.1
17.5°	21081.2
20°	20107.7
22.5°	19008.2
25°	17704.1
27.5°	16178.4
30°	14500.2
32.5°	12726.2
35°	11095.2
37.5°	9668.8
40°	8409.5
42.5°	7251.9
45°	6127.0
47.5°	5310.9
50°	4047.9
52.5°	2680.9
55°	2179.6
57.5°	1763.0
60°	1382.8
62.5°	1132.2
65°	1003.8
67.5°	944.5
70°	908.2
72.5°	857.3
75°	788.3
77.5°	703.5
80°	606.6
82.5°	503.7
85°	396.0
87.5°	285.8
90°	181.6
92.5°	179.2
95°	181.6
97.5°	182.8
100°	184.1
102.5°	184.1
105°	184.1
107.5°	184.1
110°	184.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	182.8
115°	181.6
117.5°	180.4
120°	178.0
122.5°	175.6
125°	174.4
127.5°	171.9
130°	169.5
132.5°	167.1
135°	164.7
137.5°	163.5
140°	162.3
142.5°	161.0
145°	161.0
147.5°	159.8
150°	157.4
152.5°	148.9
155°	140.5
157.5°	132.0
160°	122.3
162.5°	112.6
165°	102.9
167.5°	94.4
170°	88.4
172.5°	81.1
175°	77.5
177.5°	75.1
180°	75.1

(END OF REPORT)