

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: P1505219

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505219
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 (3500K_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

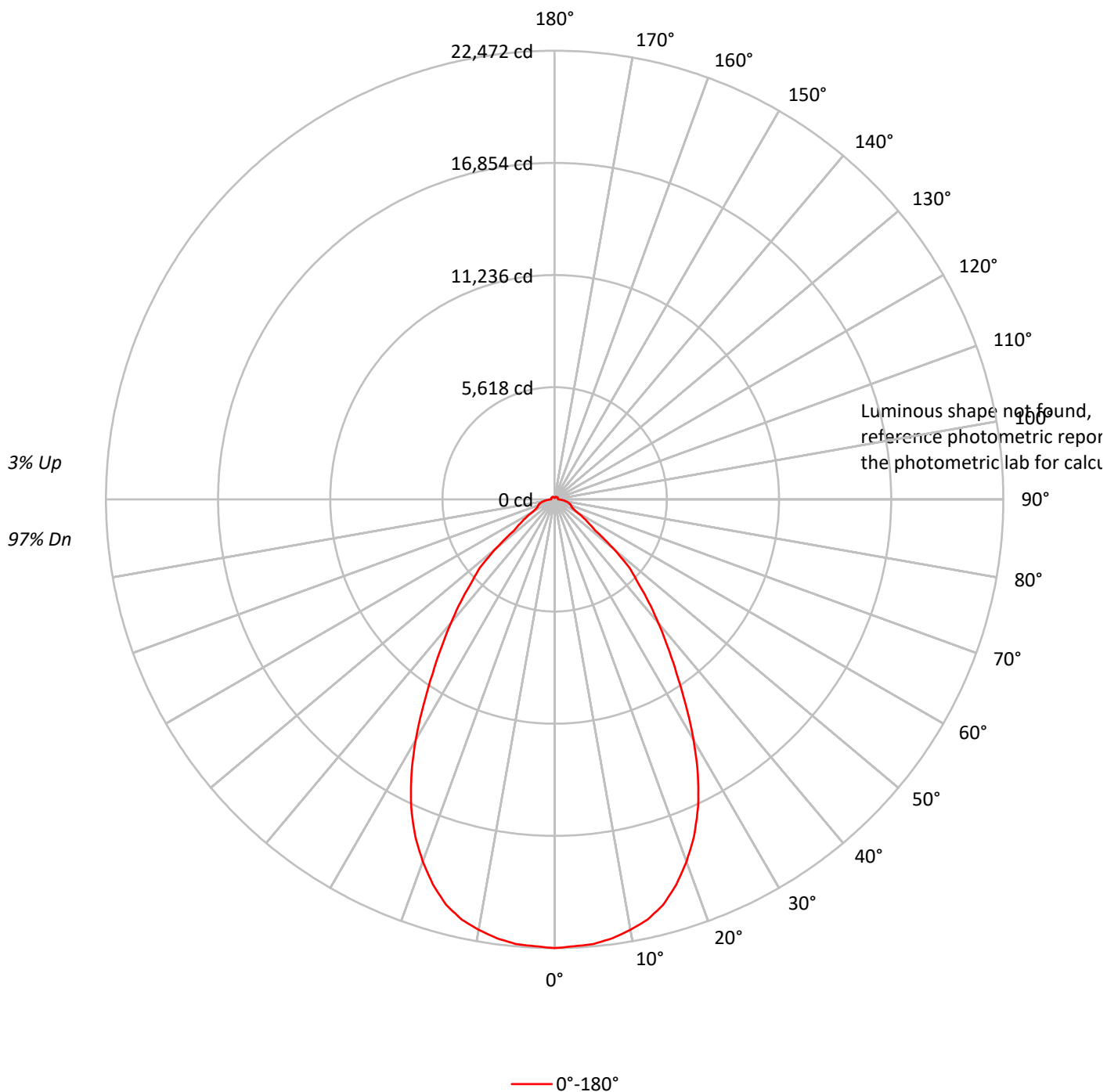
Lumens per Lamp: N/A
Luminaire Lumens: 32224.9 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 235.4
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	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°	2118.6	6.6
10°-20°	5872.7	18.2
20°-30°	7724.7	24.0
30°-40°	6704.6	20.8
40°-50°	4589.3	14.2
50°-60°	1991.5	6.2
60°-70°	1004.1	3.1
70°-80°	787.6	2.4
80°-90°	413.1	1.3
90°-100°	190.2	0.6
100°-110°	186.9	0.6
110°-120°	173.0	0.5
120°-130°	149.9	0.5
130°-140°	122.9	0.4
140°-150°	96.8	0.3
150°-160°	62.8	0.2
160°-170°	28.7	0.1
170°-180°	7.4	0.0
0°-30°	15716.0	48.8
0°-40°	22420.6	69.6
0°-60°	29001.4	90.0
0°-90°	31206.2	96.8
90°-120°	550.1	1.7
90°-150°	919.8	2.9
90°-180°	1019.0	3.2
0°-180°	32224.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22472	
5°	22354	###
15°	21015	5873
25°	16996	7725
35°	10652	6705
45°	5882	4589
55°	2092	1992
65°	964	1004
75°	757	788
85°	380	352
90°	174	109
95°	174	143
105°	177	187
115°	174	173
125°	167	150
135°	158	123
145°	155	97
155°	135	63
165°	99	29
175°	74	7
180°	72	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	22472.4
2.5°	22402.6
5°	22353.8
7.5°	22171.3
10°	21893.5
12.5°	21547.1
15°	21014.7
17.5°	20238.2
20°	19303.6
22.5°	18248.1
25°	16996.1
27.5°	15531.4
30°	13920.3
32.5°	12217.3
35°	10651.5
37.5°	9282.1
40°	8073.2
42.5°	6961.9
45°	5882.0
47.5°	5098.5
50°	3886.1
52.5°	2573.7
55°	2092.4
57.5°	1692.5
60°	1327.5
62.5°	1086.9
65°	963.7
67.5°	906.7
70°	871.8
72.5°	823.0
75°	756.8
77.5°	675.4
80°	582.4
82.5°	483.6
85°	380.1
87.5°	274.3
90°	174.4
92.5°	172.0
95°	174.4
97.5°	175.5
100°	176.7
102.5°	176.7
105°	176.7
107.5°	176.7
110°	176.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	175.5
115°	174.4
117.5°	173.2
120°	170.9
122.5°	168.6
125°	167.4
127.5°	165.1
130°	162.7
132.5°	160.4
135°	158.1
137.5°	156.9
140°	155.8
142.5°	154.6
145°	154.6
147.5°	153.4
150°	151.1
152.5°	143.0
155°	134.8
157.5°	126.7
160°	117.4
162.5°	108.1
165°	98.8
167.5°	90.7
170°	84.9
172.5°	77.9
175°	74.4
177.5°	72.1
180°	72.1

(END OF REPORT)