

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: P1505579

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505579
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-124)
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-B-06-TRWH-PS (3500K_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

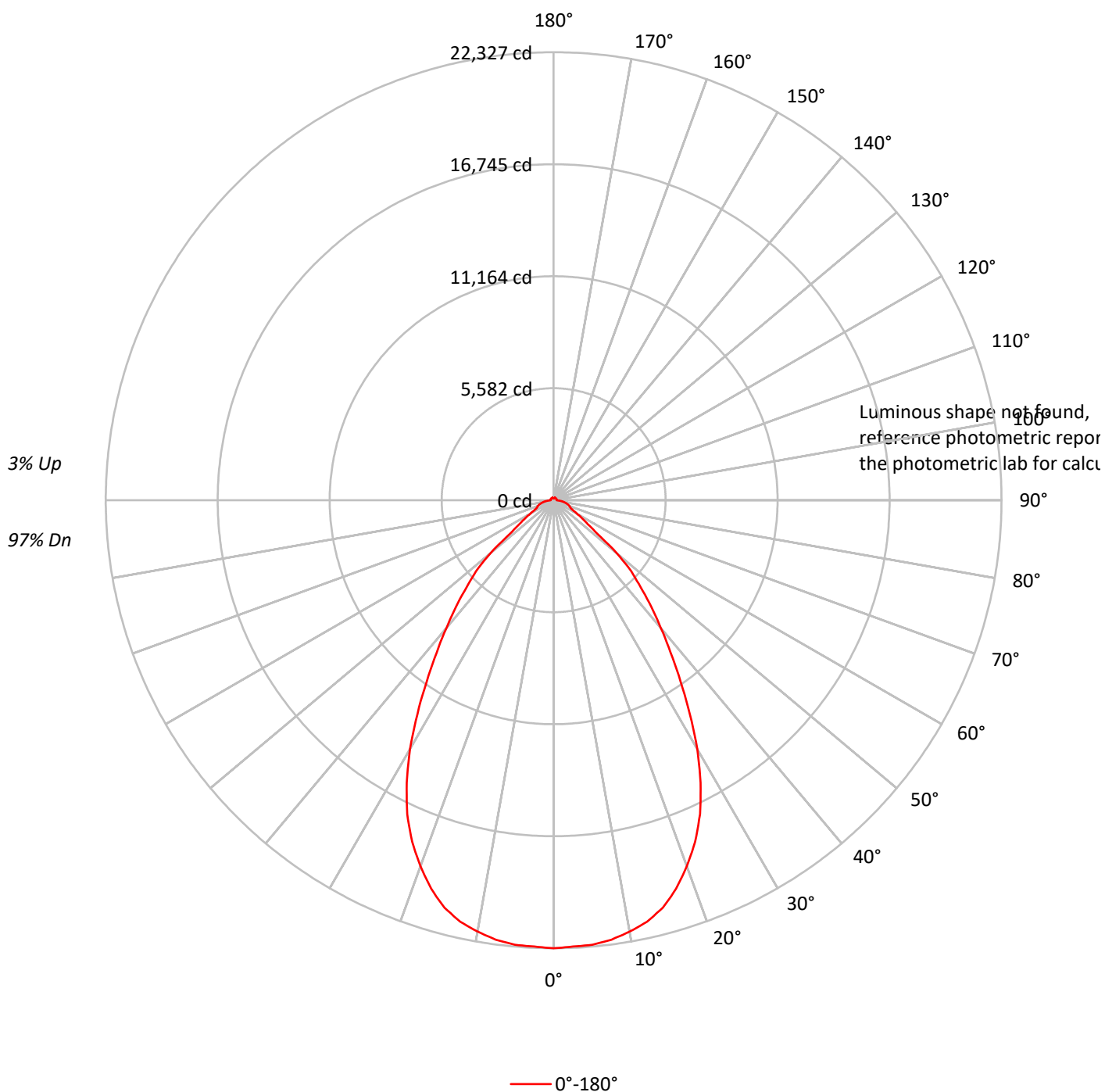
Lumens per Lamp: N/A
Luminaire Lumens: 32533.1 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.02
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

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	110	110	110	104	104	104	100	100	100	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89	87		
2	104	97	92	88	101	95	91	87	92	88	84	88	85	82	85	82	80	78		
3	97	89	82	77	94	87	81	77	84	79	75	81	77	73	78	75	72	70		
4	91	81	74	69	88	80	73	68	77	72	67	75	70	66	72	68	65	63		
5	85	74	67	62	83	73	67	62	71	65	61	69	64	60	67	63	59	57		
6	79	69	61	56	78	68	61	56	66	60	55	64	59	55	62	58	54	52		
7	75	64	56	51	73	63	56	51	61	55	51	59	54	50	58	53	50	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	43	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°	2109.4	6.5
10°-20°	5879.3	18.1
20°-30°	7847.9	24.1
30°-40°	6924.0	21.3
40°-50°	4757.3	14.6
50°-60°	2049.1	6.3
60°-70°	989.5	3.0
70°-80°	725.4	2.2
80°-90°	352.7	1.1
90°-100°	159.6	0.5
100°-110°	159.4	0.5
110°-120°	150.0	0.5
120°-130°	132.5	0.4
130°-140°	110.5	0.3
140°-150°	87.2	0.3
150°-160°	59.7	0.2
160°-170°	30.6	0.1
170°-180°	8.9	0.0
0°-30°	15836.5	48.7
0°-40°	22760.5	70.0
0°-60°	29567.0	90.9
0°-90°	31634.5	97.2
90°-120°	469.1	1.4
90°-150°	799.3	2.5
90°-180°	899.0	2.8
0°-180°	32533.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22327	
5°	22236	###
15°	21023	5879
25°	17261	7848
35°	11033	6924
45°	6123	4757
55°	2085	2049
65°	945	989
75°	695	725
85°	321	301
90°	150	92
95°	145	119
105°	151	159
115°	151	150
125°	148	132
135°	142	111
145°	138	87
155°	129	60
165°	106	31
175°	92	9
180°	92	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	22327.1
2.5°	22266.6
5°	22236.4
7.5°	22086.4
10°	21828.4
12.5°	21509.9
15°	21022.8
17.5°	20300.9
20°	19412.8
22.5°	18428.2
25°	17261.1
27.5°	15860.4
30°	14322.5
32.5°	12633.4
35°	11032.8
37.5°	9575.1
40°	8315.0
42.5°	7206.0
45°	6122.6
47.5°	5242.6
50°	4131.3
52.5°	2709.7
55°	2085.4
57.5°	1698.3
60°	1344.9
62.5°	1085.7
65°	945.1
67.5°	880.0
70°	832.3
72.5°	773.0
75°	695.1
77.5°	606.8
80°	512.6
82.5°	416.2
85°	320.8
87.5°	226.7
90°	150.0
92.5°	143.0
95°	145.3
97.5°	147.6
100°	148.8
102.5°	150.0
105°	151.1
107.5°	151.1
110°	152.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	151.1
115°	151.1
117.5°	151.1
120°	150.0
122.5°	148.8
125°	147.6
127.5°	146.5
130°	145.3
132.5°	144.1
135°	141.8
137.5°	141.8
140°	140.7
142.5°	139.5
145°	138.3
147.5°	138.3
150°	137.2
152.5°	133.7
155°	129.0
157.5°	123.2
160°	118.6
162.5°	112.8
165°	105.8
167.5°	101.1
170°	96.5
172.5°	93.0
175°	91.8
177.5°	91.8
180°	91.8

(END OF REPORT)