

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: P1505225

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (4000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505225
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_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

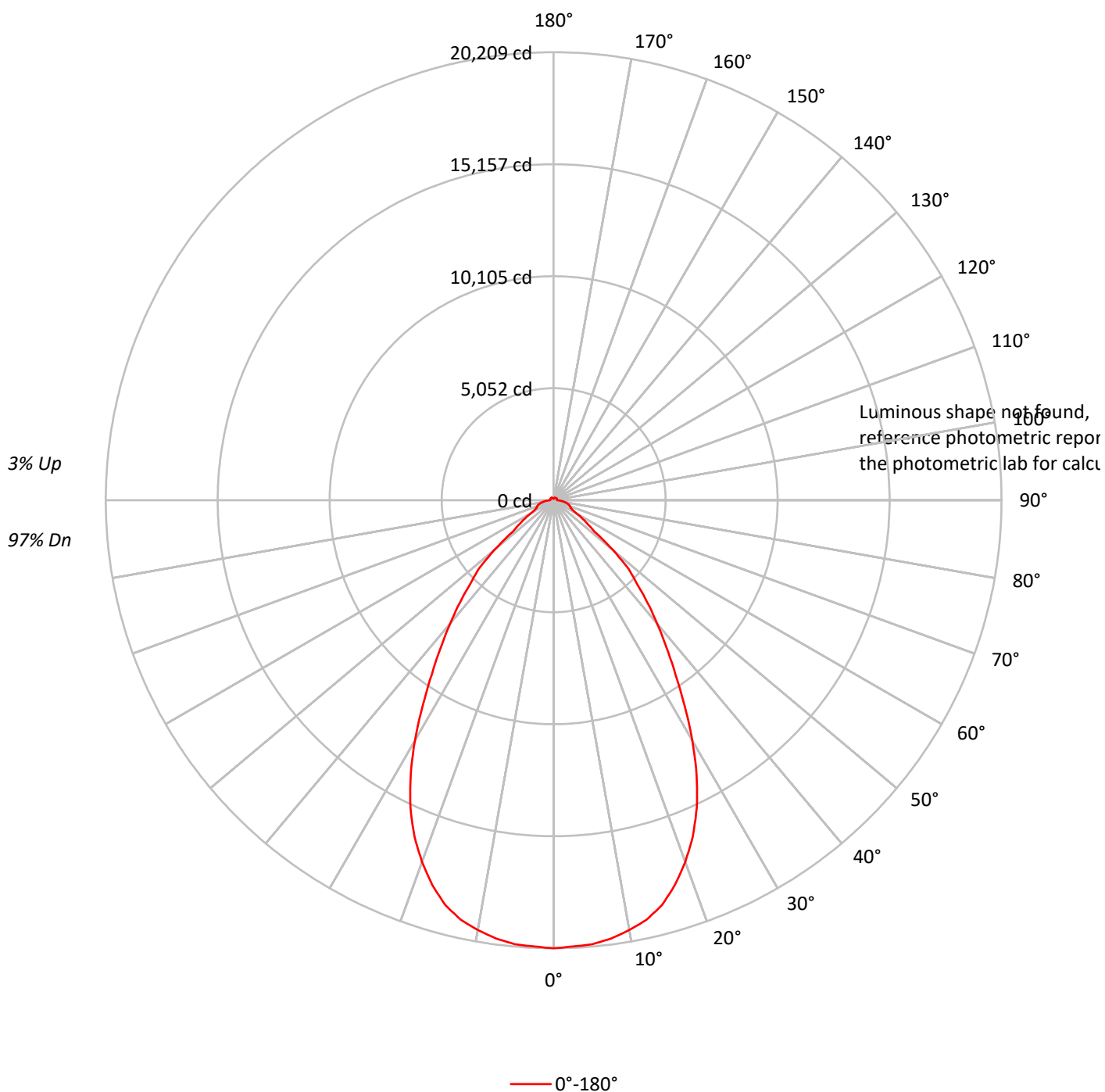
Lumens per Lamp: N/A
Luminaire Lumens: 28979.6 lumens
Efficiency: N/A
Efficacy: 149.1 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 194.3
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°	1905.3	6.6
10°-20°	5281.2	18.2
20°-30°	6946.8	24.0
30°-40°	6029.4	20.8
40°-50°	4127.1	14.2
50°-60°	1791.0	6.2
60°-70°	902.9	3.1
70°-80°	708.3	2.4
80°-90°	371.5	1.3
90°-100°	171.1	0.6
100°-110°	168.1	0.6
110°-120°	155.6	0.5
120°-130°	134.8	0.5
130°-140°	110.6	0.4
140°-150°	87.0	0.3
150°-160°	56.5	0.2
160°-170°	25.8	0.1
170°-180°	6.7	0.0
0°-30°	14133.3	48.8
0°-40°	20162.7	69.6
0°-60°	26080.7	90.0
0°-90°	28063.4	96.8
90°-120°	494.8	1.7
90°-150°	827.2	2.9
90°-180°	916.0	3.2
0°-180°	28979.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20209	
5°	20103	###
15°	18898	5281
25°	15284	6947
35°	9579	6029
45°	5290	4127
55°	1882	1791
65°	867	903
75°	680	708
85°	342	316
90°	157	98
95°	157	128
105°	159	168
115°	157	156
125°	150	135
135°	142	111
145°	139	87
155°	121	56
165°	89	26
175°	67	7
180°	65	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20209.3
2.5°	20146.5
5°	20102.6
7.5°	19938.5
10°	19688.7
12.5°	19377.1
15°	18898.4
17.5°	18200.0
20°	17359.6
22.5°	16410.4
25°	15284.5
27.5°	13967.3
30°	12518.4
32.5°	10986.9
35°	9578.8
37.5°	8347.4
40°	7260.2
42.5°	6260.8
45°	5289.6
47.5°	4585.0
50°	3494.7
52.5°	2314.5
55°	1881.7
57.5°	1522.1
60°	1193.8
62.5°	977.4
65°	866.6
67.5°	815.4
70°	784.0
72.5°	740.1
75°	680.5
77.5°	607.4
80°	523.7
82.5°	434.9
85°	341.8
87.5°	246.7
90°	156.8
92.5°	154.7
95°	156.8
97.5°	157.9
100°	158.9
102.5°	158.9
105°	158.9
107.5°	158.9
110°	158.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	157.9
115°	156.8
117.5°	155.8
120°	153.7
122.5°	151.6
125°	150.5
127.5°	148.4
130°	146.4
132.5°	144.3
135°	142.2
137.5°	141.1
140°	140.1
142.5°	139.0
145°	139.0
147.5°	138.0
150°	135.9
152.5°	128.6
155°	121.3
157.5°	113.9
160°	105.6
162.5°	97.2
165°	88.9
167.5°	81.5
170°	76.3
172.5°	70.0
175°	66.9
177.5°	64.8
180°	64.8

(END OF REPORT)