

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: P1505231

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (5000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505231
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 (5000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

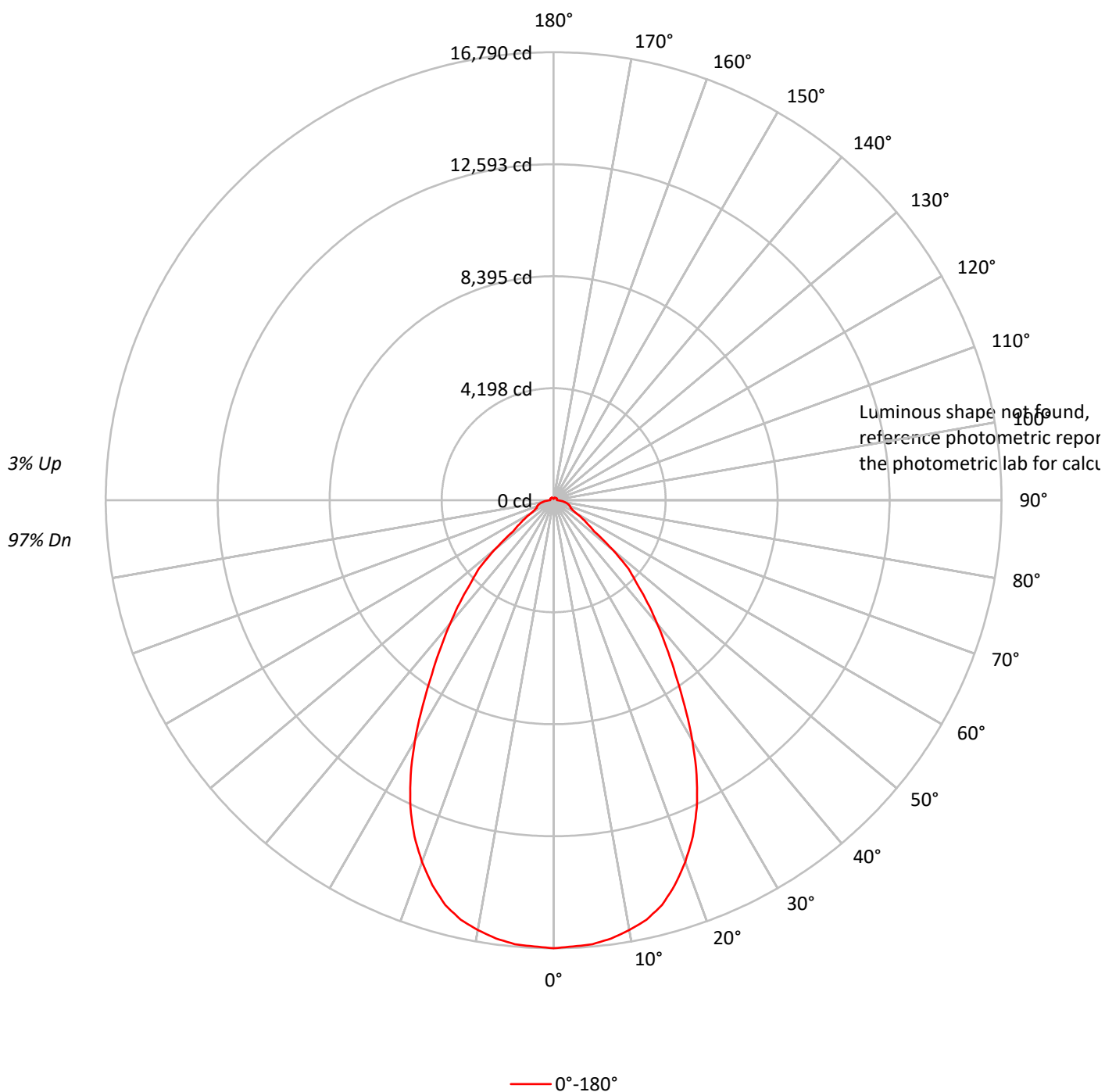
Lumens per Lamp: N/A
Luminaire Lumens: 24076.0 lumens
Efficiency: N/A
Efficacy: 153.9 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 156.4
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	92	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°	1582.9	6.6
10°-20°	4387.6	18.2
20°-30°	5771.3	24.0
30°-40°	5009.2	20.8
40°-50°	3428.8	14.2
50°-60°	1487.9	6.2
60°-70°	750.2	3.1
70°-80°	588.5	2.4
80°-90°	308.6	1.3
90°-100°	142.1	0.6
100°-110°	139.6	0.6
110°-120°	129.2	0.5
120°-130°	112.0	0.5
130°-140°	91.9	0.4
140°-150°	72.3	0.3
150°-160°	46.9	0.2
160°-170°	21.5	0.1
170°-180°	5.5	0.0
0°-30°	11741.8	48.8
0°-40°	16751.0	69.6
0°-60°	21667.7	90.0
0°-90°	23315.0	96.8
90°-120°	411.0	1.7
90°-150°	687.1	2.9
90°-180°	761.0	3.2
0°-180°	24076.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16790	
5°	16701	###
15°	15701	4388
25°	12698	5771
35°	7958	5009
45°	4395	3429
55°	1563	1488
65°	720	750
75°	565	588
85°	284	263
90°	130	81
95°	130	107
105°	132	140
115°	130	129
125°	125	112
135°	118	92
145°	116	72
155°	101	47
165°	74	21
175°	56	6
180°	54	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16789.8
2.5°	16737.6
5°	16701.2
7.5°	16564.8
10°	16357.2
12.5°	16098.4
15°	15700.7
17.5°	15120.5
20°	14422.2
22.5°	13633.6
25°	12698.3
27.5°	11604.0
30°	10400.2
32.5°	9127.9
35°	7958.0
37.5°	6934.9
40°	6031.7
42.5°	5201.4
45°	4394.6
47.5°	3809.2
50°	2903.4
52.5°	1922.8
55°	1563.3
57.5°	1264.5
60°	991.8
62.5°	812.0
65°	720.0
67.5°	677.4
70°	651.4
72.5°	614.9
75°	565.4
77.5°	504.6
80°	435.1
82.5°	361.3
85°	284.0
87.5°	205.0
90°	130.3
92.5°	128.5
95°	130.3
97.5°	131.1
100°	132.0
102.5°	132.0
105°	132.0
107.5°	132.0
110°	132.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	131.1
115°	130.3
117.5°	129.4
120°	127.7
122.5°	125.9
125°	125.1
127.5°	123.3
130°	121.6
132.5°	119.9
135°	118.1
137.5°	117.2
140°	116.4
142.5°	115.5
145°	115.5
147.5°	114.6
150°	112.9
152.5°	106.8
155°	100.7
157.5°	94.7
160°	87.7
162.5°	80.8
165°	73.8
167.5°	67.7
170°	63.4
172.5°	58.2
175°	55.6
177.5°	53.8
180°	53.8

(END OF REPORT)