

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: P1505419

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (6500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505419
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-101)
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-04-TRWH-PS (6500K_L24_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

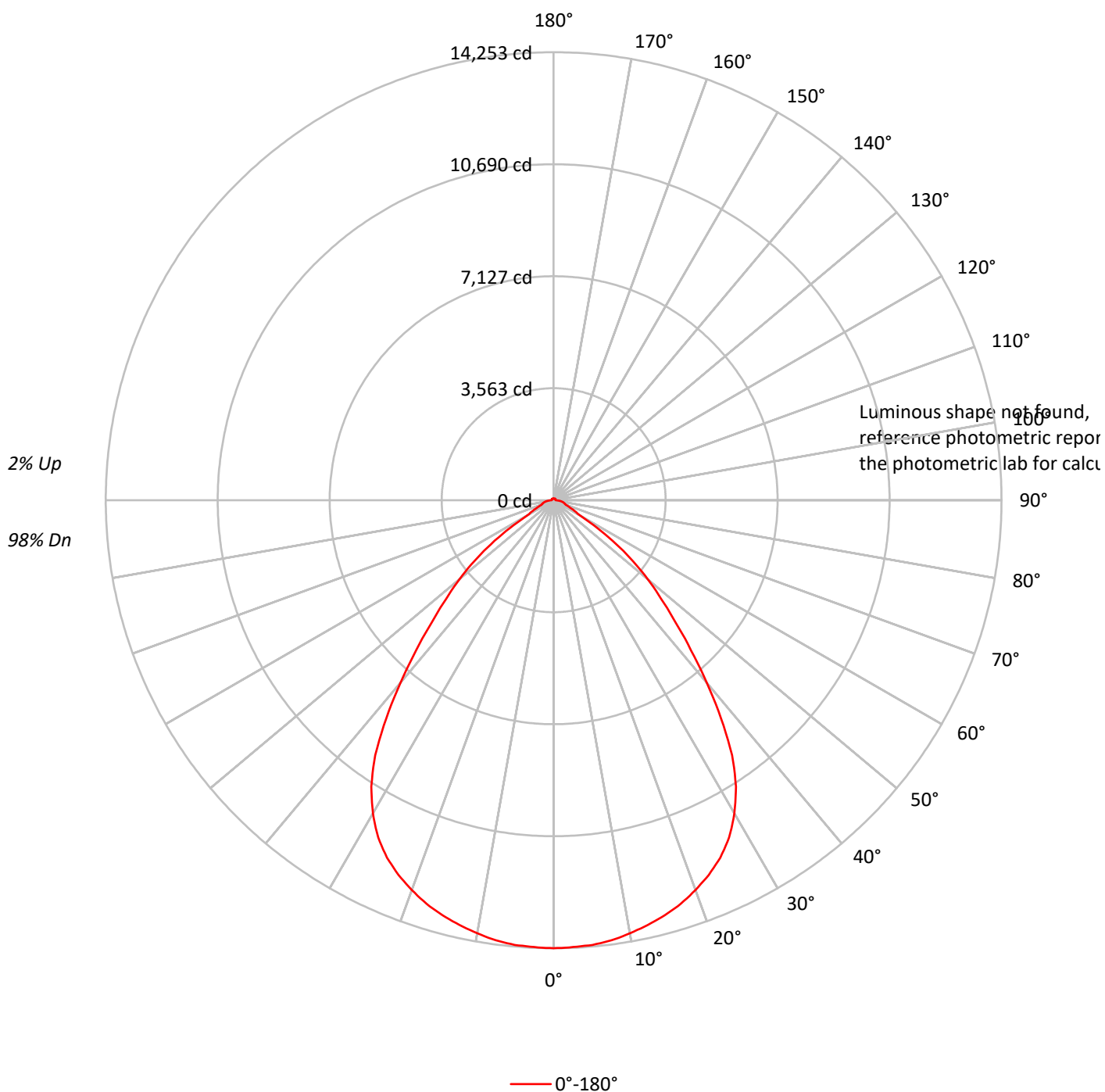
Lumens per Lamp: N/A
Luminaire Lumens: 25037.8 lumens
Efficiency: N/A
Efficacy: 156.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 159.8
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

TEST NUMBER: P1505419

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (6500K_L24_Medium_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1505419

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (6500K_L24_Medium_120V)

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	98		
1	111	108	104	102	109	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	97	92	88	101	96	91	87	92	88	85	89	85	83	86	83	81	79		
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70		
4	90	80	73	68	88	79	73	68	77	71	67	74	69	66	72	68	65	63		
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	62	58	56		
6	79	67	60	55	77	66	59	54	65	58	54	63	57	53	61	57	53	51		
7	73	62	55	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46		
8	69	57	50	45	67	57	50	45	55	49	44	54	48	44	53	48	44	42		
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505419

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (6500K_L24_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1348.8	5.4
10°-20°	3855.6	15.4
20°-30°	5751.2	23.0
30°-40°	6076.1	24.3
40°-50°	4284.9	17.1
50°-60°	2151.1	8.6
60°-70°	630.6	2.5
70°-80°	364.5	1.5
80°-90°	190.3	0.8
90°-100°	65.9	0.3
100°-110°	66.3	0.3
110°-120°	62.8	0.3
120°-130°	55.8	0.2
130°-140°	47.9	0.2
140°-150°	39.6	0.2
150°-160°	27.5	0.1
160°-170°	14.4	0.1
170°-180°	4.3	0.0
0°-30°	10955.7	43.8
0°-40°	17031.9	68.0
0°-60°	23467.9	93.7
0°-90°	24653.2	98.5
90°-120°	195.0	0.8
90°-150°	338.4	1.4
90°-180°	385.0	1.5
0°-180°	25037.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14253	
5°	14200	###
15°	13671	3856
25°	12544	5751
35°	9903	6076
45°	5478	4285
55°	2438	2151
65°	616	631
75°	346	364
85°	178	166
90°	60	41
95°	60	50
105°	63	66
115°	64	63
125°	62	56
135°	62	48
145°	63	40
155°	58	28
165°	50	14
175°	45	4
180°	46	

TEST NUMBER: P1505419

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (6500K_L24_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	14252.6
2.5°	14229.7
5°	14200.1
7.5°	14122.9
10°	13989.9
12.5°	13839.1
15°	13671.3
17.5°	13461.1
20°	13197.6
22.5°	12903.5
25°	12544.2
27.5°	12096.8
30°	11504.4
32.5°	10800.2
35°	9902.8
37.5°	8752.9
40°	7583.5
42.5°	6466.6
45°	5477.7
47.5°	4639.6
50°	3912.5
52.5°	3188.0
55°	2438.0
57.5°	1644.0
60°	958.4
62.5°	764.4
65°	616.1
67.5°	491.5
70°	407.6
72.5°	372.0
75°	345.7
77.5°	318.6
80°	279.6
82.5°	231.3
85°	178.0
87.5°	119.5
90°	60.2
92.5°	59.3
95°	60.2
97.5°	61.0
100°	61.9
102.5°	62.7
105°	62.7
107.5°	62.7
110°	63.6

TEST NUMBER: P1505419

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (6500K_L24_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	63.6
115°	63.6
117.5°	62.7
120°	62.7
122.5°	62.7
125°	61.9
127.5°	61.9
130°	61.9
132.5°	61.9
135°	61.9
137.5°	61.9
140°	61.9
142.5°	62.7
145°	62.7
147.5°	63.6
150°	64.4
152.5°	61.9
155°	58.5
157.5°	56.8
160°	55.1
162.5°	52.5
165°	50.0
167.5°	48.3
170°	46.6
172.5°	44.9
175°	44.9
177.5°	45.8
180°	45.8

(END OF REPORT)