

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: P1505060

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505060
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-88)
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-04-TRWH-PS (6500K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

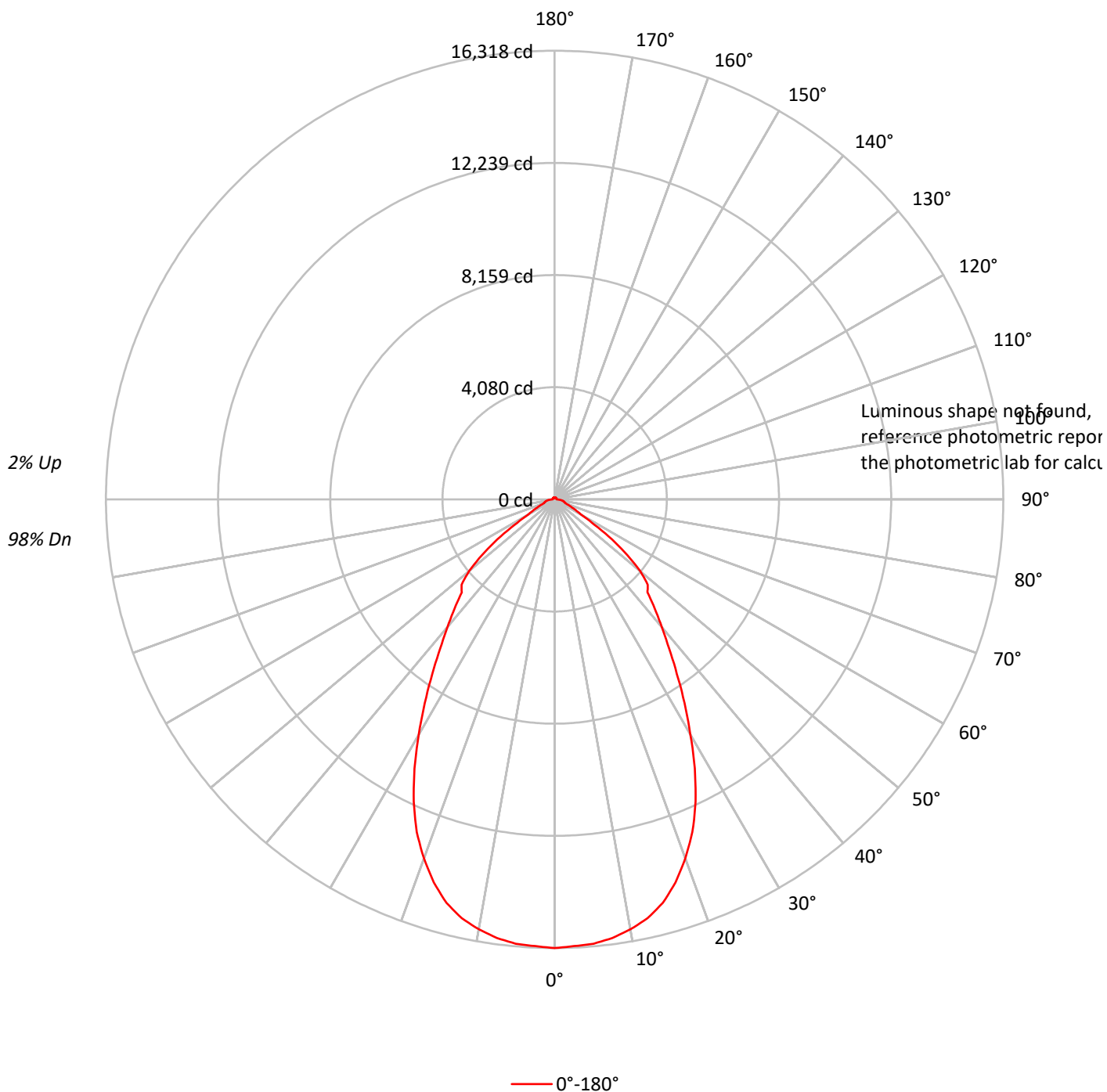
Lumens per Lamp: N/A
Luminaire Lumens: 24002.6 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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: P1505060

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_L24_Narrow_120V)

Luminous Intensity Polar Plot





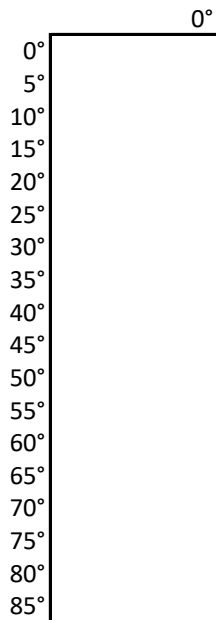
TEST NUMBER: P1505060

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_L24_Narrow_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	100	100	100	98		
1	111	108	104	101	108	105	102	100	101	98	96	97	95	93	93	91	90	88		
2	104	97	92	88	101	96	91	87	92	88	85	89	85	82	85	83	80	78		
3	97	89	82	77	94	87	81	76	84	79	75	81	77	73	78	75	72	70		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	72	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	63	59	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52		
7	74	63	55	50	72	62	55	50	60	54	50	59	53	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	46	55	49	45	54	49	45	43		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	42	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505060

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_L24_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1537.4	6.4
10°-20°	4244.1	17.7
20°-30°	5515.9	23.0
30°-40°	4872.8	20.3
40°-50°	3818.2	15.9
50°-60°	2263.6	9.4
60°-70°	720.6	3.0
70°-80°	383.8	1.6
80°-90°	210.7	0.9
90°-100°	80.0	0.3
100°-110°	78.0	0.3
110°-120°	72.0	0.3
120°-130°	62.8	0.3
130°-140°	52.6	0.2
140°-150°	43.5	0.2
150°-160°	29.0	0.1
160°-170°	13.8	0.1
170°-180°	3.8	0.0
0°-30°	11297.4	47.1
0°-40°	16170.2	67.4
0°-60°	22252.0	92.7
0°-90°	23567.1	98.2
90°-120°	230.0	1.0
90°-150°	388.9	1.6
90°-180°	436.0	1.8
0°-180°	24002.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16318	
5°	16221	###
15°	15198	4244
25°	12128	5516
35°	7752	4873
45°	4775	3818
55°	2550	2264
65°	702	721
75°	361	384
85°	197	182
90°	75	49
95°	73	60
105°	74	78
115°	73	72
125°	70	63
135°	68	53
145°	70	44
155°	62	29
165°	48	14
175°	38	4
180°	38	

TEST NUMBER: P1505060

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_L24_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	16317.7
2.5°	16263.5
5°	16221.1
7.5°	16090.6
10°	15877.9
12.5°	15600.0
15°	15197.5
17.5°	14607.7
20°	13895.8
22.5°	13094.2
25°	12128.1
27.5°	11034.1
30°	9876.6
32.5°	8784.3
35°	7752.1
37.5°	6825.9
40°	6054.7
42.5°	5393.8
45°	4775.2
47.5°	4594.7
50°	4060.8
52.5°	3334.6
55°	2549.9
57.5°	1728.7
60°	1130.4
62.5°	902.5
65°	701.7
67.5°	535.6
70°	433.9
72.5°	387.3
75°	361.0
77.5°	337.3
80°	300.8
82.5°	254.2
85°	196.6
87.5°	134.7
90°	75.4
92.5°	72.0
95°	72.9
97.5°	73.7
100°	73.7
102.5°	73.7
105°	73.7
107.5°	73.7
110°	73.7

TEST NUMBER: P1505060

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_L24_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	72.9
115°	72.9
117.5°	72.0
120°	71.2
122.5°	70.3
125°	70.3
127.5°	69.5
130°	68.6
132.5°	67.8
135°	67.8
137.5°	67.8
140°	67.8
142.5°	68.6
145°	69.5
147.5°	70.3
150°	70.3
152.5°	66.1
155°	61.9
157.5°	58.5
160°	55.1
162.5°	50.8
165°	47.5
167.5°	44.9
170°	42.4
172.5°	39.8
175°	38.1
177.5°	37.3
180°	38.1

(END OF REPORT)