

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: P1505023

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505023
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-89)
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 (3000K_L24_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

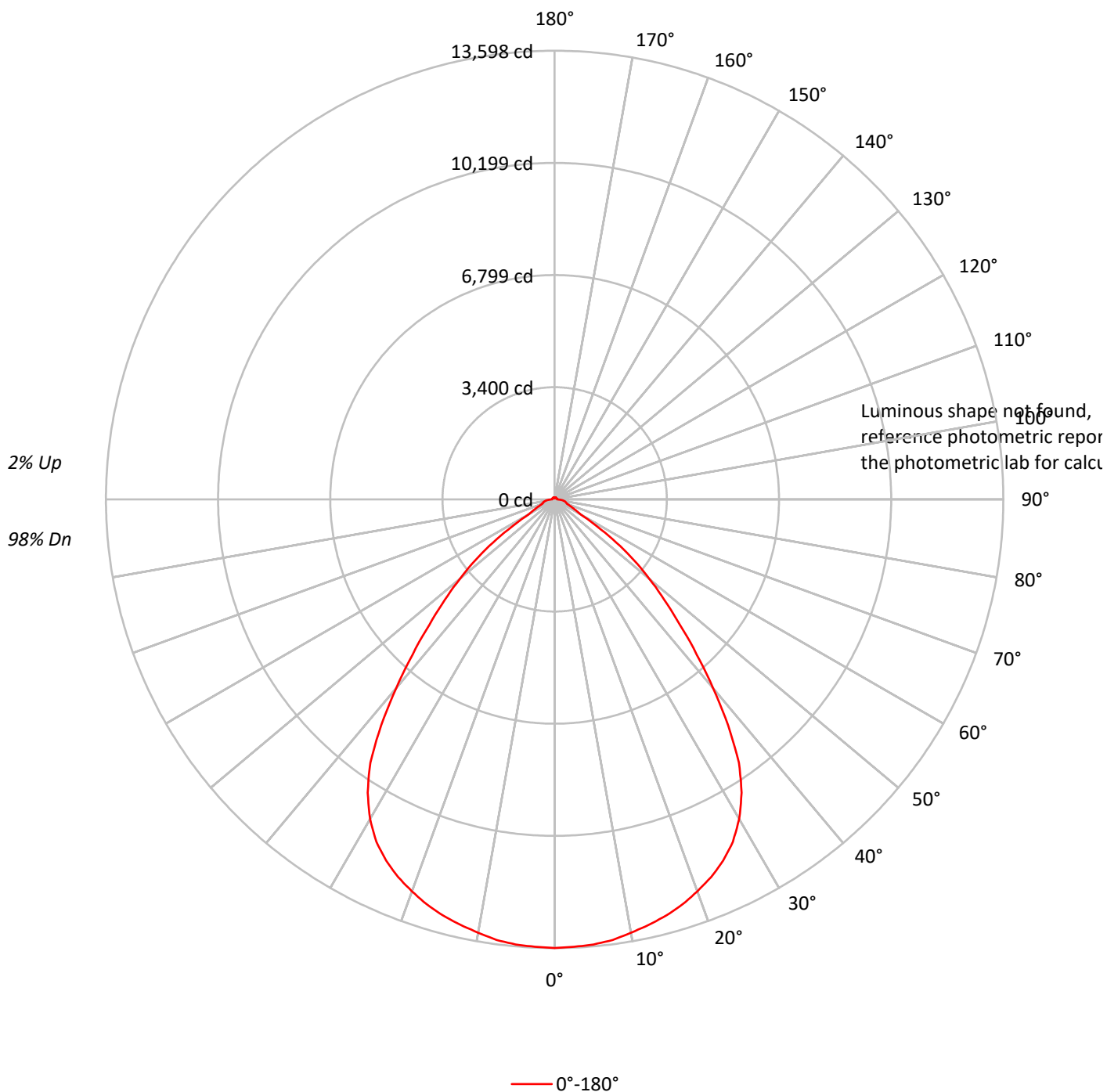
Lumens per Lamp: N/A
Luminaire Lumens: 24322.8 lumens
Efficiency: N/A
Efficacy: 152.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 159.4
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

TEST NUMBER: P1505023

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3000K_L24_Medium_120V)

Luminous Intensity Polar Plot





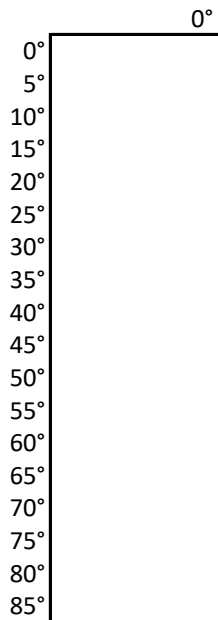
TEST NUMBER: P1505023

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3000K_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	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	95	91	87	92	88	84	88	85	82	85	83	80	78		
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	78	75	72	70		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64	62		
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56		
6	78	67	60	54	77	66	59	54	64	58	54	63	57	53	61	56	52	51		
7	73	62	54	49	72	61	54	49	59	53	48	58	52	48	57	52	48	46		
8	69	57	50	45	67	56	49	44	55	49	44	54	48	44	52	47	44	42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	44	40	38		
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	40	37	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505023

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3000K_L24_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1286.2	5.3
10°-20°	3684.2	15.1
20°-30°	5544.6	22.8
30°-40°	5960.1	24.5
40°-50°	4192.4	17.2
50°-60°	2034.0	8.4
60°-70°	607.6	2.5
70°-80°	374.8	1.5
80°-90°	215.7	0.9
90°-100°	78.2	0.3
100°-110°	76.0	0.3
110°-120°	70.2	0.3
120°-130°	61.2	0.3
130°-140°	51.4	0.2
140°-150°	42.2	0.2
150°-160°	27.8	0.1
160°-170°	12.9	0.1
170°-180°	3.4	0.0
0°-30°	10515.0	43.2
0°-40°	16475.1	67.7
0°-60°	22701.5	93.3
0°-90°	23899.5	98.3
90°-120°	224.4	0.9
90°-150°	379.1	1.6
90°-180°	423.0	1.7
0°-180°	24322.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13598	
5°	13542	###
15°	13059	3684
25°	12082	5545
35°	9738	5960
45°	5366	4192
55°	2285	2034
65°	595	608
75°	354	375
85°	205	186
90°	74	50
95°	71	58
105°	72	76
115°	71	70
125°	68	61
135°	66	51
145°	68	42
155°	59	28
165°	45	13
175°	35	3
180°	34	

TEST NUMBER: P1505023

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3000K_L24_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	13597.7
2.5°	13573.0
5°	13541.6
7.5°	13467.4
10°	13334.5
12.5°	13205.8
15°	13059.0
17.5°	12873.4
20°	12642.4
22.5°	12389.9
25°	12082.2
27.5°	11697.7
30°	11183.7
32.5°	10545.2
35°	9737.5
37.5°	8633.7
40°	7468.8
42.5°	6370.7
45°	5365.8
47.5°	4510.3
50°	3751.3
52.5°	3038.5
55°	2285.3
57.5°	1529.6
60°	901.7
62.5°	729.3
65°	594.8
67.5°	481.8
70°	408.4
72.5°	376.2
75°	353.9
77.5°	334.1
80°	300.3
82.5°	257.4
85°	204.6
87.5°	142.7
90°	74.3
92.5°	71.0
95°	71.0
97.5°	71.8
100°	71.8
102.5°	71.8
105°	71.8
107.5°	71.8
110°	71.8

TEST NUMBER: P1505023

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3000K_L24_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	71.0
115°	71.0
117.5°	70.1
120°	69.3
122.5°	68.5
125°	68.5
127.5°	67.7
130°	66.8
132.5°	66.8
135°	66.0
137.5°	66.0
140°	66.0
142.5°	66.8
145°	67.7
147.5°	67.7
150°	67.7
152.5°	63.5
155°	58.6
157.5°	56.1
160°	52.0
162.5°	47.9
165°	44.6
167.5°	41.3
170°	38.8
172.5°	36.3
175°	34.7
177.5°	33.8
180°	33.8

(END OF REPORT)