

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: P1505402

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (4000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505402
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-100)
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 (4000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

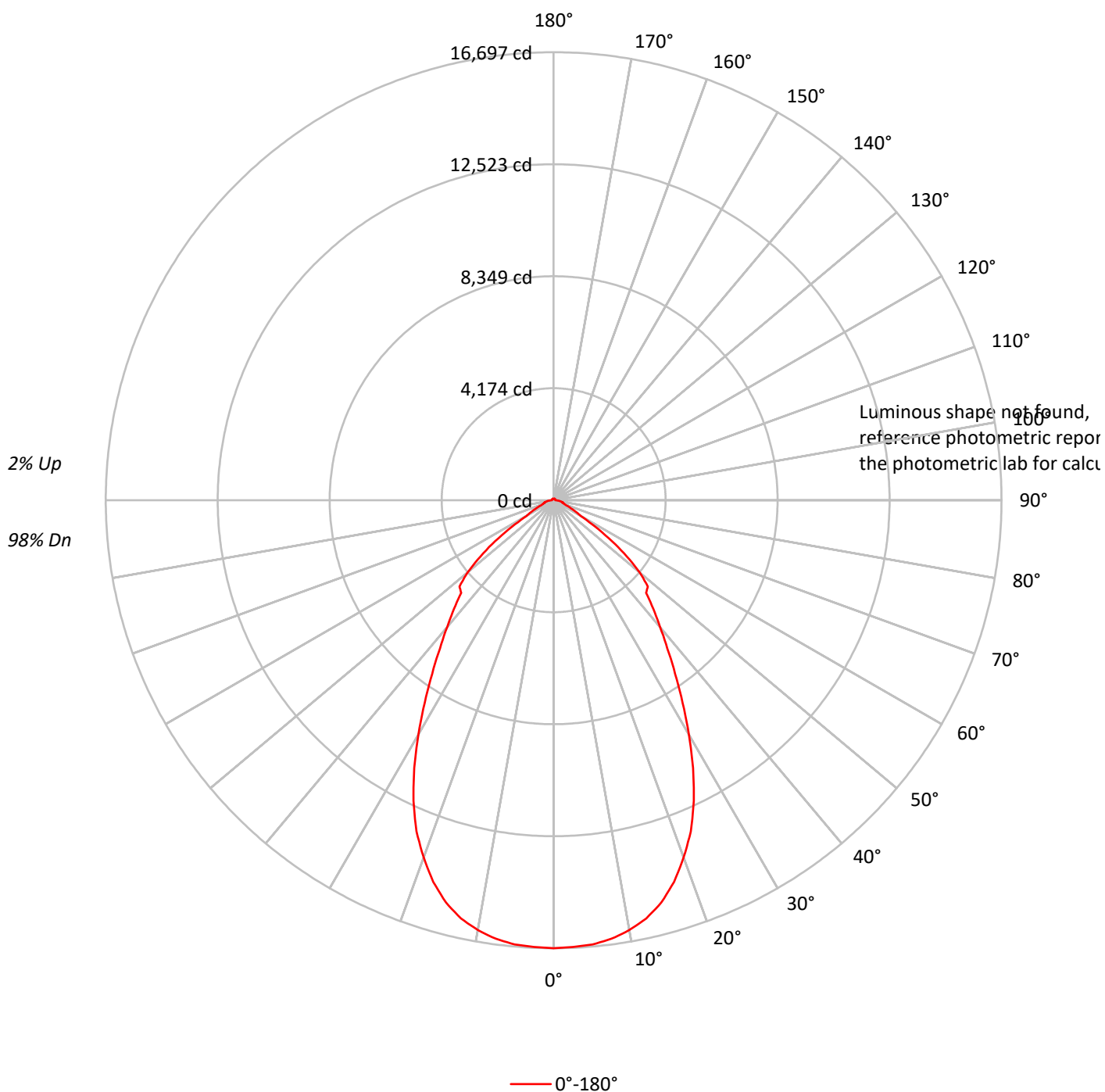
Lumens per Lamp: N/A
Luminaire Lumens: 24459.6 lumens
Efficiency: N/A
Efficacy: 157.1 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 155.7
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: P1505402

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (4000K_L24_Narrow_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1505402

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (4000K_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	101	101	101	98		
1	111	108	105	102	109	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	98	92	88	101	96	91	87	92	88	85	89	85	83	86	83	81	79		
3	97	89	82	77	95	87	81	77	84	79	75	81	77	74	79	75	72	70		
4	90	81	74	69	88	80	73	68	77	71	67	75	70	66	73	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	64	60	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	57	54	52		
7	74	63	56	50	73	62	55	50	60	54	50	59	53	49	58	53	49	47		
8	70	58	51	46	68	58	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	44	39	49	43	39	48	43	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505402

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (4000K_L24_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1575.0	6.4
10°-20°	4336.1	17.7
20°-30°	5623.8	23.0
30°-40°	4966.9	20.3
40°-50°	3911.7	16.0
50°-60°	2351.1	9.6
60°-70°	737.5	3.0
70°-80°	375.3	1.5
80°-90°	187.0	0.8
90°-100°	67.6	0.3
100°-110°	68.4	0.3
110°-120°	64.5	0.3
120°-130°	57.4	0.2
130°-140°	48.9	0.2
140°-150°	40.5	0.2
150°-160°	28.2	0.1
160°-170°	15.1	0.1
170°-180°	4.6	0.0
0°-30°	11534.9	47.2
0°-40°	16501.8	67.5
0°-60°	22764.6	93.1
0°-90°	24064.4	98.4
90°-120°	200.6	0.8
90°-150°	347.3	1.4
90°-180°	395.0	1.6
0°-180°	24459.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16697	
5°	16618	###
15°	15520	4336
25°	12360	5624
35°	7896	4967
45°	4873	3912
55°	2663	2351
65°	720	737
75°	353	375
85°	172	163
90°	61	41
95°	62	51
105°	64	68
115°	65	65
125°	64	57
135°	63	49
145°	64	40
155°	60	28
165°	52	15
175°	48	5
180°	48	

TEST NUMBER: P1505402

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (4000K_L24_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	16696.8
2.5°	16663.2
5°	16618.5
7.5°	16486.1
10°	16267.7
12.5°	15961.6
15°	15519.7
17.5°	14913.5
20°	14168.9
22.5°	13356.4
25°	12359.8
27.5°	11249.0
30°	10070.2
32.5°	8949.8
35°	7896.5
37.5°	6964.5
40°	6173.5
42.5°	5493.4
45°	4873.4
47.5°	4758.2
50°	4179.6
52.5°	3439.3
55°	2662.8
57.5°	1824.5
60°	1168.5
62.5°	926.9
65°	719.7
67.5°	542.5
70°	435.1
72.5°	384.3
75°	353.4
77.5°	325.0
80°	282.0
82.5°	229.6
85°	172.0
87.5°	113.5
90°	61.0
92.5°	61.0
95°	61.9
97.5°	62.8
100°	63.6
102.5°	64.5
105°	64.5
107.5°	65.3
110°	65.3

TEST NUMBER: P1505402

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (4000K_L24_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	65.3
115°	65.3
117.5°	64.5
120°	64.5
122.5°	64.5
125°	63.6
127.5°	63.6
130°	63.6
132.5°	63.6
135°	62.8
137.5°	62.8
140°	62.8
142.5°	63.6
145°	64.5
147.5°	65.3
150°	66.2
152.5°	62.8
155°	60.2
157.5°	58.5
160°	56.7
162.5°	55.0
165°	52.4
167.5°	50.7
170°	49.0
172.5°	47.3
175°	48.1
177.5°	48.1
180°	48.1

(END OF REPORT)