

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: P1505383

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505383
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 (3000K_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

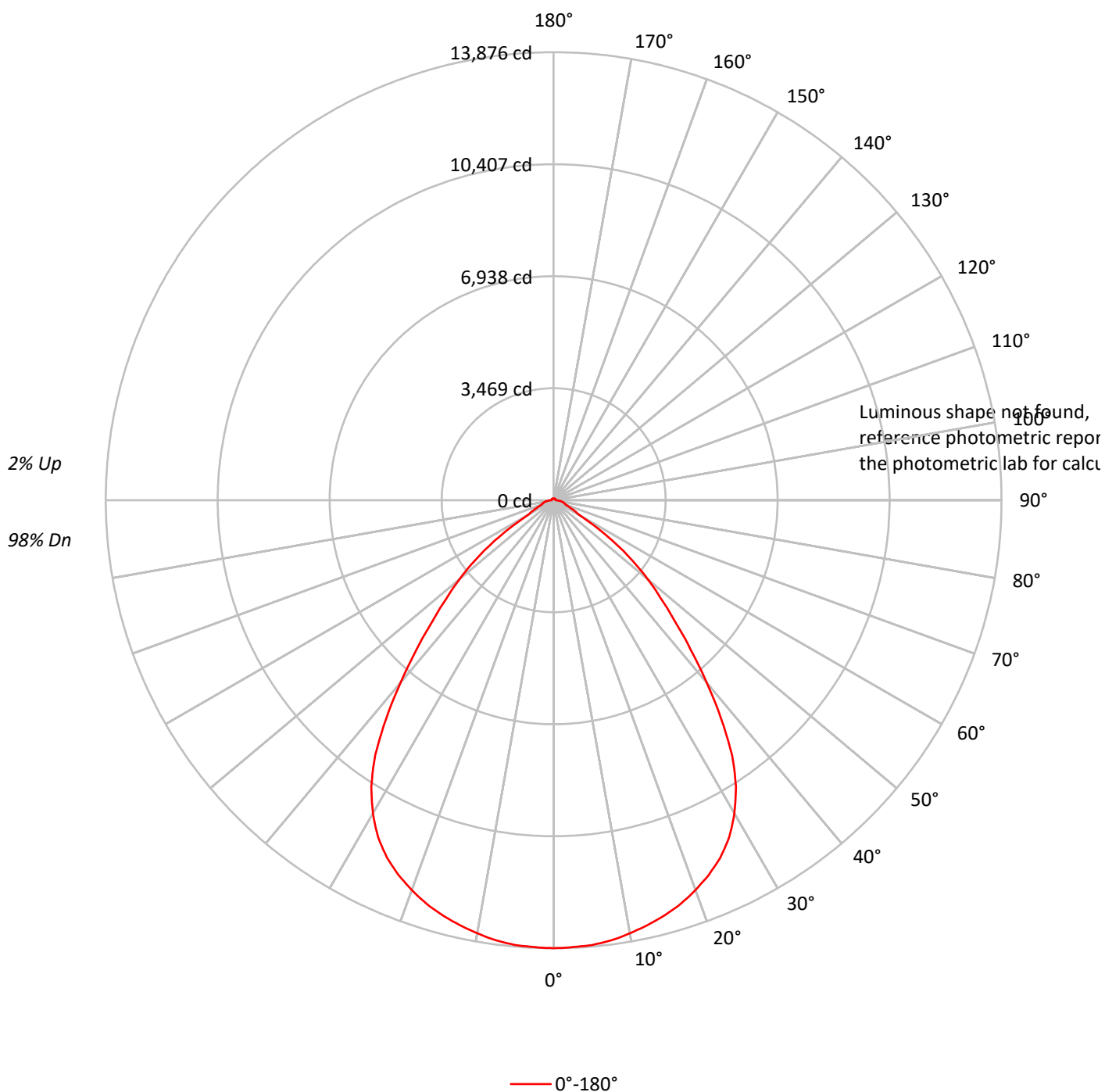
Lumens per Lamp: N/A
Luminaire Lumens: 24375.8 lumens
Efficiency: N/A
Efficacy: 152.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 159.4
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: P1505383

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

Luminous Intensity Polar Plot





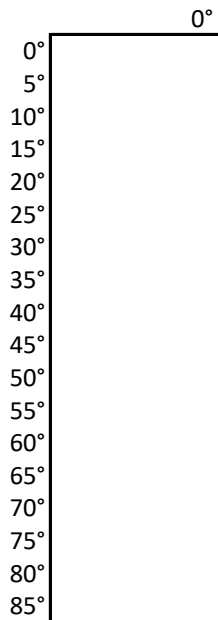
TEST NUMBER: P1505383

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-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	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: P1505383

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1313.2	5.4
10°-20°	3753.7	15.4
20°-30°	5599.2	23.0
30°-40°	5915.5	24.3
40°-50°	4171.6	17.1
50°-60°	2094.2	8.6
60°-70°	613.9	2.5
70°-80°	354.9	1.5
80°-90°	185.3	0.8
90°-100°	64.2	0.3
100°-110°	64.6	0.3
110°-120°	61.2	0.3
120°-130°	54.3	0.2
130°-140°	46.6	0.2
140°-150°	38.5	0.2
150°-160°	26.8	0.1
160°-170°	14.0	0.1
170°-180°	4.2	0.0
0°-30°	10666.0	43.8
0°-40°	16581.5	68.0
0°-60°	22847.3	93.7
0°-90°	24001.4	98.5
90°-120°	189.9	0.8
90°-150°	329.4	1.4
90°-180°	374.0	1.5
0°-180°	24375.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13876	
5°	13825	###
15°	13310	3754
25°	12212	5599
35°	9641	5915
45°	5333	4172
55°	2374	2094
65°	600	614
75°	337	355
85°	173	161
90°	59	40
95°	59	48
105°	61	65
115°	62	61
125°	60	54
135°	60	47
145°	61	39
155°	57	27
165°	49	14
175°	44	4
180°	45	

TEST NUMBER: P1505383

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	13875.7
2.5°	13853.5
5°	13824.6
7.5°	13749.5
10°	13620.0
12.5°	13473.1
15°	13309.8
17.5°	13105.2
20°	12848.6
22.5°	12562.3
25°	12212.5
27.5°	11776.9
30°	11200.2
32.5°	10514.7
35°	9641.0
37.5°	8521.5
40°	7383.0
42.5°	6295.6
45°	5332.8
47.5°	4516.9
50°	3809.0
52.5°	3103.7
55°	2373.5
57.5°	1600.5
60°	933.1
62.5°	744.2
65°	599.8
67.5°	478.5
70°	396.8
72.5°	362.2
75°	336.6
77.5°	310.2
80°	272.3
82.5°	225.2
85°	173.3
87.5°	116.3
90°	58.6
92.5°	57.8
95°	58.6
97.5°	59.4
100°	60.2
102.5°	61.1
105°	61.1
107.5°	61.1
110°	61.9

TEST NUMBER: P1505383

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

CANDELA DISTRIBUTION (continued):

	0°
112.5°	61.9
115°	61.9
117.5°	61.1
120°	61.1
122.5°	61.1
125°	60.2
127.5°	60.2
130°	60.2
132.5°	60.2
135°	60.2
137.5°	60.2
140°	60.2
142.5°	61.1
145°	61.1
147.5°	61.9
150°	62.7
152.5°	60.2
155°	56.9
157.5°	55.3
160°	53.6
162.5°	51.2
165°	48.7
167.5°	47.0
170°	45.4
172.5°	43.7
175°	43.7
177.5°	44.6
180°	44.6

(END OF REPORT)