

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: P1505097

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (5000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505097
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-87)
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-WHGL-PS (5000K_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

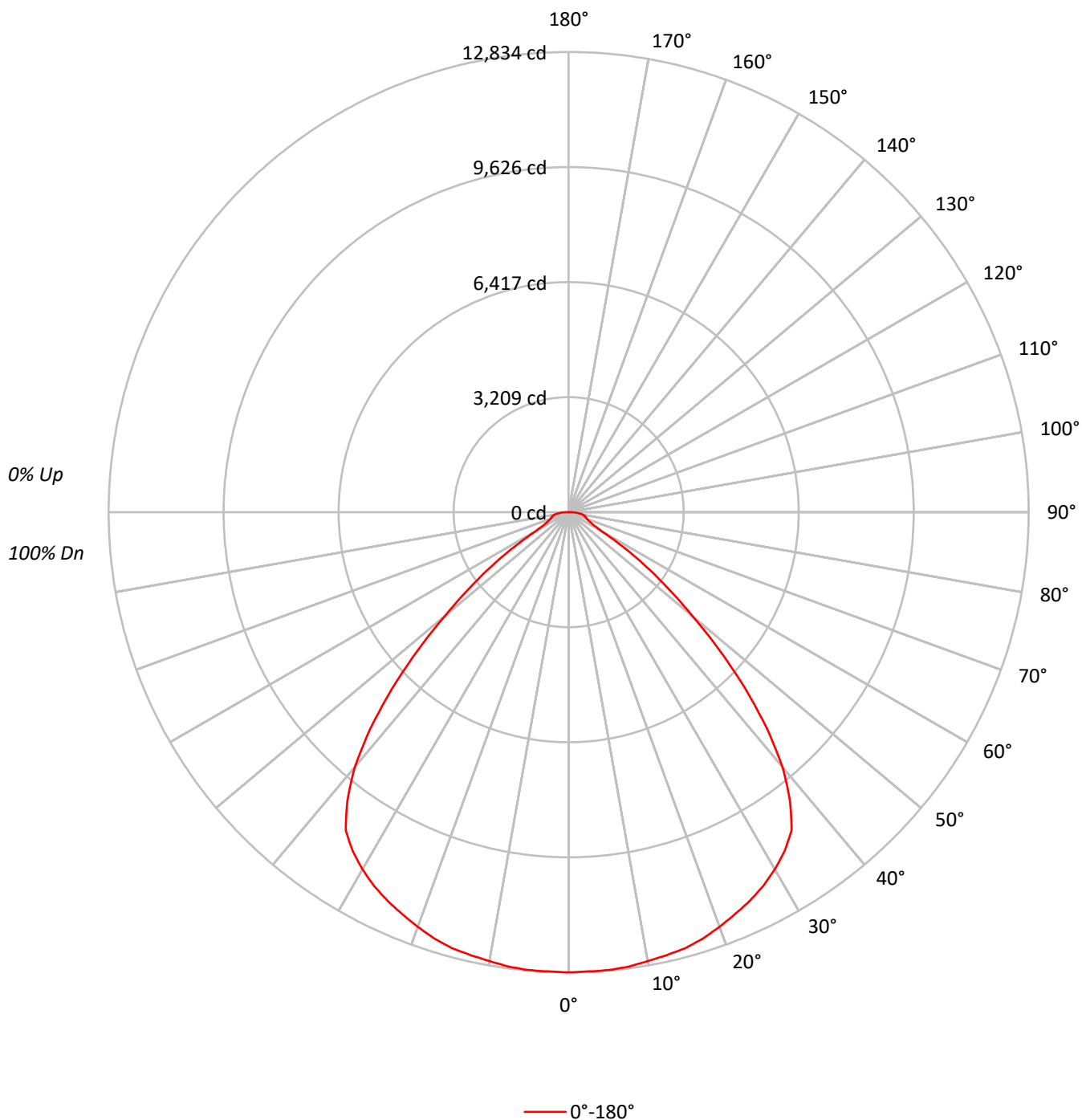
Lumens per Lamp: N/A
Luminaire Lumens: 26103.0 lumens
Efficiency: N/A
Efficacy: 166.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 156.4
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: P1505097

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (5000K_L24_Wide_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1505097

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (5000K_L24_Wide_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	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89		
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	64	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55		
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49		
7	72	60	53	47	71	60	52	47	58	52	47	57	51	47	56	50	46	45		
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40		
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37		
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	94169
5°	94414
10°	94729
15°	95611
20°	96096
25°	96809
30°	97457
35°	97105
40°	88905
45°	72361
50°	51563
55°	33509
60°	15766
65°	11716
70°	11534
75°	13617
80°	16843
85°	20913

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 72361 cd/sqm

TEST NUMBER: P1505097

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (5000K_L24_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1220.2	4.7
10°-20°	3552.7	13.6
20°-30°	5514.7	21.1
30°-40°	6661.2	25.5
40°-50°	5328.1	20.4
50°-60°	2368.7	9.1
60°-70°	705.6	2.7
70°-80°	503.2	1.9
80°-90°	248.6	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	10287.6	39.4
0°-40°	16948.8	64.9
0°-60°	24645.6	94.4
0°-90°	26103.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26103.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12834	
5°	12818	###
15°	12586	3553
25°	11957	5515
35°	10841	6661
45°	6973	5328
55°	2619	2369
65°	675	706
75°	480	503
85°	248	249
90°	0	

TEST NUMBER: P1505097

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (5000K_L24_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	12833.8
2.5°	12819.9
5°	12818.1
7.5°	12782.5
10°	12713.9
12.5°	12651.4
15°	12586.2
17.5°	12464.6
20°	12306.6
22.5°	12133.8
25°	11957.4
27.5°	11753.4
30°	11502.4
32.5°	11208.8
35°	10840.6
37.5°	10143.2
40°	9281.6
42.5°	8189.0
45°	6973.2
47.5°	5721.6
50°	4517.0
52.5°	3490.5
55°	2619.4
57.5°	1786.5
60°	1074.3
62.5°	784.3
65°	674.8
67.5°	590.6
70°	537.6
72.5°	508.1
75°	480.3
77.5°	448.1
80°	398.6
82.5°	334.4
85°	248.4
87.5°	131.1
90°	0.0

(END OF REPORT)