

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: P1505109

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (6500K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505109
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 (6500K_L32_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

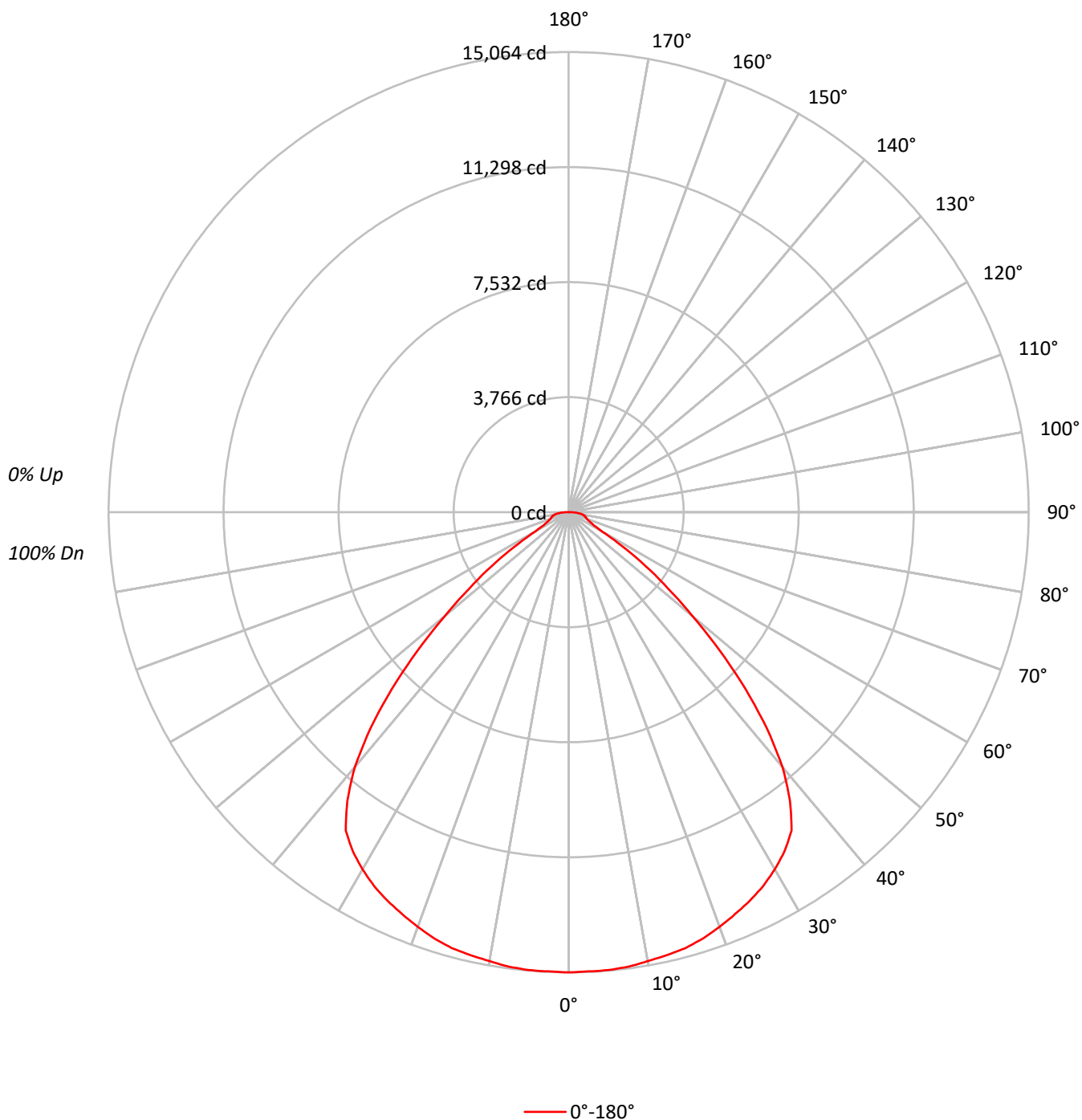
Lumens per Lamp: N/A
Luminaire Lumens: 30639.8 lumens
Efficiency: N/A
Efficacy: 153.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 200.1
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: P1505109

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (6500K_L32_Wide_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1505109

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (6500K_L32_Wide_120V)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				0
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°	110536
5°	110823
10°	111193
15°	112229
20°	112798
25°	113635
30°	114395
35°	113982
40°	104357
45°	84936
50°	60525
55°	39333
60°	18507
65°	13753
70°	13537
75°	15984
80°	19771
85°	24550

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 84936 cd/sqm

TEST NUMBER: P1505109

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (6500K_L32_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1432.3	4.7
10°-20°	4170.2	13.6
20°-30°	6473.2	21.1
30°-40°	7819.0	25.5
40°-50°	6254.1	20.4
50°-60°	2780.4	9.1
60°-70°	828.2	2.7
70°-80°	590.7	1.9
80°-90°	291.8	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°	12075.6	39.4
0°-40°	19894.6	64.9
0°-60°	28929.1	94.4
0°-90°	30639.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30639.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15064	
5°	15046	###
15°	14774	4170
25°	14036	6473
35°	12725	7819
45°	8185	6254
55°	3075	2780
65°	792	828
75°	564	591
85°	292	292
90°	0	

TEST NUMBER: P1505109

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (6500K_L32_Wide_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	15064.3
2.5°	15048.0
5°	15046.0
7.5°	15004.2
10°	14923.6
12.5°	14850.2
15°	14773.8
17.5°	14631.1
20°	14445.5
22.5°	14242.7
25°	14035.7
27.5°	13796.1
30°	13501.5
32.5°	13157.0
35°	12724.7
37.5°	11906.1
40°	10894.8
42.5°	9612.3
45°	8185.1
47.5°	6716.1
50°	5302.1
52.5°	4097.1
55°	3074.6
57.5°	2097.0
60°	1261.1
62.5°	920.6
65°	792.1
67.5°	693.2
70°	631.0
72.5°	596.4
75°	563.8
77.5°	526.0
80°	467.9
82.5°	392.5
85°	291.6
87.5°	153.9
90°	0.0

(END OF REPORT)