

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: P1505091

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (4000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505091
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 (4000K_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

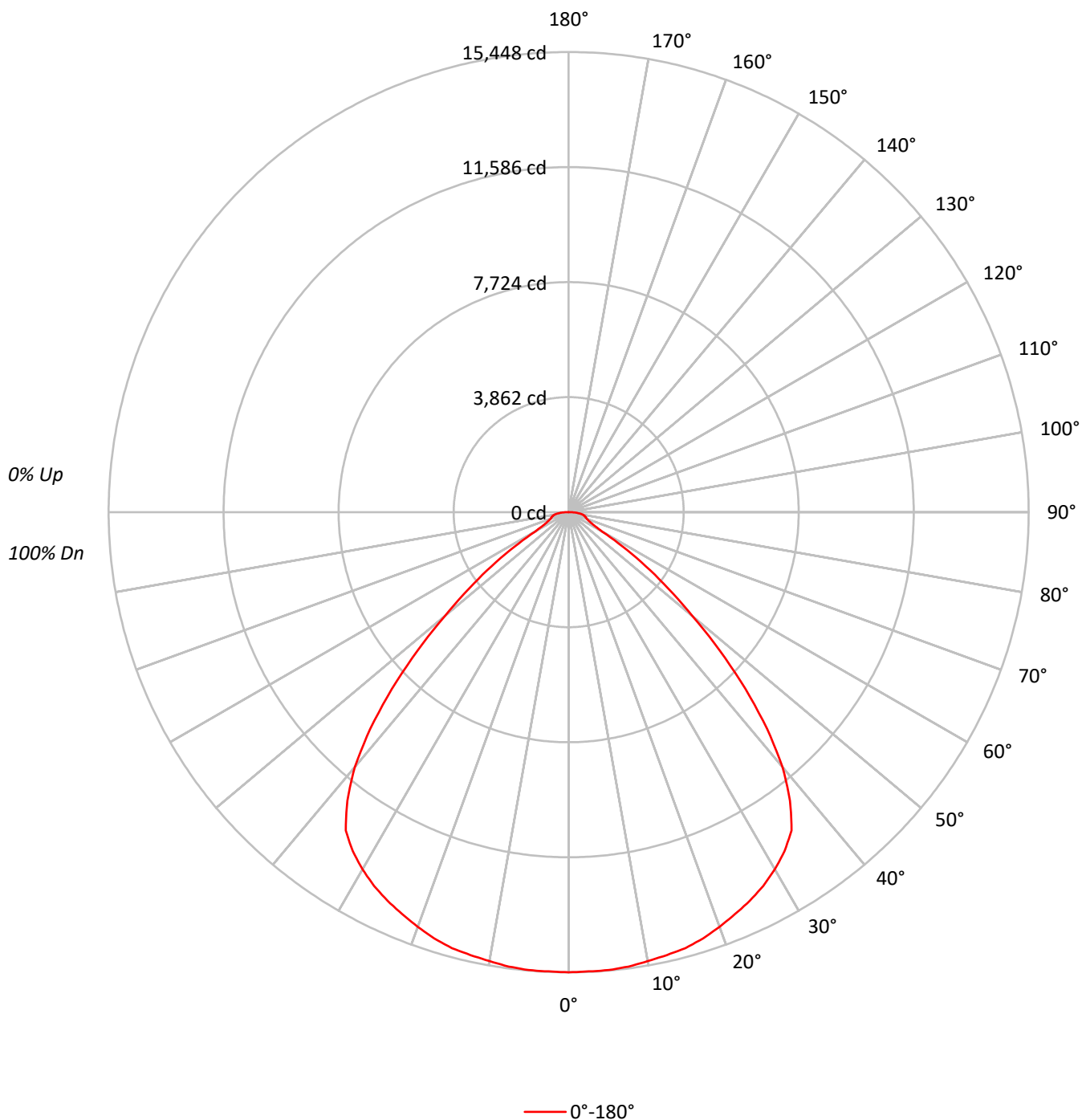
Lumens per Lamp: N/A
Luminaire Lumens: 31419.3 lumens
Efficiency: N/A
Efficacy: 161.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 194.3
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: P1505091

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (4000K_L32_Wide_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1505091

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (4000K_L32_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°	113349
5°	113642
10°	114022
15°	115083
20°	115668
25°	116526
30°	117305
35°	116882
40°	107012
45°	87097
50°	62065
55°	40334
60°	18977
65°	14103
70°	13883
75°	16389
80°	20274
85°	25173

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 87097 cd/sqm

TEST NUMBER: P1505091

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (4000K_L32_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1468.7	4.7
10°-20°	4276.3	13.6
20°-30°	6637.8	21.1
30°-40°	8017.9	25.5
40°-50°	6413.3	20.4
50°-60°	2851.1	9.1
60°-70°	849.3	2.7
70°-80°	605.7	1.9
80°-90°	299.2	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°	12382.8	39.4
0°-40°	20400.7	64.9
0°-60°	29665.1	94.4
0°-90°	31419.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31419.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15448	
5°	15429	###
15°	15150	4276
25°	14393	6638
35°	13048	8018
45°	8393	6413
55°	3153	2851
65°	812	849
75°	578	606
85°	299	299
90°	0	

TEST NUMBER: P1505091

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (4000K_L32_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	15447.6
2.5°	15430.8
5°	15428.7
7.5°	15385.9
10°	15303.3
12.5°	15228.0
15°	15149.6
17.5°	15003.3
20°	14813.0
22.5°	14605.0
25°	14392.8
27.5°	14147.1
30°	13845.0
32.5°	13491.7
35°	13048.4
37.5°	12209.0
40°	11172.0
42.5°	9856.9
45°	8393.3
47.5°	6887.0
50°	5437.0
52.5°	4201.4
55°	3152.9
57.5°	2150.3
60°	1293.1
62.5°	944.0
65°	812.3
67.5°	710.9
70°	647.1
72.5°	611.5
75°	578.1
77.5°	539.4
80°	479.8
82.5°	402.5
85°	299.0
87.5°	157.9
90°	0.0

(END OF REPORT)