

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: P1505088

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (4000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505088
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_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

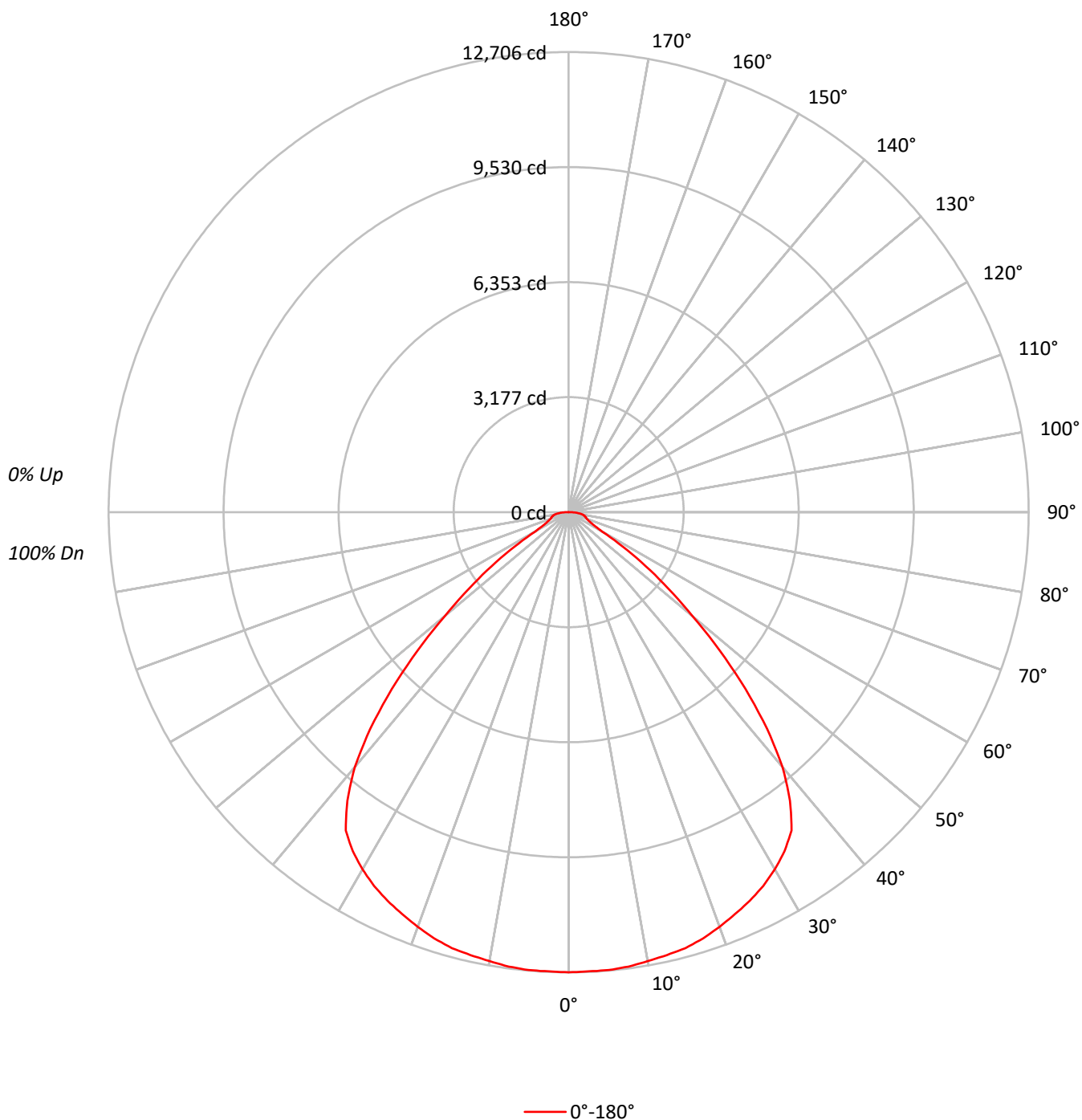
Lumens per Lamp: N/A
Luminaire Lumens: 25842.1 lumens
Efficiency: N/A
Efficacy: 166.0 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1505088

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (4000K_L24_Wide_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1505088

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (4000K_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°	93228
5°	93470
10°	93782
15°	94655
20°	95136
25°	95842
30°	96483
35°	96134
40°	88016
45°	71637
50°	51048
55°	33174
60°	15609
65°	11600
70°	11418
75°	13481
80°	16678
85°	20702

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 71637 cd/sqm

TEST NUMBER: P1505088

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (4000K_L24_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1208.0	4.7
10°-20°	3517.2	13.6
20°-30°	5459.6	21.1
30°-40°	6594.6	25.5
40°-50°	5274.9	20.4
50°-60°	2345.0	9.1
60°-70°	698.5	2.7
70°-80°	498.2	1.9
80°-90°	246.1	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°	10184.8	39.4
0°-40°	16779.4	64.9
0°-60°	24399.3	94.4
0°-90°	25842.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25842.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12706	
5°	12690	###
15°	12460	3517
25°	11838	5460
35°	10732	6595
45°	6904	5275
55°	2593	2345
65°	668	699
75°	476	498
85°	246	246
90°	0	

TEST NUMBER: P1505088

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (4000K_L24_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	12705.5
2.5°	12691.7
5°	12690.0
7.5°	12654.8
10°	12586.8
12.5°	12524.9
15°	12460.4
17.5°	12340.1
20°	12183.6
22.5°	12012.5
25°	11837.9
27.5°	11635.9
30°	11387.4
32.5°	11096.8
35°	10732.2
37.5°	10041.8
40°	9188.8
42.5°	8107.2
45°	6903.5
47.5°	5664.5
50°	4471.9
52.5°	3455.6
55°	2593.2
57.5°	1768.6
60°	1063.6
62.5°	776.4
65°	668.1
67.5°	584.7
70°	532.2
72.5°	503.0
75°	475.5
77.5°	443.7
80°	394.7
82.5°	331.0
85°	245.9
87.5°	129.8
90°	0.0

(END OF REPORT)