

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: P1505266

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (4000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505266
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-110)
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-06-WHGL-PS (4000K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

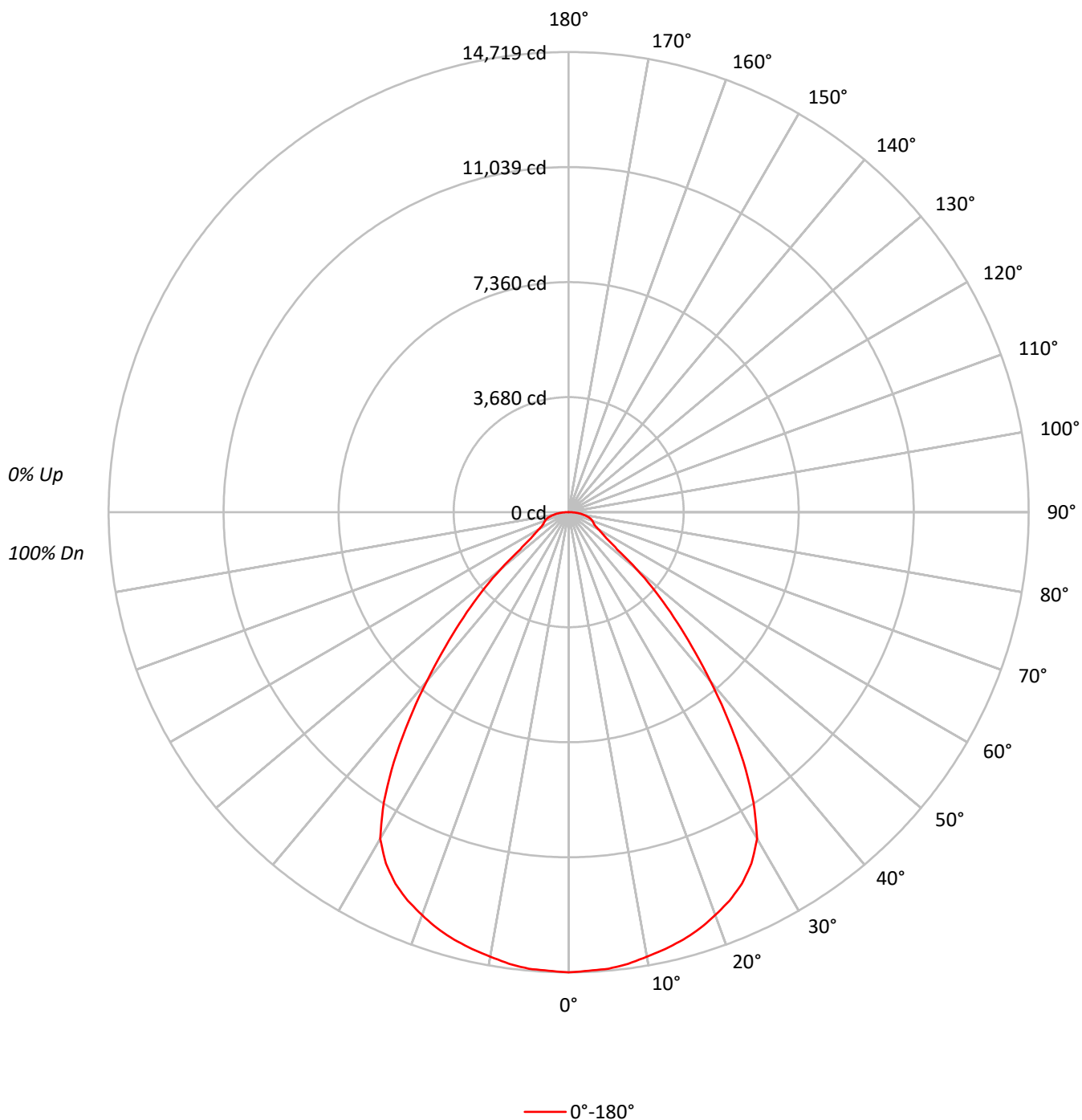
Lumens per Lamp: N/A
Luminaire Lumens: 24499.5 lumens
Efficiency: N/A
Efficacy: 157.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.13
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

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: P1505266

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (4000K_L24_Medium_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1505266

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (4000K_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	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	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63		
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	45	55	49	45	54	49	45	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	98191
5°	98151
10°	97783
15°	97765
20°	97344
25°	96532
30°	92889
35°	79390
40°	61367
45°	44914
50°	29358
55°	17400
60°	14764
65°	14129
70°	15797
75°	17573
80°	19289
85°	20597

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44914 cd/sqm

TEST NUMBER: P1505266

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (4000K_L24_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1391.9	5.7
10°-20°	3993.6	16.3
20°-30°	6008.1	24.5
30°-40°	6016.0	24.6
40°-50°	3696.2	15.1
50°-60°	1489.2	6.1
60°-70°	908.6	3.7
70°-80°	710.3	2.9
80°-90°	285.5	1.2
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°	11393.7	46.5
0°-40°	17409.7	71.1
0°-60°	22595.1	92.2
0°-90°	24499.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24499.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14719	
5°	14657	###
15°	14156	3994
25°	13115	6008
35°	9749	6016
45°	4761	3696
55°	1496	1489
65°	895	909
75°	682	710
85°	269	285
90°	0	

TEST NUMBER: P1505266

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (4000K_L24_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	14719.2
2.5°	14682.2
5°	14657.3
7.5°	14570.4
10°	14435.4
12.5°	14307.3
15°	14156.0
17.5°	13961.7
20°	13712.3
22.5°	13445.8
25°	13114.8
27.5°	12664.2
30°	12058.9
32.5°	11005.6
35°	9748.6
37.5°	8396.1
40°	7047.0
42.5°	5830.4
45°	4760.8
47.5°	3789.2
50°	2828.8
52.5°	1956.1
55°	1496.1
57.5°	1280.3
60°	1106.6
62.5°	965.6
65°	895.1
67.5°	849.5
70°	809.9
72.5°	754.1
75°	681.8
77.5°	598.4
80°	502.1
82.5°	392.9
85°	269.1
87.5°	135.9
90°	0.0

(END OF REPORT)