

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: P1505277

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (5000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505277
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-111)
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 (5000K_L24_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

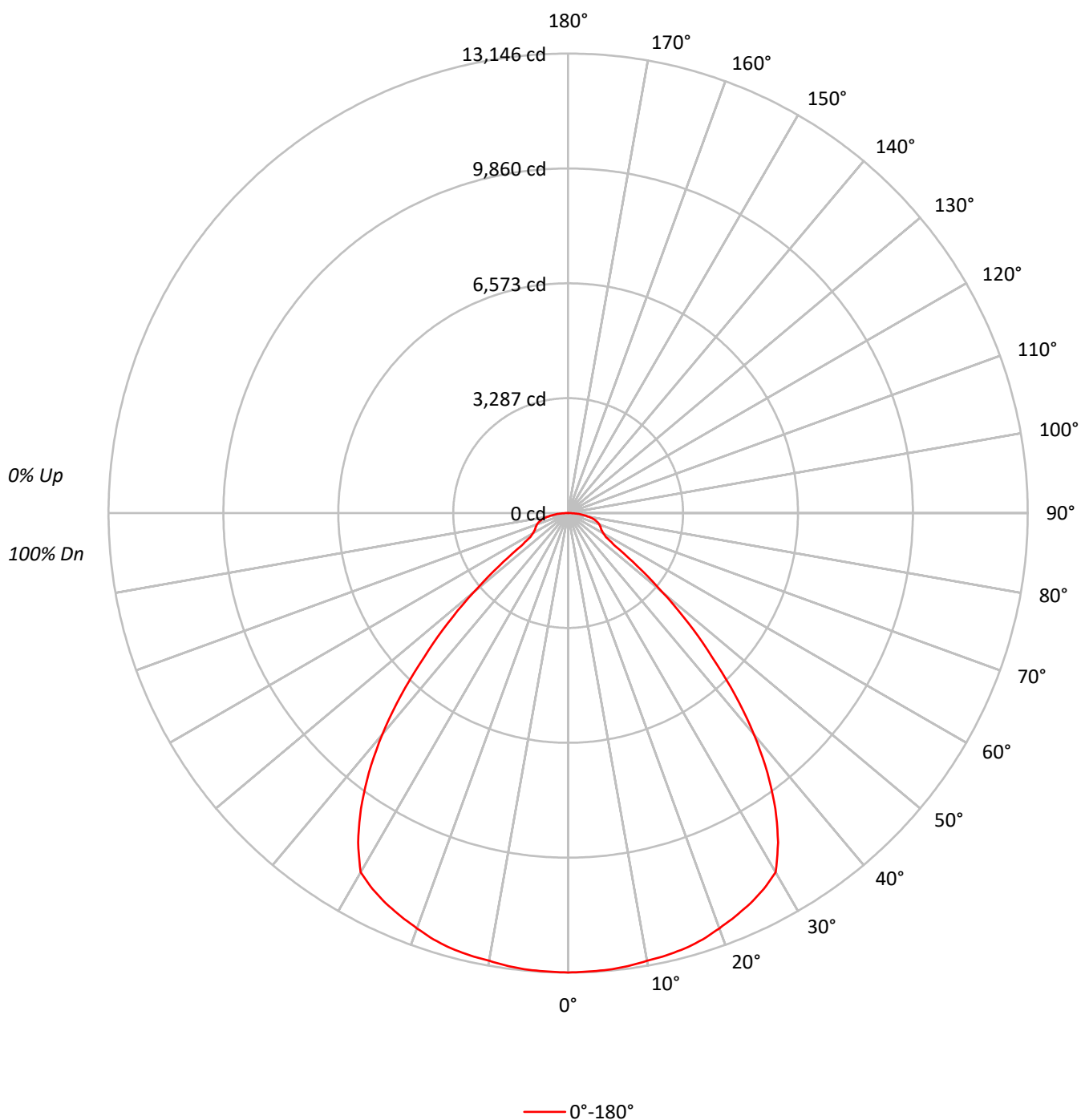
Lumens per Lamp: N/A
Luminaire Lumens: 25367.3 lumens
Efficiency: N/A
Efficacy: 162.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

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: P1505277

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (5000K_L24_Wide_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1505277

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78		
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69		
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62		
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55		
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50		
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	45		
8	68	56	49	43	67	55	48	43	54	48	43	53	47	43	52	47	43	41		
9	64	52	45	40	63	51	44	40	50	44	39	49	43	39	48	43	39	37		
10	60	48	41	36	59	48	41	36	47	41	36	46	40	36	45	40	36	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	87693
5°	87848
10°	88116
15°	89083
20°	89751
25°	90724
30°	91418
35°	84173
40°	72077
45°	54905
50°	36594
55°	18909
60°	15527
65°	16314
70°	18498
75°	20862
80°	22719
85°	22732

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 54905 cd/sqm

TEST NUMBER: P1505277

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (5000K_L24_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1248.6	4.9
10°-20°	3643.0	14.4
20°-30°	5682.4	22.4
30°-40°	6386.9	25.2
40°-50°	4494.5	17.7
50°-60°	1717.2	6.8
60°-70°	1031.9	4.1
70°-80°	839.9	3.3
80°-90°	322.9	1.3
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°	10574.0	41.7
0°-40°	16960.9	66.9
0°-60°	23172.6	91.3
0°-90°	25367.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25367.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13146	
5°	13119	###
15°	12899	3643
25°	12326	5682
35°	10336	6387
45°	5820	4494
55°	1626	1717
65°	1034	1032
75°	809	840
85°	297	323
90°	0	

TEST NUMBER: P1505277

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (5000K_L24_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	13145.5
2.5°	13125.6
5°	13118.6
7.5°	13075.2
10°	13008.3
12.5°	12961.4
15°	12898.9
17.5°	12792.9
20°	12642.7
22.5°	12491.6
25°	12325.7
27.5°	12122.5
30°	11868.0
32.5°	11178.4
35°	10336.0
37.5°	9362.4
40°	8276.8
42.5°	7080.8
45°	5819.8
47.5°	4672.5
50°	3526.1
52.5°	2491.7
55°	1625.8
57.5°	1285.4
60°	1163.8
62.5°	1081.3
65°	1033.5
67.5°	992.7
70°	948.4
72.5°	888.5
75°	809.4
77.5°	713.0
80°	591.4
82.5°	449.0
85°	297.0
87.5°	145.0
90°	0.0

(END OF REPORT)