

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: P1505642

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (5000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505642
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-121)
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-B-06-WHGL-PS (5000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

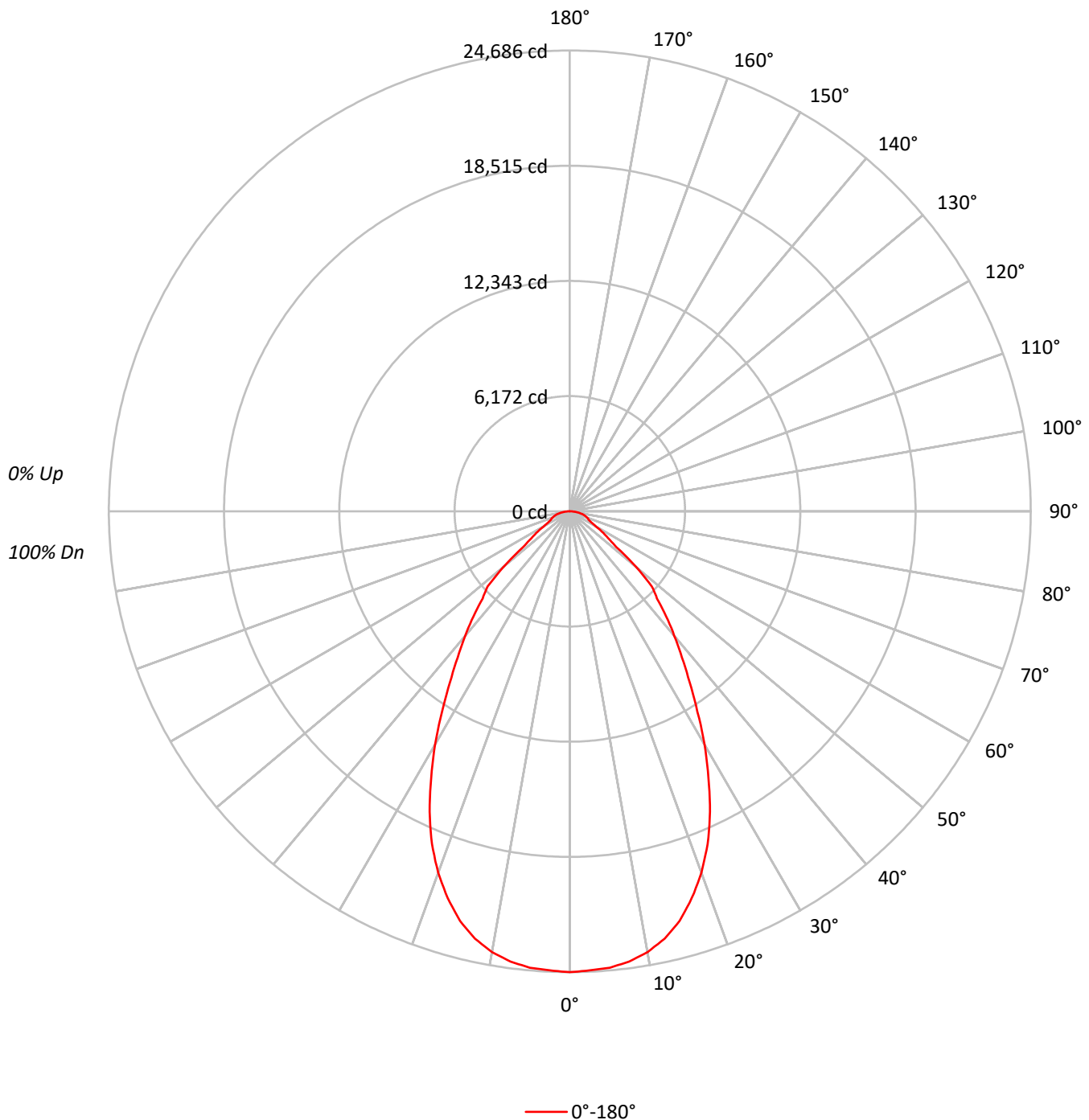
Lumens per Lamp: N/A
Luminaire Lumens: 33687.8 lumens
Efficiency: N/A
Efficacy: 144.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 233.3
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: P1505642

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (5000K_L36_Narrow_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1505642

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (5000K_L36_Narrow_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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72		
4	91	82	75	69	89	80	74	69	78	73	68	76	71	67	74	70	66	65		
5	85	75	68	62	83	74	67	62	72	66	62	70	65	61	69	64	60	59		
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53		
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49		
8	71	59	52	47	69	59	52	47	58	51	47	57	51	47	55	50	47	45		
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42		
10	63	52	45	41	62	51	45	40	50	44	40	50	44	40	49	44	40	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	157275
5°	156939
10°	155098
15°	149813
20°	139670
25°	124865
30°	106078
35°	86942
40°	72402
45°	59520
50°	46155
55°	27808
60°	20655
65°	17279
70°	18509
75°	19560
80°	19570
85°	19182

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 59520 cd/sqm

TEST NUMBER: P1505642

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (5000K_L36_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2324.4	6.9
10°-20°	6341.1	18.8
20°-30°	8090.3	24.0
30°-40°	7049.5	20.9
40°-50°	5166.5	15.3
50°-60°	2406.9	7.1
60°-70°	1194.6	3.5
70°-80°	826.7	2.5
80°-90°	287.8	0.9
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°	16755.8	49.7
0°-40°	23805.3	70.7
0°-60°	31378.7	93.1
0°-90°	33687.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33687.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24686	
5°	24539	###
15°	22713	6341
25°	17762	8090
35°	11178	7050
45°	6606	5166
55°	2504	2407
65°	1146	1195
75°	795	827
85°	262	288
90°	0	

TEST NUMBER: P1505642

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (5000K_L36_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	24685.6
2.5°	24613.6
5°	24539.1
7.5°	24328.0
10°	23974.0
12.5°	23445.5
15°	22713.1
17.5°	21725.6
20°	20600.2
22.5°	19289.3
25°	17762.3
27.5°	16087.6
30°	14419.1
32.5°	12723.6
35°	11178.3
37.5°	9868.6
40°	8705.4
42.5°	7639.8
45°	6605.9
47.5°	5963.9
50°	4656.6
52.5°	3144.3
55°	2503.5
57.5°	2048.2
60°	1621.0
62.5°	1314.6
65°	1146.2
67.5°	1060.7
70°	993.6
72.5°	905.7
75°	794.6
77.5°	668.9
80°	533.4
82.5°	397.9
85°	262.4
87.5°	130.6
90°	0.0

(END OF REPORT)