

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: P1505646

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (6500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505646
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-123)
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 (6500K_L24_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

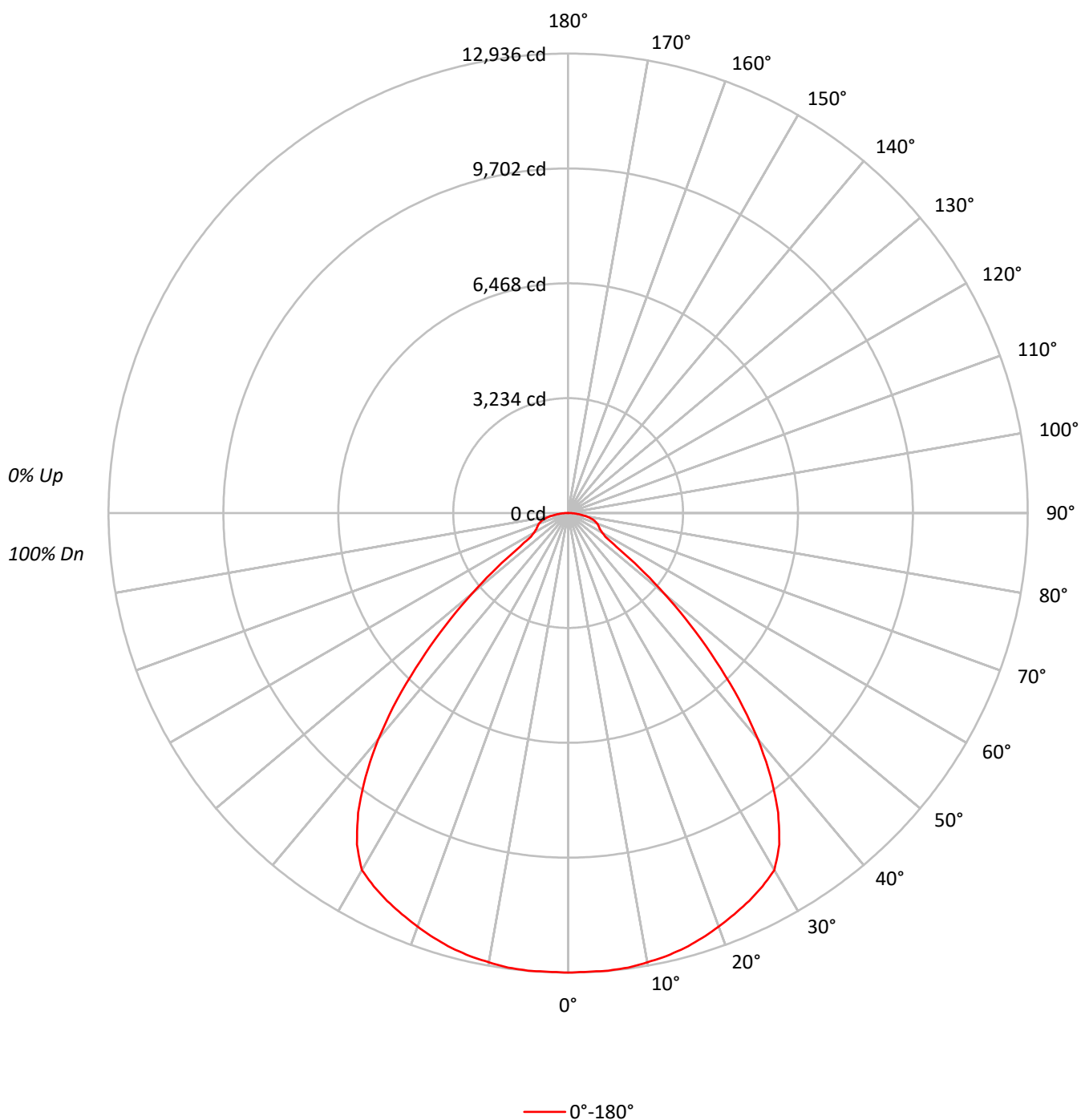
Lumens per Lamp: N/A
Luminaire Lumens: 24939.8 lumens
Efficiency: N/A
Efficacy: 156.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.25
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 159.8
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

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Luminous Intensity Polar Plot





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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	109	105	102	99	101	98	96	97	95	93	94	92	91	89		
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78		
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69		
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	68	62	58	66	61	57	55		
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50		
7	73	61	53	48	71	60	53	48	59	52	48	57	52	47	56	51	47	45		
8	68	56	49	44	67	56	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	44	39	48	43	39	38		
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°	82415
5°	82703
10°	83089
15°	83612
20°	83987
25°	84704
30°	85396
35°	80119
40°	69097
45°	52905
50°	35100
55°	18364
60°	14167
65°	14551
70°	16275
75°	17898
80°	18532
85°	17720

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52905 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1231.6	4.9
10°-20°	3580.0	14.4
20°-30°	5557.4	22.3
30°-40°	6350.3	25.5
40°-50°	4518.1	18.1
50°-60°	1714.6	6.9
60°-70°	966.2	3.9
70°-80°	752.9	3.0
80°-90°	268.7	1.1
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°	10369.0	41.6
0°-40°	16719.3	67.0
0°-60°	22952.0	92.0
0°-90°	24939.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24939.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12936	
5°	12932	###
15°	12676	3580
25°	12049	5557
35°	10301	6350
45°	5872	4518
55°	1653	1715
65°	965	966
75°	727	753
85°	242	269
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	12935.7
2.5°	12923.9
5°	12931.5
7.5°	12906.1
10°	12843.4
12.5°	12773.0
15°	12676.4
17.5°	12545.1
20°	12387.4
22.5°	12224.7
25°	12049.3
27.5°	11845.1
30°	11607.8
32.5°	11062.9
35°	10301.1
37.5°	9372.4
40°	8308.0
42.5°	7125.0
45°	5871.7
47.5°	4677.7
50°	3541.3
52.5°	2516.0
55°	1653.3
57.5°	1244.0
60°	1111.8
62.5°	1020.3
65°	965.2
67.5°	921.1
70°	873.7
72.5°	809.3
75°	727.1
77.5°	626.2
80°	505.1
82.5°	374.6
85°	242.4
87.5°	117.8
90°	0.0

(END OF REPORT)