

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: P1505250

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (3000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505250
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 (3000K_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

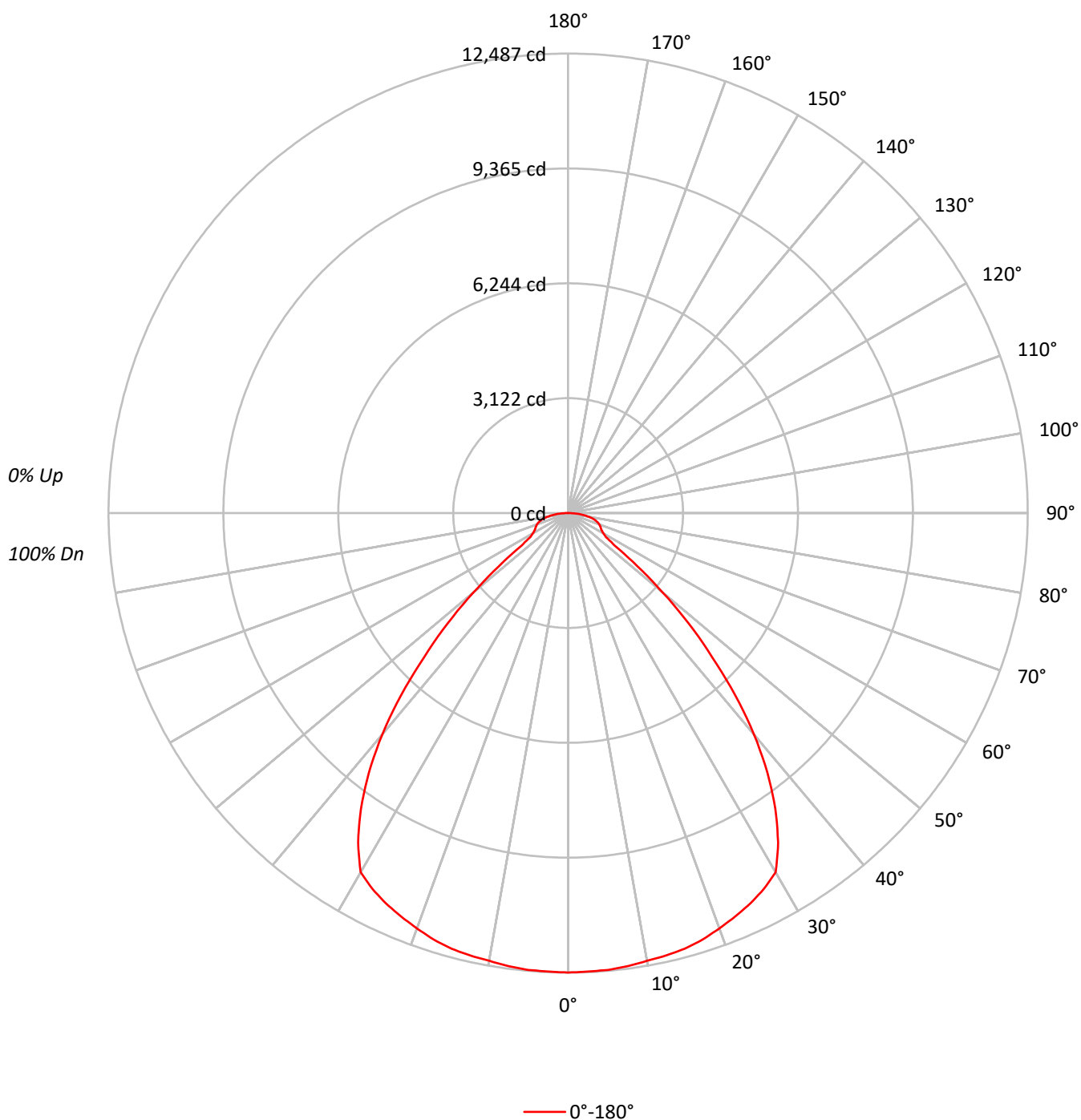
Lumens per Lamp: N/A
Luminaire Lumens: 24097.0 lumens
Efficiency: N/A
Efficacy: 151.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 159.4
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

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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	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°	83302
5°	83449
10°	83704
15°	84622
20°	85257
25°	86180
30°	86840
35°	79958
40°	68467
45°	52155
50°	34762
55°	17962
60°	14749
65°	15497
70°	17572
75°	19818
80°	21582
85°	21600

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52155 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1186.0	4.9
10°-20°	3460.6	14.4
20°-30°	5397.8	22.4
30°-40°	6067.1	25.2
40°-50°	4269.4	17.7
50°-60°	1631.2	6.8
60°-70°	980.3	4.1
70°-80°	797.8	3.3
80°-90°	306.8	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°	10044.4	41.7
0°-40°	16111.5	66.9
0°-60°	22012.1	91.3
0°-90°	24097.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24097.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12487	
5°	12462	###
15°	12253	3461
25°	11708	5398
35°	9818	6067
45°	5528	4269
55°	1544	1631
65°	982	980
75°	769	798
85°	282	307
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12487.3
2.5°	12468.3
5°	12461.7
7.5°	12420.4
10°	12356.9
12.5°	12312.4
15°	12253.0
17.5°	12152.3
20°	12009.6
22.5°	11866.0
25°	11708.4
27.5°	11515.4
30°	11273.7
32.5°	10618.6
35°	9818.4
37.5°	8893.5
40°	7862.3
42.5°	6726.3
45°	5528.3
47.5°	4438.5
50°	3349.5
52.5°	2366.9
55°	1544.4
57.5°	1221.0
60°	1105.5
62.5°	1027.1
65°	981.8
67.5°	943.0
70°	900.9
72.5°	844.0
75°	768.9
77.5°	677.3
80°	561.8
82.5°	426.5
85°	282.2
87.5°	137.8
90°	0.0

(END OF REPORT)