

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: P1505644

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (6500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505644
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-122)
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_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

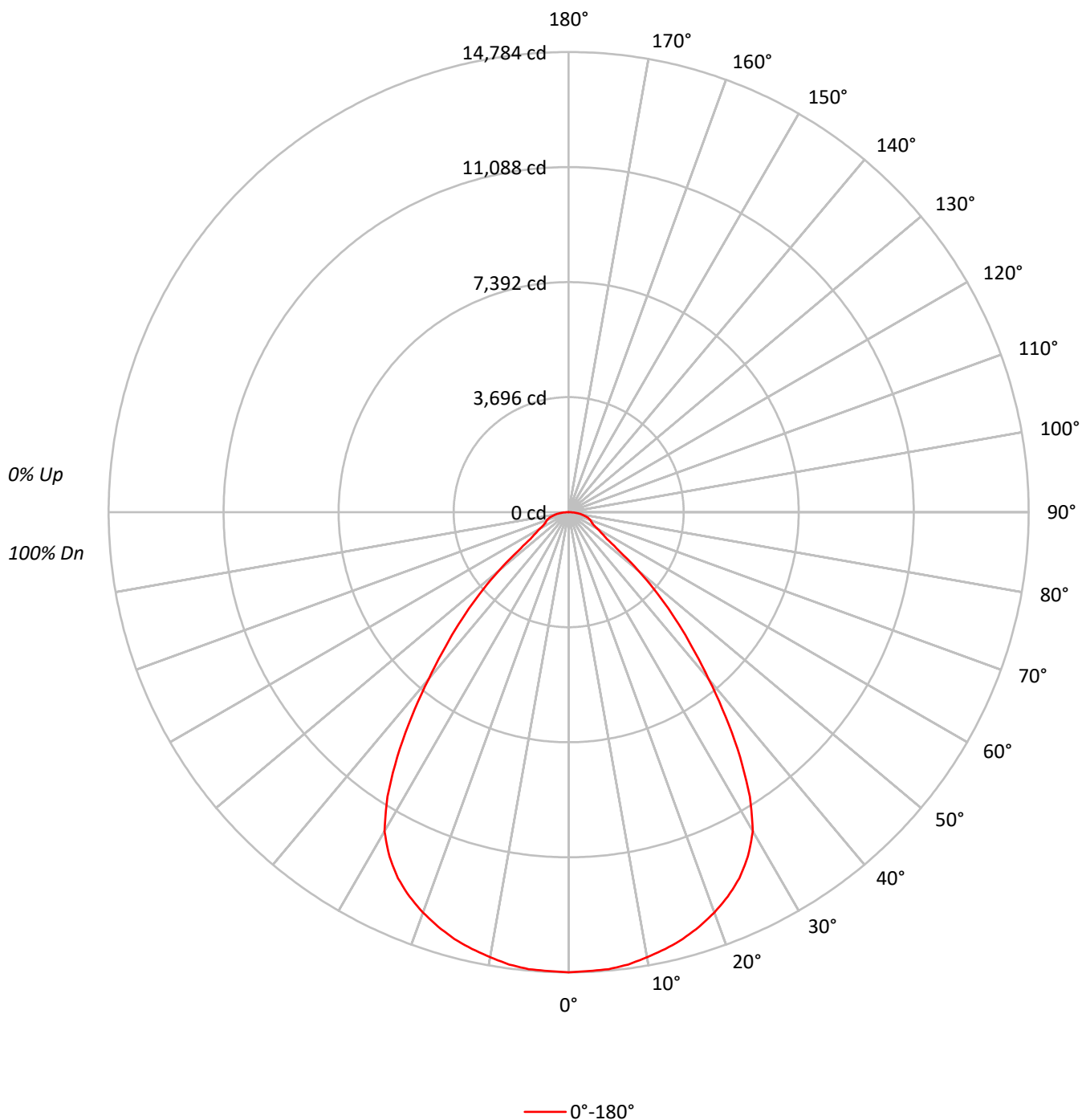
Lumens per Lamp: N/A
Luminaire Lumens: 24244.3 lumens
Efficiency: N/A
Efficacy: 151.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

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	108	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89		
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	77	72	67	75	70	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	56	78	67	60	55	66	60	55	64	59	54	63	58	54	52		
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48		
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	94190
5°	94263
10°	93911
15°	93617
20°	92806
25°	91227
30°	87073
35°	74701
40°	58187
45°	43606
50°	29238
55°	16529
60°	13713
65°	12571
70°	13796
75°	14915
80°	15637
85°	15731

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 43606 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1399.7	5.8
10°-20°	4001.0	16.5
20°-30°	5943.4	24.5
30°-40°	5930.3	24.5
40°-50°	3741.5	15.4
50°-60°	1510.3	6.2
60°-70°	853.5	3.5
70°-80°	631.1	2.6
80°-90°	233.4	1.0
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°	11344.1	46.8
0°-40°	17274.4	71.3
0°-60°	22526.3	92.9
0°-90°	24244.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24244.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14784	
5°	14739	###
15°	14193	4001
25°	12977	5943
35°	9604	5930
45°	4840	3742
55°	1488	1510
65°	834	853
75°	606	631
85°	215	233
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	14783.9
2.5°	14755.1
5°	14739.0
7.5°	14657.7
10°	14516.1
12.5°	14371.2
15°	14193.3
17.5°	13960.2
20°	13688.2
22.5°	13365.4
25°	12977.2
27.5°	12470.5
30°	11835.8
32.5°	10835.0
35°	9604.5
37.5°	8290.2
40°	6996.2
42.5°	5848.8
45°	4839.6
47.5°	3882.0
50°	2949.8
52.5°	2038.0
55°	1488.1
57.5°	1261.8
60°	1076.2
62.5°	920.3
65°	833.9
67.5°	784.7
70°	740.6
72.5°	681.3
75°	605.9
77.5°	520.3
80°	426.2
82.5°	323.7
85°	215.2
87.5°	105.9
90°	0.0

(END OF REPORT)