

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: P1505626

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (4000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505626
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 (4000K_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

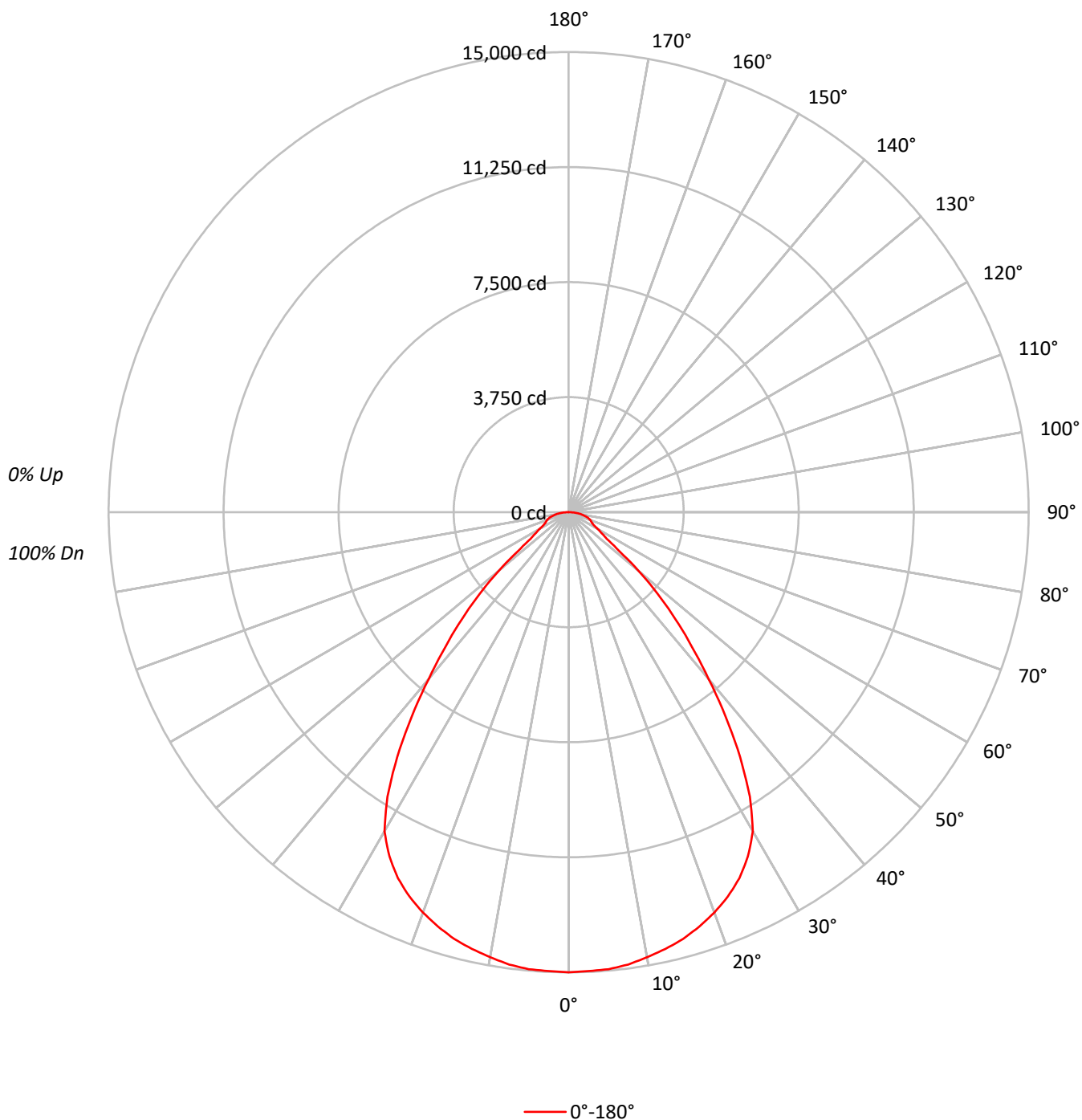
Lumens per Lamp: N/A
Luminaire Lumens: 24599.3 lumens
Efficiency: N/A
Efficacy: 158.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 155.7
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°	95569
5°	95643
10°	95286
15°	94987
20°	94165
25°	92562
30°	88347
35°	75795
40°	59039
45°	44243
50°	29666
55°	16770
60°	13915
65°	12755
70°	13999
75°	15134
80°	15868
85°	15965

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44243 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1420.2	5.8
10°-20°	4059.6	16.5
20°-30°	6030.3	24.5
30°-40°	6017.2	24.5
40°-50°	3796.3	15.4
50°-60°	1532.4	6.2
60°-70°	866.0	3.5
70°-80°	640.4	2.6
80°-90°	236.9	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°	11510.1	46.8
0°-40°	17527.3	71.3
0°-60°	22856.0	92.9
0°-90°	24599.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24599.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15000	
5°	14955	###
15°	14401	4060
25°	13167	6030
35°	9745	6017
45°	4910	3796
55°	1510	1532
65°	846	866
75°	615	640
85°	218	237
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	15000.3
2.5°	14971.1
5°	14954.8
7.5°	14872.2
10°	14728.6
12.5°	14581.6
15°	14401.0
17.5°	14164.6
20°	13888.6
22.5°	13561.0
25°	13167.2
27.5°	12653.0
30°	12009.0
32.5°	10993.6
35°	9745.1
37.5°	8411.6
40°	7098.6
42.5°	5934.4
45°	4910.4
47.5°	3938.8
50°	2993.0
52.5°	2067.9
55°	1509.8
57.5°	1280.3
60°	1092.0
62.5°	933.8
65°	846.1
67.5°	796.2
70°	751.5
72.5°	691.3
75°	614.8
77.5°	527.9
80°	432.5
82.5°	328.4
85°	218.4
87.5°	107.5
90°	0.0

(END OF REPORT)