

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: P1505627

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (4000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505627
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 (4000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

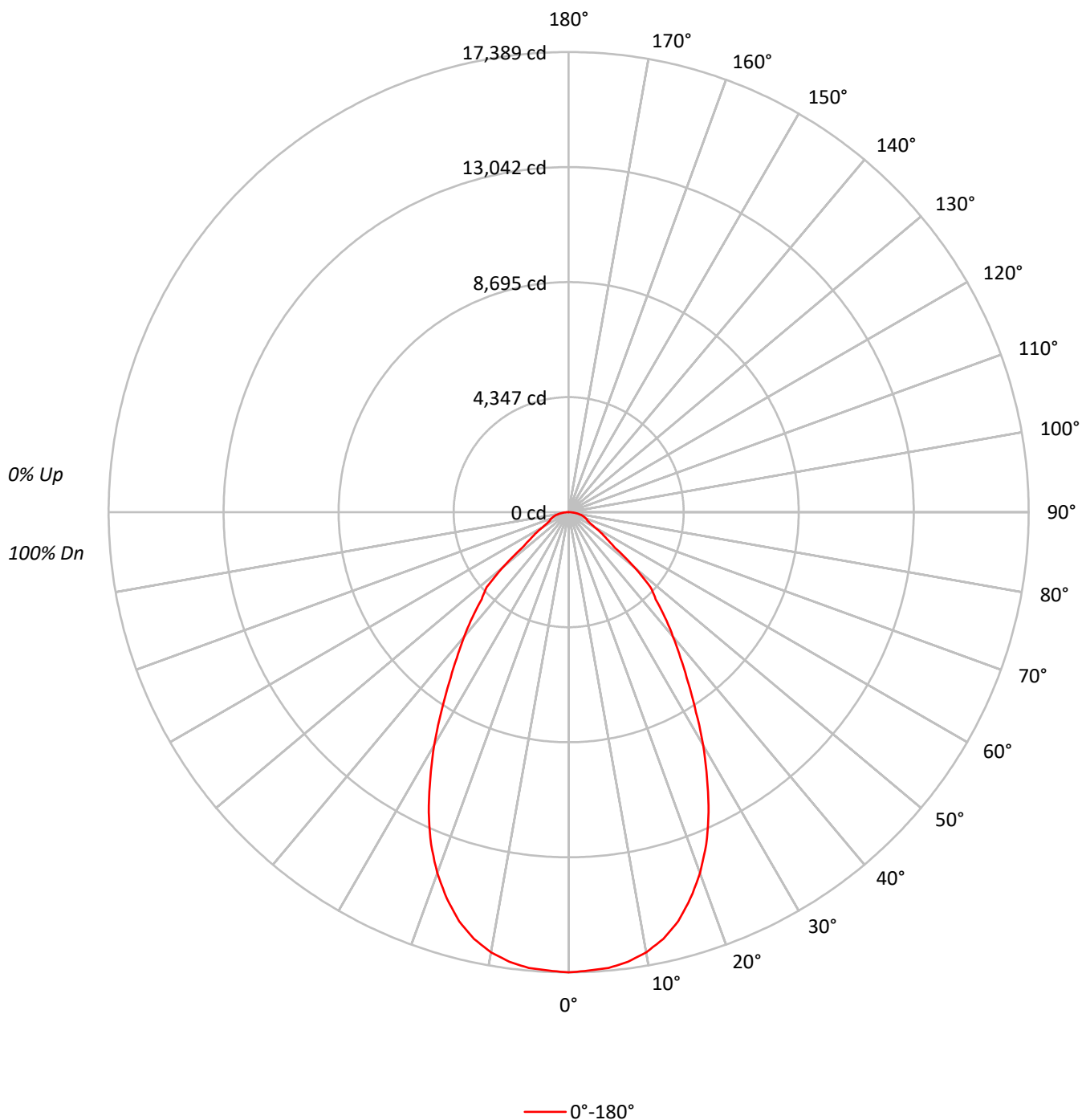
Lumens per Lamp: N/A
Luminaire Lumens: 23730.2 lumens
Efficiency: N/A
Efficacy: 152.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	110787
5°	110550
10°	109253
15°	105530
20°	98386
25°	87957
30°	74723
35°	61243
40°	51001
45°	41927
50°	32512
55°	19589
60°	14549
65°	12172
70°	13038
75°	13778
80°	13784
85°	13516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 41927 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1637.3	6.9
10°-20°	4466.8	18.8
20°-30°	5699.0	24.0
30°-40°	4965.8	20.9
40°-50°	3639.4	15.3
50°-60°	1695.4	7.1
60°-70°	841.5	3.5
70°-80°	582.4	2.5
80°-90°	202.7	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°	11803.1	49.7
0°-40°	16768.8	70.7
0°-60°	22103.6	93.1
0°-90°	23730.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23730.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17389	
5°	17286	###
15°	15999	4467
25°	12512	5699
35°	7874	4966
45°	4653	3639
55°	1764	1695
65°	807	841
75°	560	582
85°	185	203
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	17388.9
2.5°	17338.2
5°	17285.7
7.5°	17137.0
10°	16887.6
12.5°	16515.3
15°	15999.4
17.5°	15303.9
20°	14511.1
22.5°	13587.7
25°	12512.0
27.5°	11332.4
30°	10157.0
32.5°	8962.7
35°	7874.2
37.5°	6951.6
40°	6132.2
42.5°	5381.6
45°	4653.3
47.5°	4201.1
50°	3280.2
52.5°	2214.9
55°	1763.5
57.5°	1442.8
60°	1141.8
62.5°	926.0
65°	807.4
67.5°	747.2
70°	699.9
72.5°	638.0
75°	559.7
77.5°	471.2
80°	375.7
82.5°	280.3
85°	184.9
87.5°	92.0
90°	0.0

(END OF REPORT)