

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: P1505645

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (6500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505645
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 (6500K_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

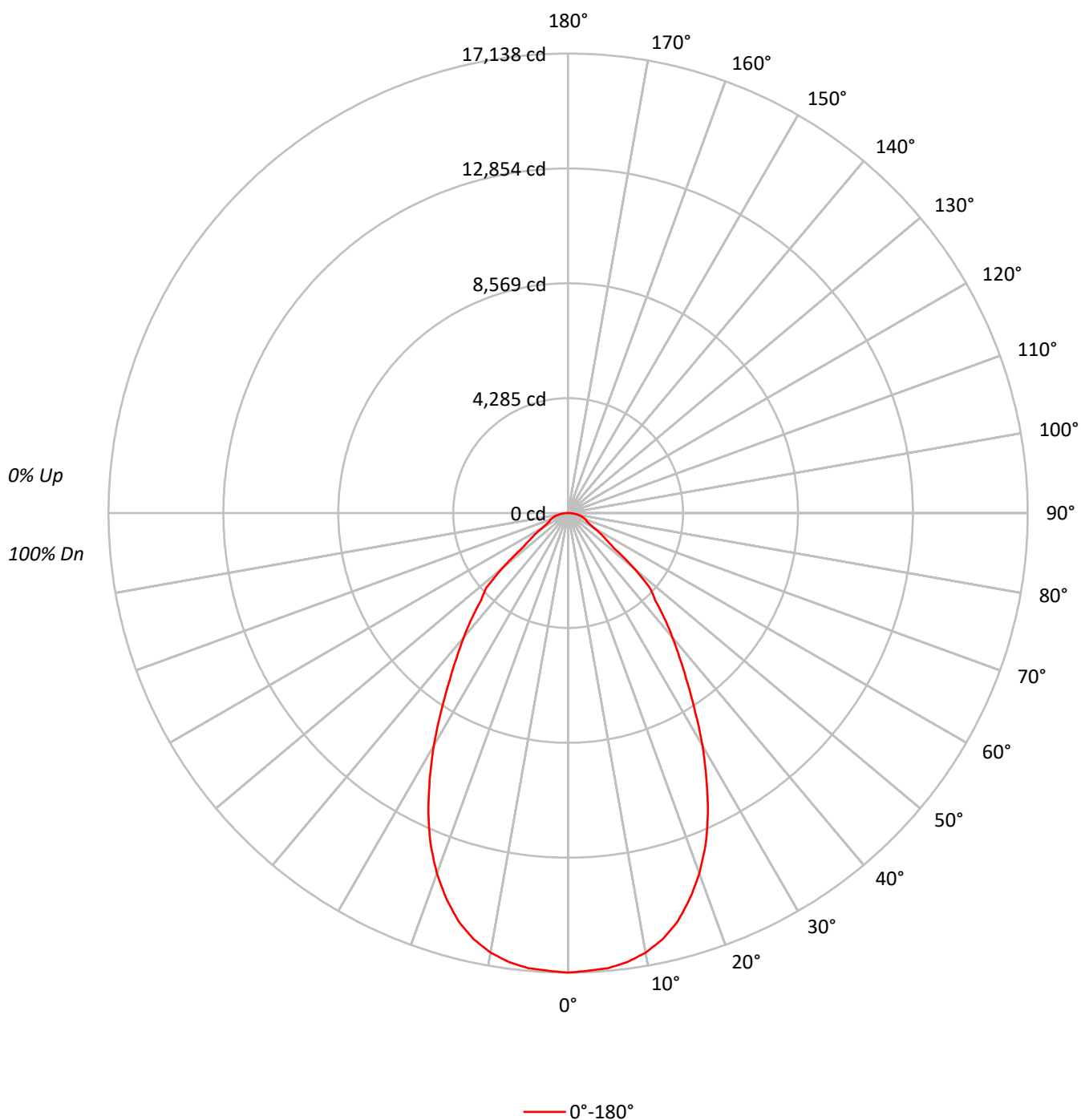
Lumens per Lamp: N/A
Luminaire Lumens: 23387.9 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	109189
5°	108955
10°	107677
15°	104008
20°	96966
25°	86688
30°	73645
35°	60360
40°	50265
45°	41322
50°	32044
55°	19305
60°	14340
65°	11996
70°	12850
75°	13581
80°	13586
85°	13319

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 41322 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1613.7	6.9
10°-20°	4402.3	18.8
20°-30°	5616.7	24.0
30°-40°	4894.2	20.9
40°-50°	3586.8	15.3
50°-60°	1671.0	7.1
60°-70°	829.3	3.5
70°-80°	574.0	2.5
80°-90°	199.8	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°	11632.8	49.7
0°-40°	16526.9	70.7
0°-60°	21784.7	93.1
0°-90°	23387.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23387.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17138	
5°	17036	###
15°	15769	4402
25°	12332	5617
35°	7761	4894
45°	4586	3587
55°	1738	1671
65°	796	829
75°	552	574
85°	182	200
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17138.0
2.5°	17088.0
5°	17036.3
7.5°	16889.7
10°	16644.0
12.5°	16277.1
15°	15768.6
17.5°	15083.1
20°	14301.7
22.5°	13391.6
25°	12331.5
27.5°	11168.9
30°	10010.5
32.5°	8833.4
35°	7760.6
37.5°	6851.3
40°	6043.7
42.5°	5303.9
45°	4586.2
47.5°	4140.4
50°	3232.9
52.5°	2182.9
55°	1738.0
57.5°	1422.0
60°	1125.4
62.5°	912.7
65°	795.7
67.5°	736.4
70°	689.8
72.5°	628.8
75°	551.7
77.5°	464.4
80°	370.3
82.5°	276.3
85°	182.2
87.5°	90.7
90°	0.0

(END OF REPORT)