

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: P1505252

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (3000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505252
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-109)
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_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

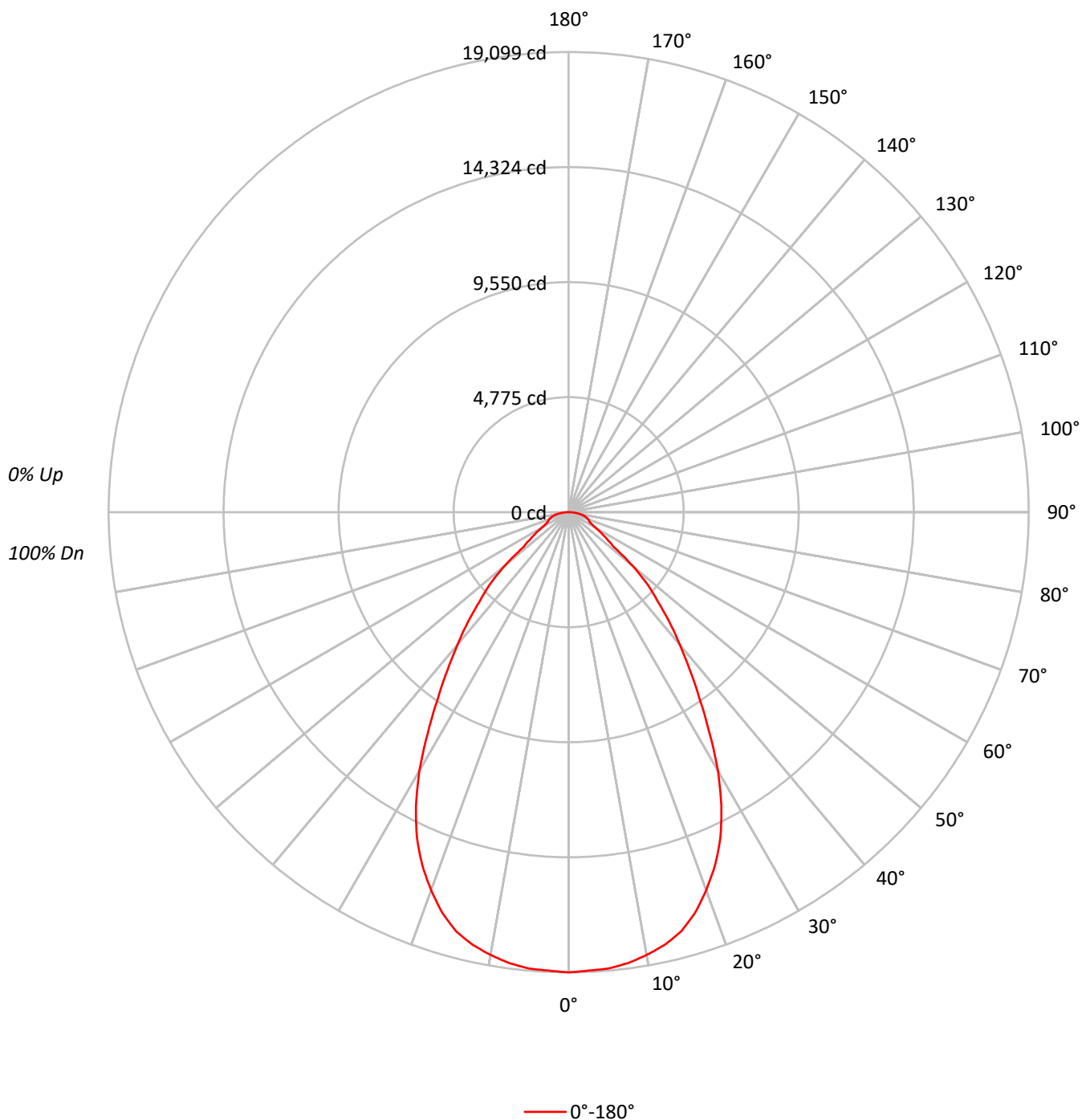
Lumens per Lamp: N/A
Luminaire Lumens: 27503.4 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.03
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 199.4
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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64		
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53		
7	75	64	57	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	67	55	48	44	65	55	48	43	54	48	43	53	47	43	52	47	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	127411
5°	127293
10°	126417
15°	124458
20°	118488
25°	109712
30°	95496
35°	77350
40°	62436
45°	49356
50°	36066
55°	22496
60°	17155
65°	15218
70°	16713
75°	18272
80°	19300
85°	20138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49356 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1803.3	6.6
10°-20°	5041.5	18.3
20°-30°	6775.6	24.6
30°-40°	5971.5	21.7
40°-50°	4065.0	14.8
50°-60°	1833.4	6.7
60°-70°	993.4	3.6
70°-80°	738.0	2.7
80°-90°	281.8	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°	13620.4	49.5
0°-40°	19591.8	71.2
0°-60°	25490.3	92.7
0°-90°	27503.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27503.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19099	
5°	19009	###
15°	18021	5041
25°	14905	6776
35°	9498	5971
45°	5232	4065
55°	1934	1833
65°	964	993
75°	709	738
85°	263	282
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19099.4
2.5°	19045.8
5°	19009.1
7.5°	18877.0
10°	18662.6
12.5°	18397.4
15°	18021.1
17.5°	17441.3
20°	16690.7
22.5°	15876.5
25°	14905.4
27.5°	13729.8
30°	12397.4
32.5°	10890.1
35°	9498.1
37.5°	8259.9
40°	7169.7
42.5°	6192.7
45°	5231.6
47.5°	4446.2
50°	3475.2
52.5°	2337.3
55°	1934.2
57.5°	1595.6
60°	1285.8
62.5°	1074.3
65°	964.1
67.5°	903.5
70°	856.9
72.5°	793.3
75°	708.9
77.5°	613.6
80°	502.4
82.5°	386.2
85°	263.1
87.5°	135.0
90°	0.0

(END OF REPORT)