

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: P1505450

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (4000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505450
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-97)
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-04-WHGL-PS (4000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

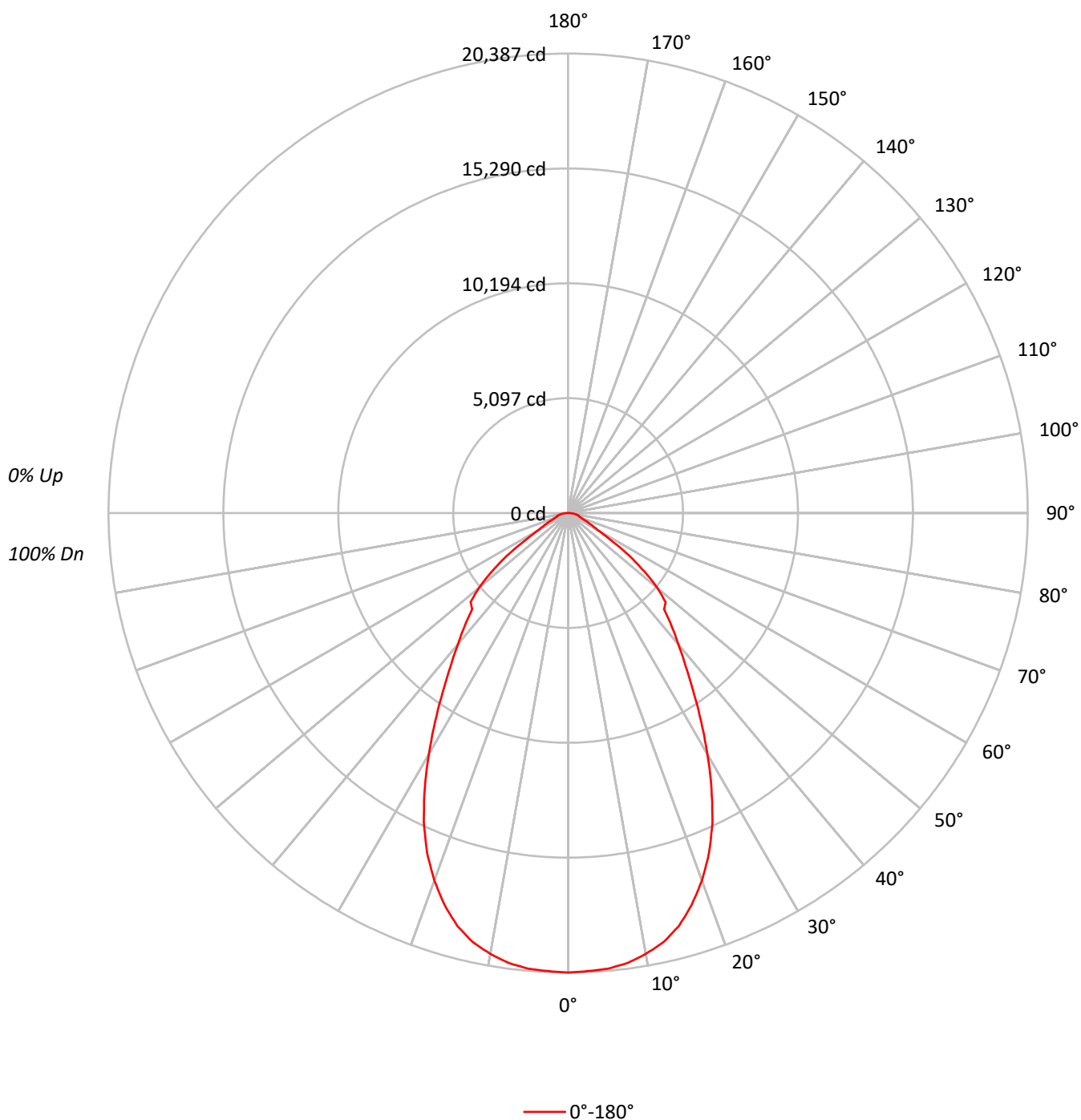
Lumens per Lamp: N/A
Luminaire Lumens: 29666.1 lumens
Efficiency: N/A
Efficacy: 152.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 194.3
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	92	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	97	89	83	77	95	87	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	67	75	71	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	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	146009
5°	145890
10°	144438
15°	140642
20°	132178
25°	119625
30°	102116
35°	84698
40°	71151
45°	60935
50°	57597
55°	41496
60°	21652
65°	16228
70°	12522
75°	13451
80°	15219
85°	15892

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 62203 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1923.3	6.5
10°-20°	5300.0	17.9
20°-30°	6883.7	23.2
30°-40°	6098.2	20.6
40°-50°	4827.9	16.3
50°-60°	2935.5	9.9
60°-70°	978.3	3.3
70°-80°	512.2	1.7
80°-90°	207.0	0.7
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°	14107.0	47.6
0°-40°	20205.3	68.1
0°-60°	27968.7	94.3
0°-90°	29666.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29666.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20387	
5°	20293	###
15°	18968	5300
25°	15138	6884
35°	9688	6098
45°	6016	4828
55°	3323	2936
65°	958	978
75°	486	512
85°	193	207
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	20387.0
2.5°	20343.1
5°	20292.9
7.5°	20136.1
10°	19861.2
12.5°	19506.8
15°	18968.4
17.5°	18227.2
20°	17342.8
22.5°	16328.8
25°	15138.1
27.5°	13765.5
30°	12348.0
32.5°	10978.6
35°	9687.5
37.5°	8557.5
40°	7610.4
42.5°	6782.4
45°	6016.2
47.5°	5867.7
50°	5169.4
52.5°	4265.1
55°	3323.3
57.5°	2303.0
60°	1511.6
62.5°	1215.8
65°	957.6
67.5°	738.0
70°	598.0
72.5°	532.1
75°	486.1
77.5°	438.0
80°	369.0
82.5°	286.4
85°	193.4
87.5°	96.2
90°	0.0

(END OF REPORT)