

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: P1505459

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (5000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505459
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 (5000K_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

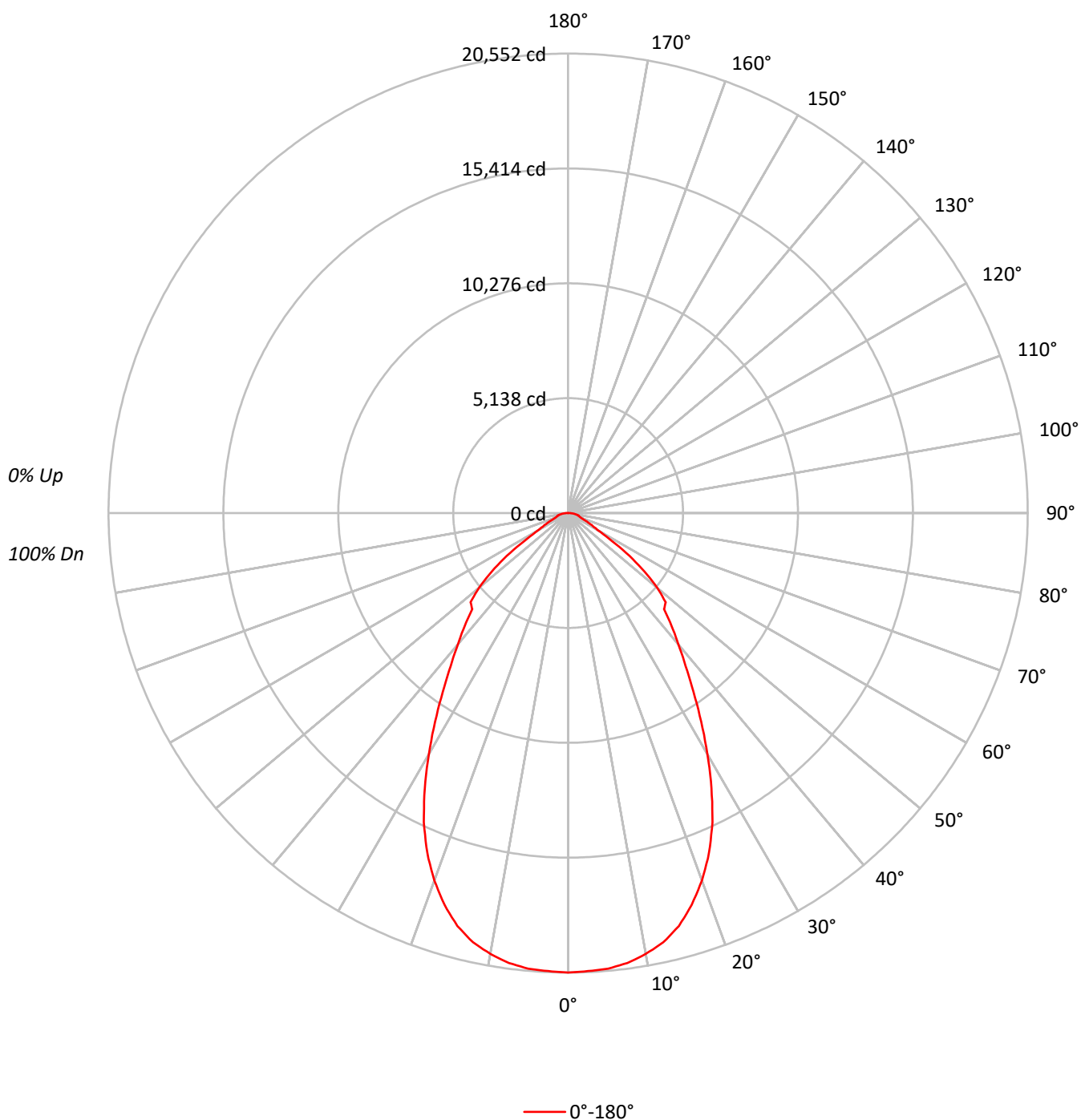
Lumens per Lamp: N/A
Luminaire Lumens: 29906.0 lumens
Efficiency: N/A
Efficacy: 153.0 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 195.5
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°	147189
5°	147070
10°	145605
15°	141779
20°	133248
25°	120592
30°	102941
35°	85383
40°	71726
45°	61427
50°	58063
55°	41831
60°	21827
65°	16358
70°	12623
75°	13559
80°	15343
85°	16024

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 62707 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1938.9	6.5
10°-20°	5342.9	17.9
20°-30°	6939.3	23.2
30°-40°	6147.5	20.6
40°-50°	4866.9	16.3
50°-60°	2959.2	9.9
60°-70°	986.2	3.3
70°-80°	516.3	1.7
80°-90°	208.6	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°	14221.1	47.6
0°-40°	20368.6	68.1
0°-60°	28194.8	94.3
0°-90°	29906.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29906.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20552	
5°	20457	###
15°	19122	5343
25°	15260	6939
35°	9766	6148
45°	6065	4867
55°	3350	2959
65°	965	986
75°	490	516
85°	195	209
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	20551.8
2.5°	20507.5
5°	20457.0
7.5°	20298.9
10°	20021.7
12.5°	19664.5
15°	19121.8
17.5°	18374.6
20°	17483.1
22.5°	16460.8
25°	15260.5
27.5°	13876.8
30°	12447.8
32.5°	11067.3
35°	9765.8
37.5°	8626.7
40°	7671.9
42.5°	6837.3
45°	6064.8
47.5°	5915.2
50°	5211.2
52.5°	4299.6
55°	3350.1
57.5°	2321.6
60°	1523.8
62.5°	1225.6
65°	965.3
67.5°	744.0
70°	602.8
72.5°	536.4
75°	490.0
77.5°	441.6
80°	372.0
82.5°	288.7
85°	195.0
87.5°	97.0
90°	0.0

(END OF REPORT)