

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: P1505638

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (5000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505638
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-122)
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 (5000K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

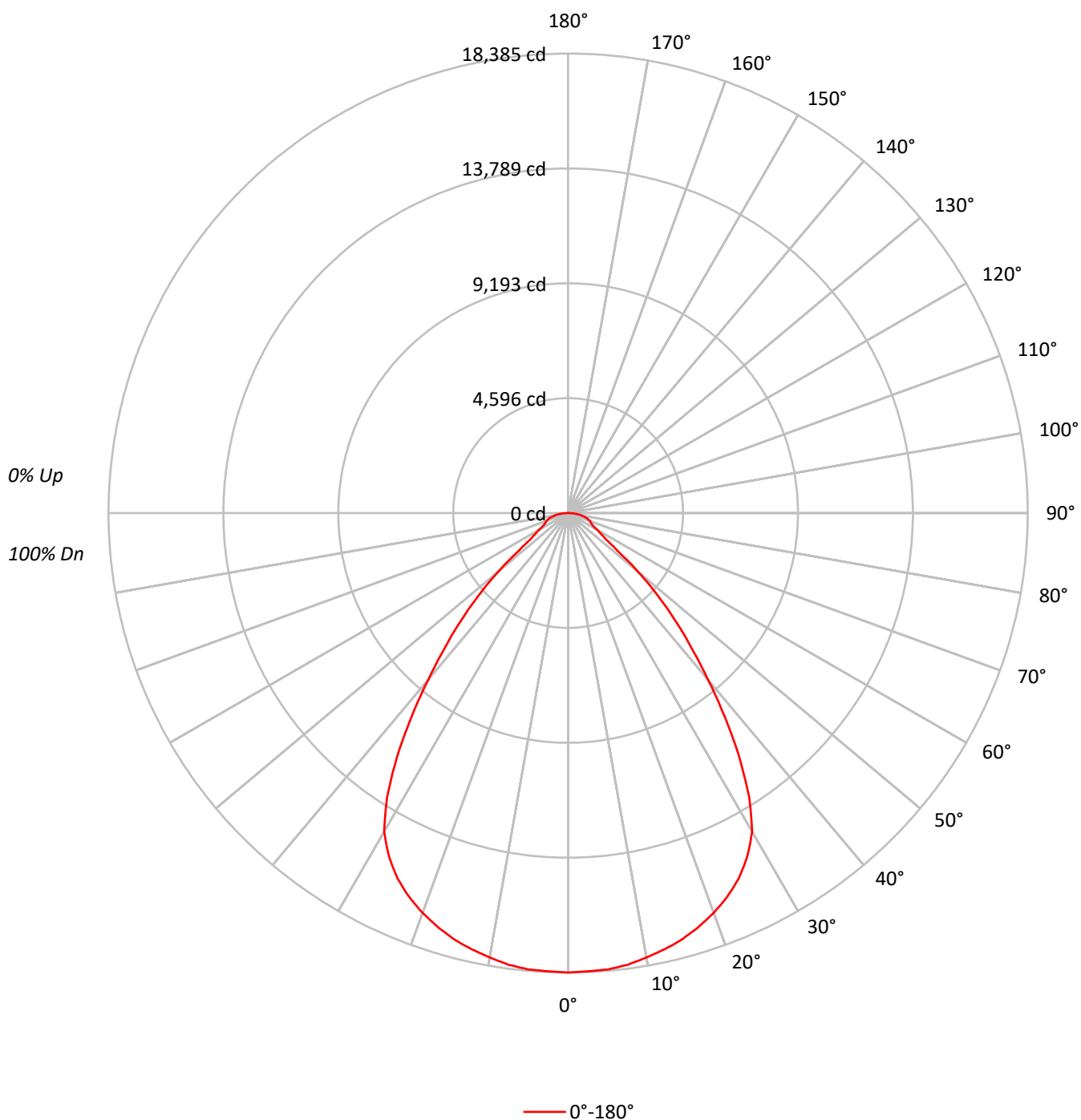
Lumens per Lamp: N/A
Luminaire Lumens: 30150.1 lumens
Efficiency: N/A
Efficacy: 154.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

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	111	108	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89		
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	77	72	67	75	70	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	68	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	117134
5°	117225
10°	116787
15°	116421
20°	115413
25°	113449
30°	108283
35°	92898
40°	72361
45°	54227
50°	36360
55°	20555
60°	17054
65°	15633
70°	17156
75°	18548
80°	19449
85°	19569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 54227 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1740.6	5.8
10°-20°	4975.7	16.5
20°-30°	7391.1	24.5
30°-40°	7374.9	24.5
40°-50°	4652.9	15.4
50°-60°	1878.2	6.2
60°-70°	1061.4	3.5
70°-80°	784.9	2.6
80°-90°	290.4	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°	14107.4	46.8
0°-40°	21482.3	71.3
0°-60°	28013.4	92.9
0°-90°	30150.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30150.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18385	
5°	18329	###
15°	17651	4976
25°	16138	7391
35°	11944	7375
45°	6018	4653
55°	1850	1878
65°	1037	1061
75°	754	785
85°	268	290
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18385.1
2.5°	18349.3
5°	18329.3
7.5°	18228.1
10°	18052.1
12.5°	17871.9
15°	17650.6
17.5°	17360.8
20°	17022.5
22.5°	16621.0
25°	16138.4
27.5°	15508.2
30°	14718.9
32.5°	13474.3
35°	11944.1
37.5°	10309.6
40°	8700.4
42.5°	7273.5
45°	6018.4
47.5°	4827.6
50°	3668.4
52.5°	2534.5
55°	1850.5
57.5°	1569.2
60°	1338.4
62.5°	1144.5
65°	1037.0
67.5°	975.8
70°	921.0
72.5°	847.3
75°	753.5
77.5°	647.1
80°	530.1
82.5°	402.6
85°	267.7
87.5°	131.7
90°	0.0

(END OF REPORT)