

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: P1505262

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (3500K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505262
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-111)
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 (3500K_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

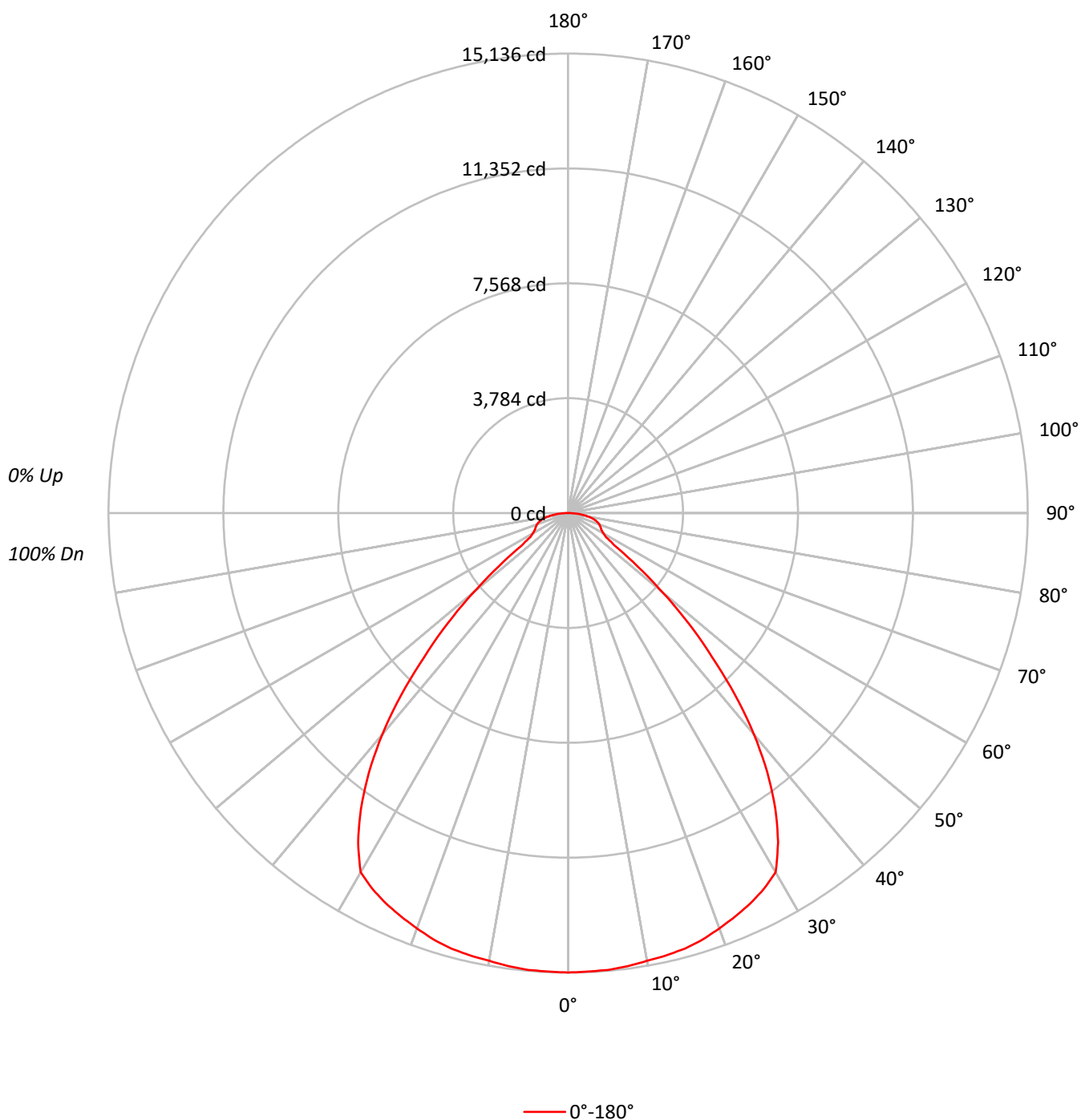
Lumens per Lamp: N/A
Luminaire Lumens: 29208.4 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 196.3
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				0
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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78			
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69			
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62			
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55			
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50			
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	45			
8	68	56	49	43	67	55	48	43	54	48	43	53	47	43	52	47	43	41			
9	64	52	45	40	63	51	44	40	50	44	39	49	43	39	48	43	39	37			
10	60	48	41	36	59	48	41	36	47	41	36	46	40	36	45	40	36	34			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	100971
5°	101149
10°	101459
15°	102572
20°	103341
25°	104461
30°	105260
35°	96918
40°	82990
45°	63218
50°	42135
55°	21772
60°	17878
65°	18784
70°	21299
75°	24022
80°	26162
85°	26177

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63218 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1437.6	4.9
10°-20°	4194.6	14.4
20°-30°	6542.8	22.4
30°-40°	7354.0	25.2
40°-50°	5175.0	17.7
50°-60°	1977.2	6.8
60°-70°	1188.2	4.1
70°-80°	967.1	3.3
80°-90°	371.8	1.3
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°	12175.0	41.7
0°-40°	19529.1	66.9
0°-60°	26681.2	91.3
0°-90°	29208.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29208.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15136	
5°	15105	###
15°	14852	4195
25°	14192	6543
35°	11901	7354
45°	6701	5175
55°	1872	1977
65°	1190	1188
75°	932	967
85°	342	372
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15136
2.5°	15113
5°	15105
7.5°	15055
10°	14978
12.5°	14924
15°	14852
17.5°	14730
20°	14557
22.5°	14383
25°	14192
27.5°	13958
30°	13665
32.5°	12871
35°	11901
37.5°	10780
40°	9530
42.5°	8153
45°	6701
47.5°	5380
50°	4060
52.5°	2869
55°	1872
57.5°	1480
60°	1340
62.5°	1245
65°	1190
67.5°	1143
70°	1092
72.5°	1023
75°	932
77.5°	821
80°	681
82.5°	517
85°	342
87.5°	167
90°	0

(END OF REPORT)