

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: P1505622

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505622
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-123)
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 (3500K_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

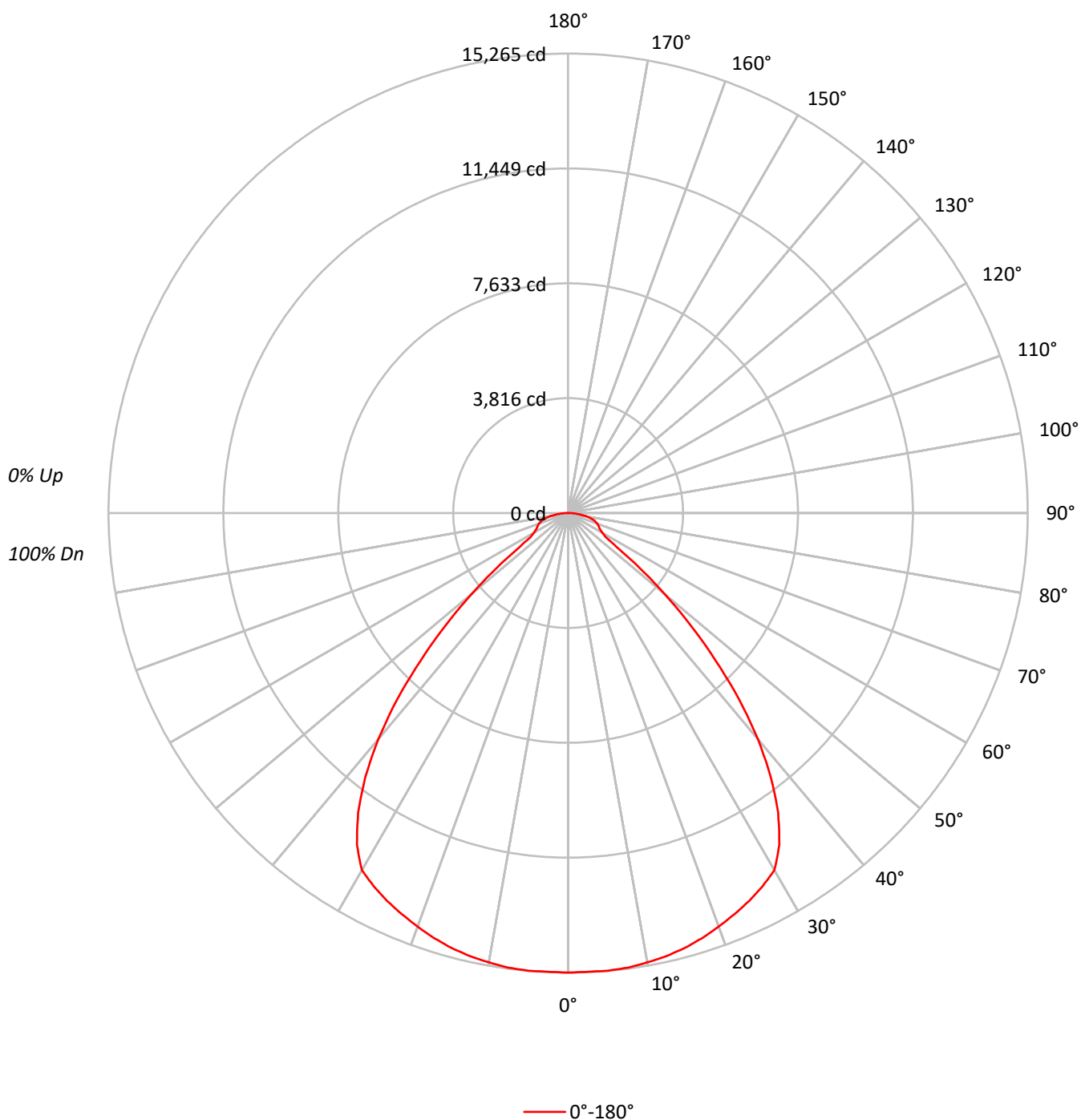
Lumens per Lamp: N/A
Luminaire Lumens: 29430.6 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.25
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 195.9
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	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89		
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78		
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	64	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55		
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50		
7	73	61	53	48	71	60	53	48	59	52	48	57	52	47	56	51	47	45		
8	68	56	49	44	67	56	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	44	39	48	43	39	38		
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°	97255
5°	97595
10°	98051
15°	98668
20°	99110
25°	99956
30°	100773
35°	94546
40°	81539
45°	62431
50°	41421
55°	21671
60°	16718
65°	17171
70°	19205
75°	21121
80°	21867
85°	20907

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 62431 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1453.3	4.9
10°-20°	4224.6	14.4
20°-30°	6558.2	22.3
30°-40°	7493.8	25.5
40°-50°	5331.7	18.1
50°-60°	2023.4	6.9
60°-70°	1140.2	3.9
70°-80°	888.4	3.0
80°-90°	317.0	1.1
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°	12236.1	41.6
0°-40°	19729.9	67.0
0°-60°	27084.9	92.0
0°-90°	29430.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29430.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15265	
5°	15260	###
15°	14959	4225
25°	14219	6558
35°	12156	7494
45°	6929	5332
55°	1951	2023
65°	1139	1140
75°	858	888
85°	286	317
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	15265
2.5°	15251
5°	15260
7.5°	15230
10°	15156
12.5°	15073
15°	14959
17.5°	14804
20°	14618
22.5°	14426
25°	14219
27.5°	13978
30°	13698
32.5°	13055
35°	12156
37.5°	11060
40°	9804
42.5°	8408
45°	6929
47.5°	5520
50°	4179
52.5°	2969
55°	1951
57.5°	1468
60°	1312
62.5°	1204
65°	1139
67.5°	1087
70°	1031
72.5°	955
75°	858
77.5°	739
80°	596
82.5°	442
85°	286
87.5°	139
90°	0

(END OF REPORT)