

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: P1505080

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (3500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505080
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-86)
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-04-WHGL-PS (3500K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

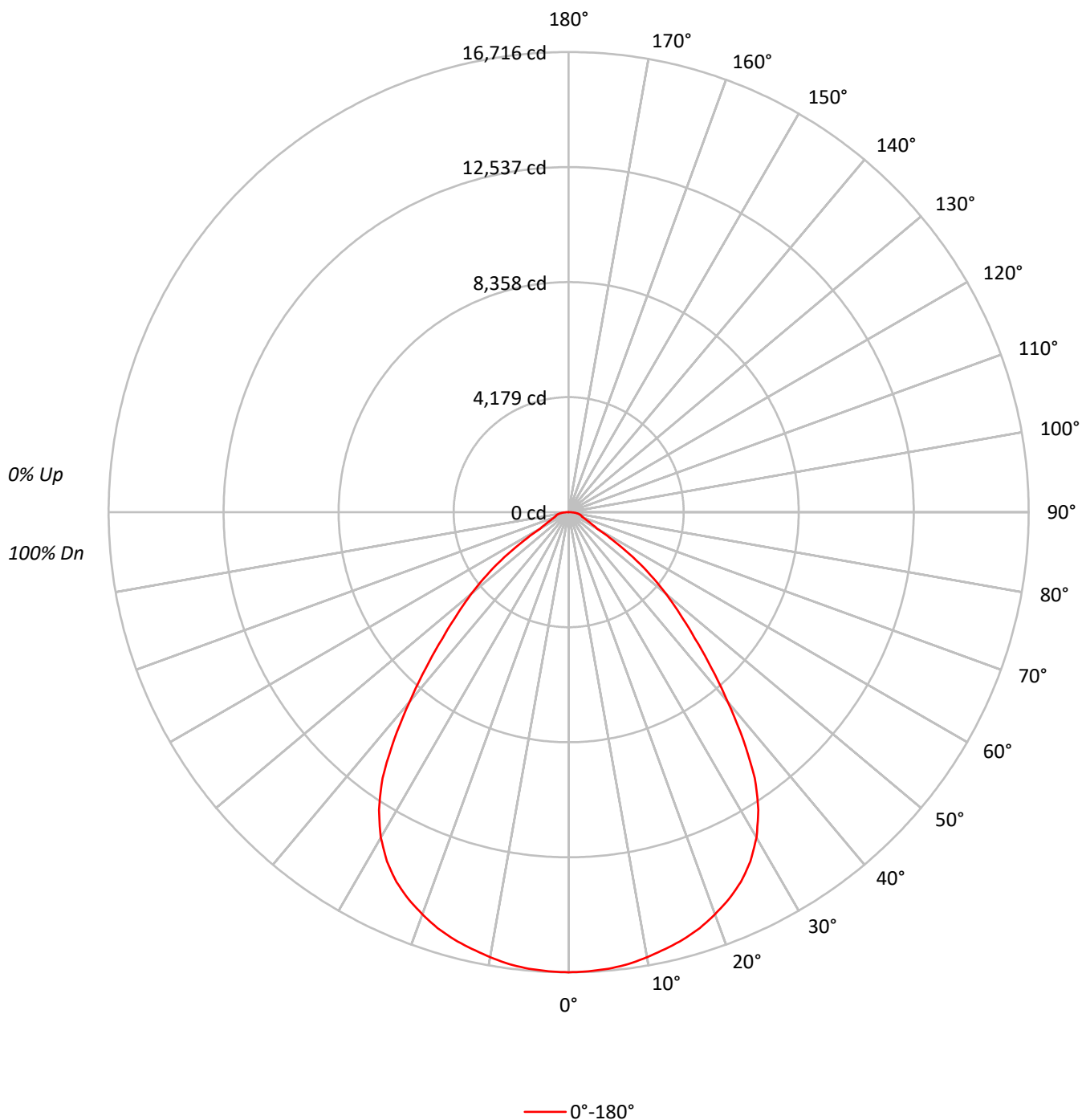
Lumens per Lamp: N/A
Luminaire Lumens: 29272.1 lumens
Efficiency: N/A
Efficacy: 149.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.17
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 196
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	91	90		
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	81	80		
3	97	89	82	77	95	87	81	76	84	79	75	82	78	74	79	76	73	71		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63		
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57		
6	79	68	60	55	77	67	60	54	65	59	54	63	58	54	62	57	53	51		
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47		
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39		
10	61	49	42	38	60	49	42	38	48	42	38	47	42	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	122656
5°	122653
10°	122298
15°	122098
20°	121391
25°	119945
30°	115628
35°	105637
40°	86198
45°	67326
50°	52762
55°	36510
60°	17493
65°	13699
70°	11757
75°	13325
80°	15930
85°	18690

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 67326 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1581.9	5.4
10°-20°	4533.4	15.5
20°-30°	6793.5	23.2
30°-40°	7222.5	24.7
40°-50°	5077.3	17.3
50°-60°	2535.5	8.7
60°-70°	805.9	2.8
70°-80°	493.8	1.7
80°-90°	228.2	0.8
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°	12908.8	44.1
0°-40°	20131.3	68.8
0°-60°	27744.2	94.8
0°-90°	29272.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29272.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16716	
5°	16652	###
15°	16073	4533
25°	14815	6793
35°	11793	7223
45°	6488	5077
55°	2854	2536
65°	789	806
75°	470	494
85°	222	228
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16716
2.5°	16690
5°	16652
7.5°	16560
10°	16414
12.5°	16250
15°	16073
17.5°	15841
20°	15546
22.5°	15214
25°	14815
27.5°	14301
30°	13647
32.5°	12826
35°	11793
37.5°	10414
40°	8999
42.5°	7678
45°	6488
47.5°	5487
50°	4622
52.5°	3750
55°	2854
57.5°	1928
60°	1192
62.5°	962
65°	789
67.5°	643
70°	548
72.5°	504
75°	470
77.5°	433
80°	377
82.5°	306
85°	222
87.5°	122
90°	0

(END OF REPORT)