

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: P1505440

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505440
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-98)
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 (3500K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

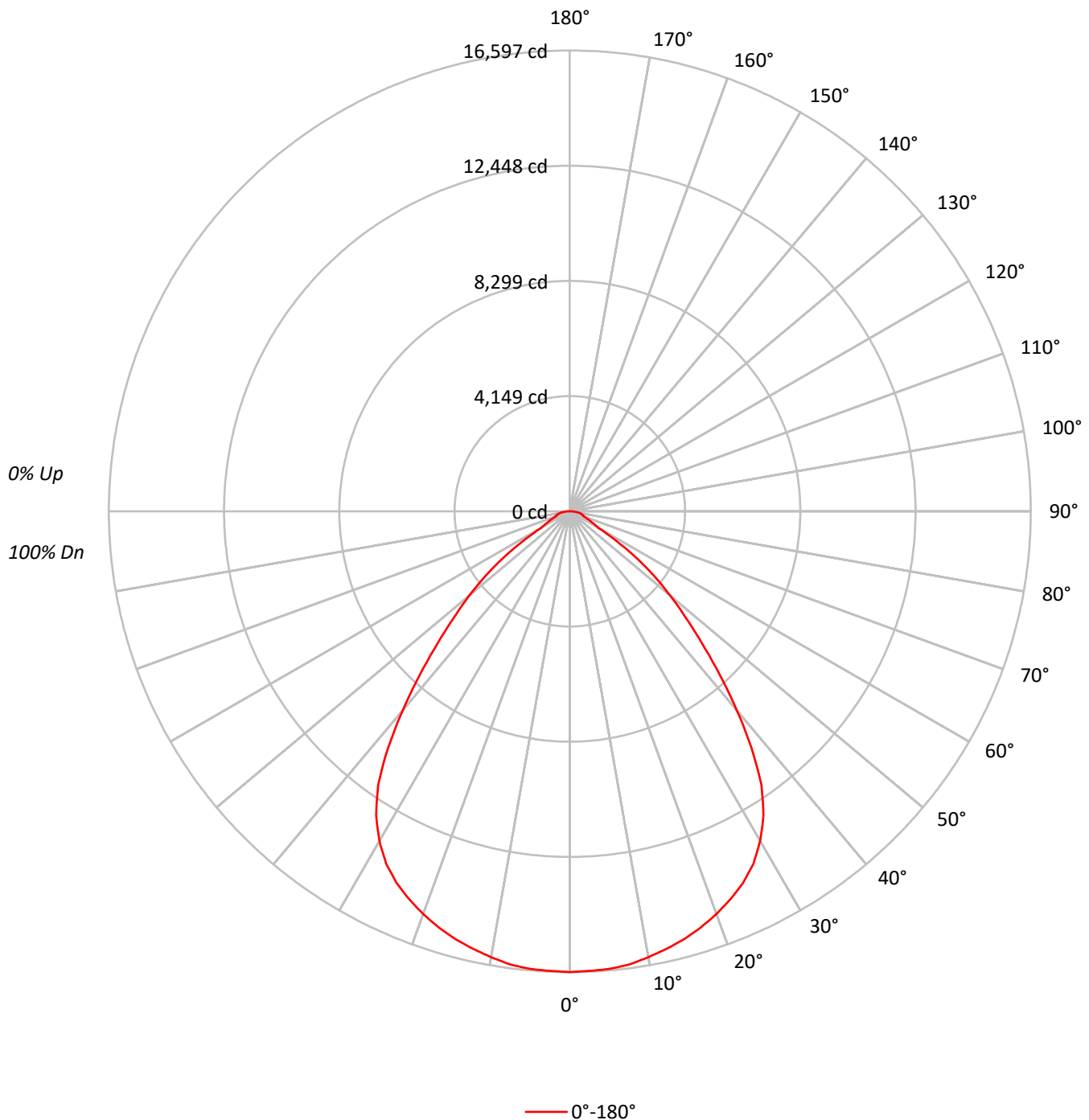
Lumens per Lamp: N/A
Luminaire Lumens: 29586.1 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.19
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 196.6
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	92	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	77	74	79	76	73	71		
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63		
5	84	74	66	61	82	73	66	60	71	64	60	69	63	59	67	62	59	57		
6	79	67	60	54	77	66	59	54	65	59	54	63	58	53	62	57	53	51		
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46		
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42		
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39		
10	61	49	42	38	60	49	42	37	48	42	37	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	118866
5°	118924
10°	118569
15°	118217
20°	117630
25°	116661
30°	113396
35°	105144
40°	87452
45°	68134
50°	52568
55°	36410
60°	17160
65°	13455
70°	11538
75°	12978
80°	15013
85°	16846

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 68134 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1571.6	5.3
10°-20°	4498.7	15.2
20°-30°	6777.3	22.9
30°-40°	7372.9	24.9
40°-50°	5254.7	17.8
50°-60°	2595.2	8.8
60°-70°	811.5	2.7
70°-80°	490.9	1.7
80°-90°	213.4	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°	12847.6	43.4
0°-40°	20220.5	68.3
0°-60°	28070.4	94.9
0°-90°	29586.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29586.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16597	
5°	16542	###
15°	15944	4499
25°	14763	6777
35°	12026	7373
45°	6727	5255
55°	2916	2595
65°	794	811
75°	469	491
85°	205	213
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16597
2.5°	16564
5°	16542
7.5°	16461
10°	16304
12.5°	16136
15°	15944
17.5°	15708
20°	15434
22.5°	15119
25°	14763
27.5°	14310
30°	13712
32.5°	12974
35°	12026
37.5°	10755
40°	9354
42.5°	7987
45°	6727
47.5°	5645
50°	4718
52.5°	3827
55°	2916
57.5°	2006
60°	1198
62.5°	969
65°	794
67.5°	649
70°	551
72.5°	506
75°	469
77.5°	426
80°	364
82.5°	290
85°	205
87.5°	107
90°	0

(END OF REPORT)