

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: P1505103

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (5000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505103
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-87)
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 (5000K_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

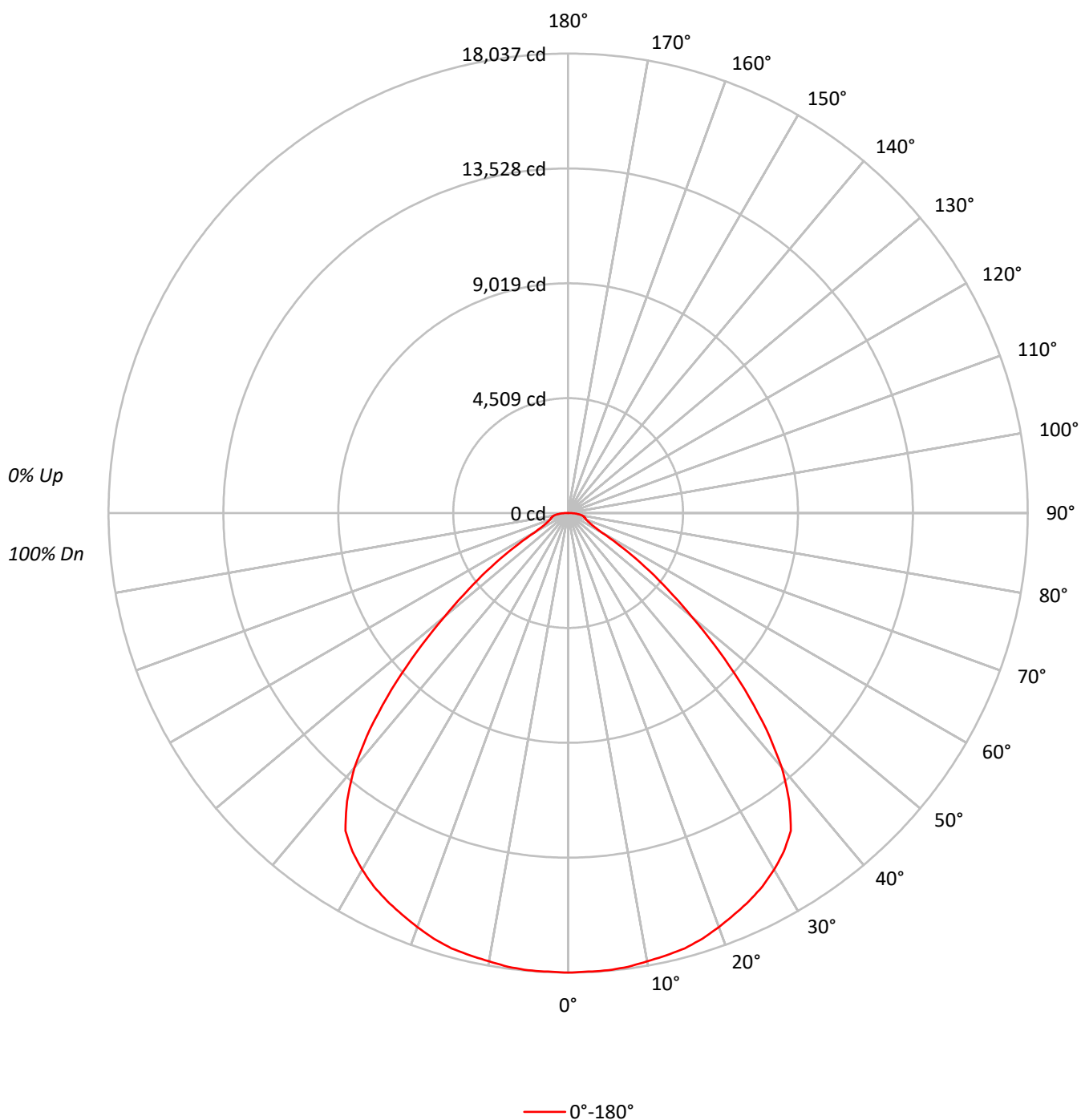
Lumens per Lamp: N/A
Luminaire Lumens: 36685.9 lumens
Efficiency: N/A
Efficacy: 157.2 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 233.3
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	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89			
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79			
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70			
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	67	62	58	66	61	57	55			
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49			
7	72	60	53	47	71	60	52	47	58	52	47	57	51	47	56	50	46	45			
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40			
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37			
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	34			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	132348
5°	132692
10°	133135
15°	134375
20°	135056
25°	136058
30°	136968
35°	136474
40°	124949
45°	101697
50°	72469
55°	47095
60°	22158
65°	16466
70°	16210
75°	19136
80°	23676
85°	29391

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 101697 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1714.9	4.7
10°-20°	4993.1	13.6
20°-30°	7750.5	21.1
30°-40°	9361.8	25.5
40°-50°	7488.3	20.4
50°-60°	3329.0	9.1
60°-70°	991.7	2.7
70°-80°	707.3	1.9
80°-90°	349.4	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°	14458.5	39.4
0°-40°	23820.3	64.9
0°-60°	34637.6	94.4
0°-90°	36685.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	36685.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18037	
5°	18015	###
15°	17689	4993
25°	16805	7750
35°	15236	9362
45°	9800	7488
55°	3681	3329
65°	948	992
75°	675	707
85°	349	349
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18036.9
2.5°	18017.4
5°	18015.0
7.5°	17964.9
10°	17868.5
12.5°	17780.6
15°	17689.1
17.5°	17518.2
20°	17296.0
22.5°	17053.1
25°	16805.3
27.5°	16518.5
30°	16165.7
32.5°	15753.2
35°	15235.6
37.5°	14255.5
40°	13044.6
42.5°	11509.1
45°	9800.3
47.5°	8041.4
50°	6348.4
52.5°	4905.6
55°	3681.4
57.5°	2510.8
60°	1509.9
62.5°	1102.2
65°	948.4
67.5°	830.0
70°	755.6
72.5°	714.1
75°	675.0
77.5°	629.8
80°	560.3
82.5°	469.9
85°	349.1
87.5°	184.3
90°	0.0

(END OF REPORT)