

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: P1505094

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (4000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505094
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 (4000K_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

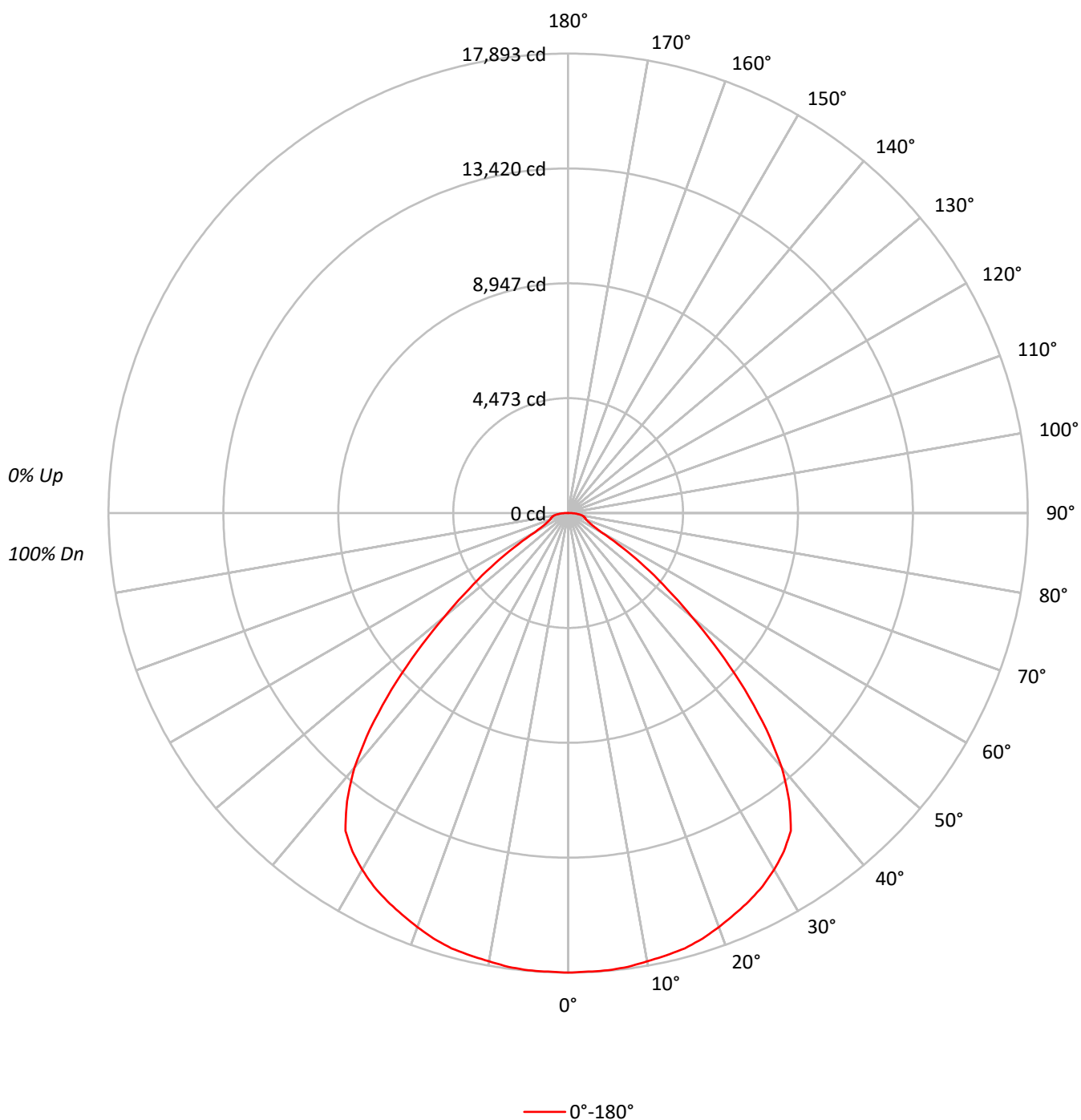
Lumens per Lamp: N/A
Luminaire Lumens: 36393.1 lumens
Efficiency: N/A
Efficacy: 156.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 231.9
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	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°	131292
5°	131633
10°	132072
15°	133302
20°	133979
25°	134973
30°	135875
35°	135386
40°	123953
45°	100886
50°	71890
55°	46719
60°	21981
65°	16334
70°	16080
75°	18983
80°	23486
85°	29155

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 100886 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1701.2	4.7
10°-20°	4953.2	13.6
20°-30°	7688.6	21.1
30°-40°	9287.2	25.5
40°-50°	7428.5	20.4
50°-60°	3302.5	9.1
60°-70°	983.7	2.7
70°-80°	701.6	1.9
80°-90°	346.6	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°	14343.1	39.4
0°-40°	23630.2	64.9
0°-60°	34361.2	94.4
0°-90°	36393.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	36393.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17893	
5°	17871	###
15°	17548	4953
25°	16671	7689
35°	15114	9287
45°	9722	7429
55°	3652	3302
65°	941	984
75°	670	702
85°	346	347
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17893.0
2.5°	17873.6
5°	17871.2
7.5°	17821.6
10°	17725.9
12.5°	17638.7
15°	17547.9
17.5°	17378.4
20°	17158.0
22.5°	16917.0
25°	16671.2
27.5°	16386.7
30°	16036.7
32.5°	15627.5
35°	15114.1
37.5°	14141.7
40°	12940.6
42.5°	11417.3
45°	9722.1
47.5°	7977.2
50°	6297.7
52.5°	4866.5
55°	3652.0
57.5°	2490.8
60°	1497.8
62.5°	1093.4
65°	940.8
67.5°	823.4
70°	749.5
72.5°	708.4
75°	669.6
77.5°	624.8
80°	555.8
82.5°	466.2
85°	346.3
87.5°	182.8
90°	0.0

(END OF REPORT)