

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: P1505439

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (3500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505439
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-99)
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_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

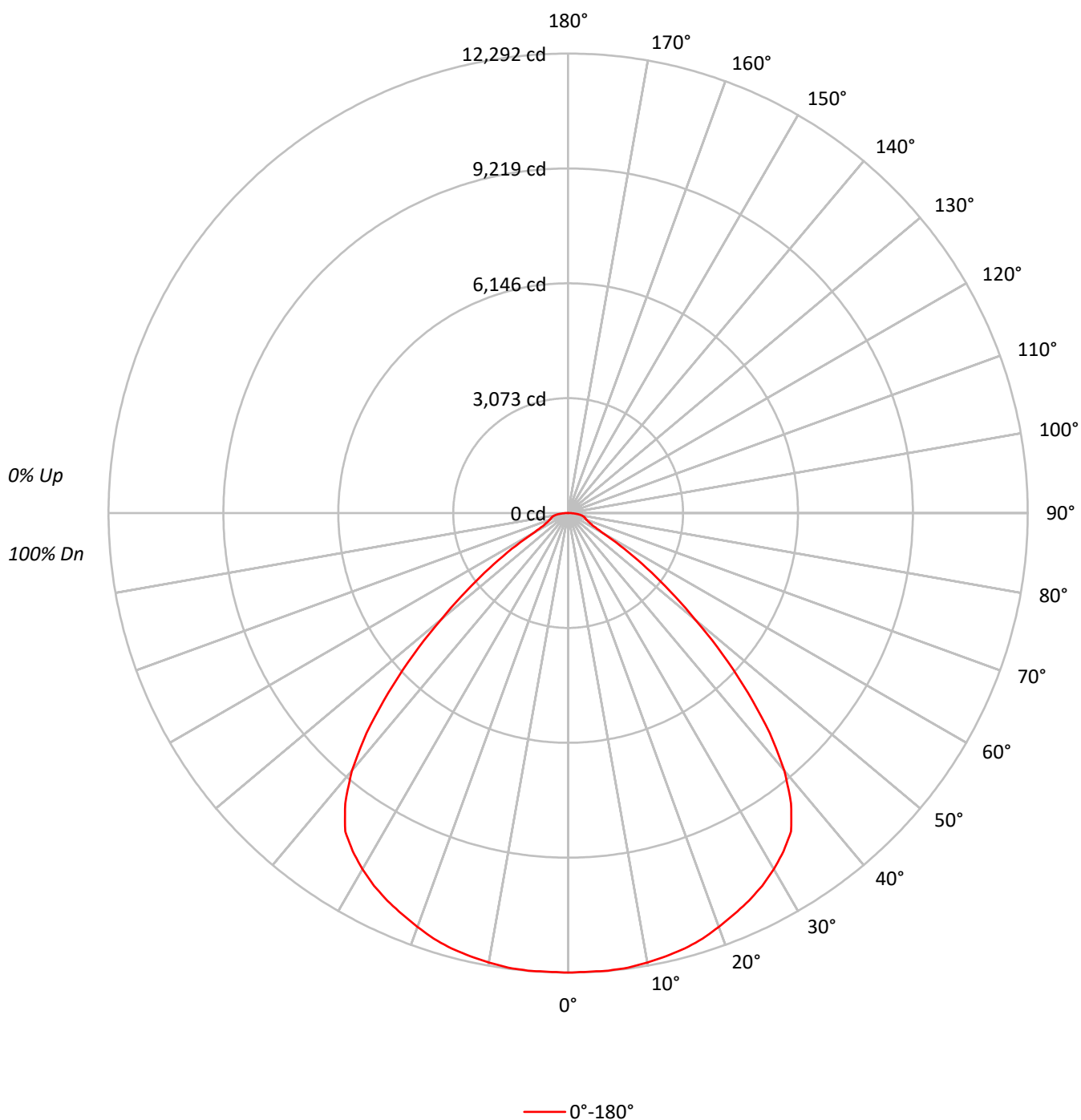
Lumens per Lamp: N/A
Luminaire Lumens: 25170.4 lumens
Efficiency: N/A
Efficacy: 159.8 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 157.5
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	80	79		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70		
4	89	79	72	66	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	57	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	46	55	50	46	44		
8	68	55	48	43	66	55	48	43	54	47	42	52	46	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	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	88032
5°	88338
10°	88780
15°	89407
20°	89789
25°	90399
30°	90944
35°	90884
40°	84072
45°	68850
50°	49481
55°	32091
60°	15391
65°	11032
70°	10851
75°	12685
80°	15207
85°	17470

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 68850 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1170.4	4.6
10°-20°	3405.1	13.5
20°-30°	5275.5	21.0
30°-40°	6400.5	25.4
40°-50°	5198.0	20.7
50°-60°	2336.0	9.3
60°-70°	686.8	2.7
70°-80°	478.7	1.9
80°-90°	219.5	0.9
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°	9851.0	39.1
0°-40°	16251.5	64.6
0°-60°	23785.5	94.5
0°-90°	25170.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25170.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12292	
5°	12288	###
15°	12058	3405
25°	11440	5275
35°	10395	6400
45°	6798	5198
55°	2570	2336
65°	651	687
75°	458	479
85°	213	219
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12291.7
2.5°	12280.9
5°	12287.5
7.5°	12265.9
10°	12207.8
12.5°	12140.5
15°	12058.3
17.5°	11941.2
20°	11781.0
22.5°	11612.4
25°	11439.7
27.5°	11238.7
30°	10997.1
32.5°	10723.0
35°	10395.0
37.5°	9793.0
40°	8992.5
42.5°	7976.0
45°	6797.7
47.5°	5609.4
50°	4441.0
52.5°	3432.9
55°	2570.1
57.5°	1782.1
60°	1074.5
62.5°	763.1
65°	651.0
67.5°	569.7
70°	518.2
72.5°	488.3
75°	458.4
77.5°	421.8
80°	368.7
82.5°	301.4
85°	212.6
87.5°	108.0
90°	0.0

(END OF REPORT)