

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: P1505106

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (6500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505106
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 (6500K_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

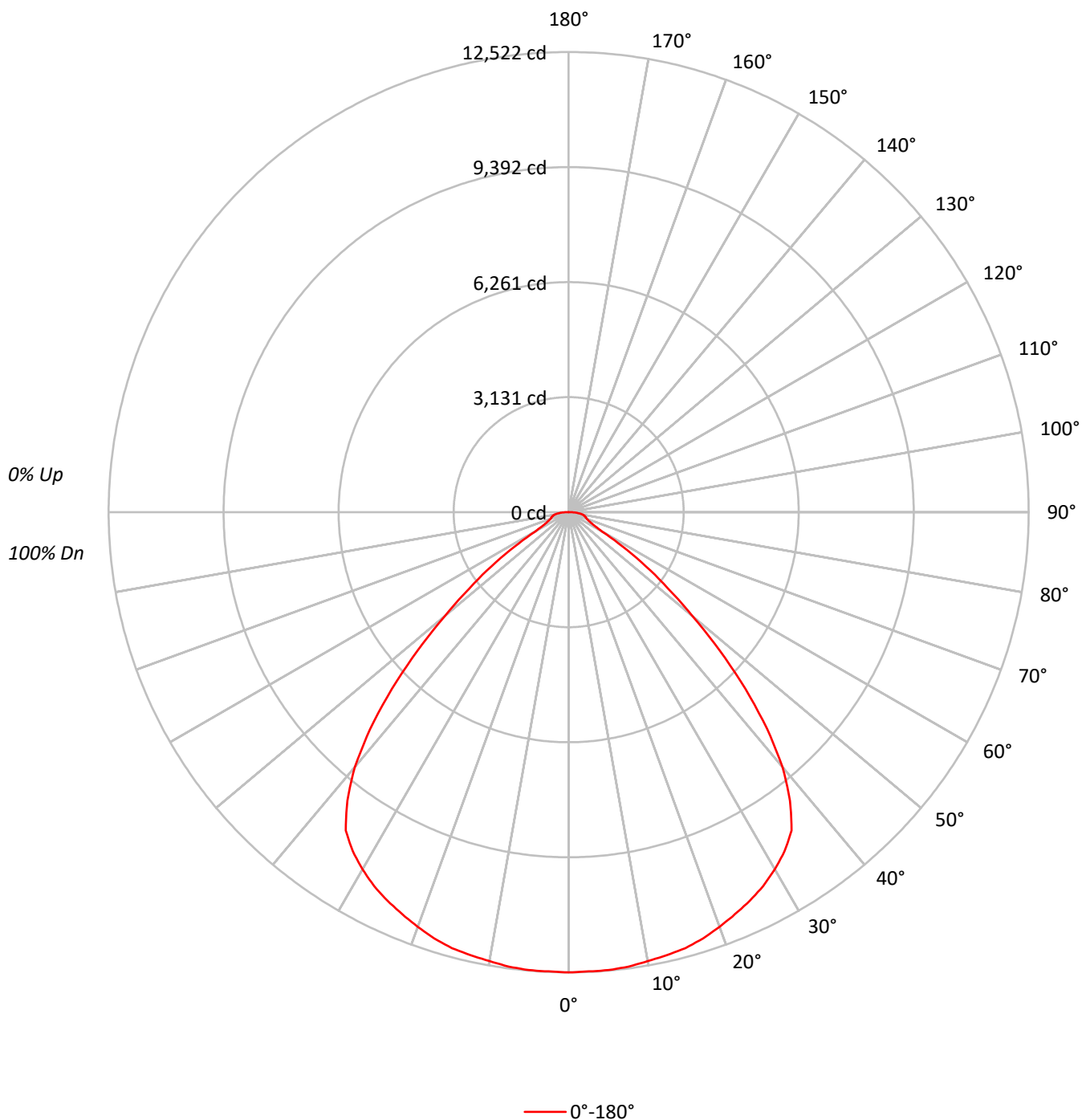
Lumens per Lamp: N/A
Luminaire Lumens: 25469.2 lumens
Efficiency: N/A
Efficacy: 159.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 159.8
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°	91883
5°	92121
10°	92429
15°	93290
20°	93763
25°	94459
30°	95091
35°	94748
40°	86746
45°	70604
50°	50312
55°	32696
60°	15383
65°	11431
70°	11252
75°	13285
80°	16437
85°	20408

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 70604 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1190.6	4.7
10°-20°	3466.5	13.6
20°-30°	5380.8	21.1
30°-40°	6499.5	25.5
40°-50°	5198.7	20.4
50°-60°	2311.2	9.1
60°-70°	688.4	2.7
70°-80°	491.0	1.9
80°-90°	242.6	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°	10037.8	39.4
0°-40°	16537.3	64.9
0°-60°	24047.2	94.4
0°-90°	25469.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25469.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12522	
5°	12507	###
15°	12281	3466
25°	11667	5381
35°	10577	6499
45°	6804	5199
55°	2556	2311
65°	658	688
75°	469	491
85°	242	243
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12522.2
2.5°	12508.6
5°	12506.9
7.5°	12472.2
10°	12405.2
12.5°	12344.2
15°	12280.7
17.5°	12162.0
20°	12007.8
22.5°	11839.2
25°	11667.1
27.5°	11468.0
30°	11223.1
32.5°	10936.7
35°	10577.4
37.5°	9896.9
40°	9056.3
42.5°	7990.2
45°	6803.9
47.5°	5582.7
50°	4407.4
52.5°	3405.7
55°	2555.8
57.5°	1743.1
60°	1048.2
62.5°	765.2
65°	658.4
67.5°	576.2
70°	524.5
72.5°	495.7
75°	468.6
77.5°	437.3
80°	389.0
82.5°	326.3
85°	242.4
87.5°	128.0
90°	0.0

(END OF REPORT)