

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: P1505095

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (5000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505095
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-86)
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_L24_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

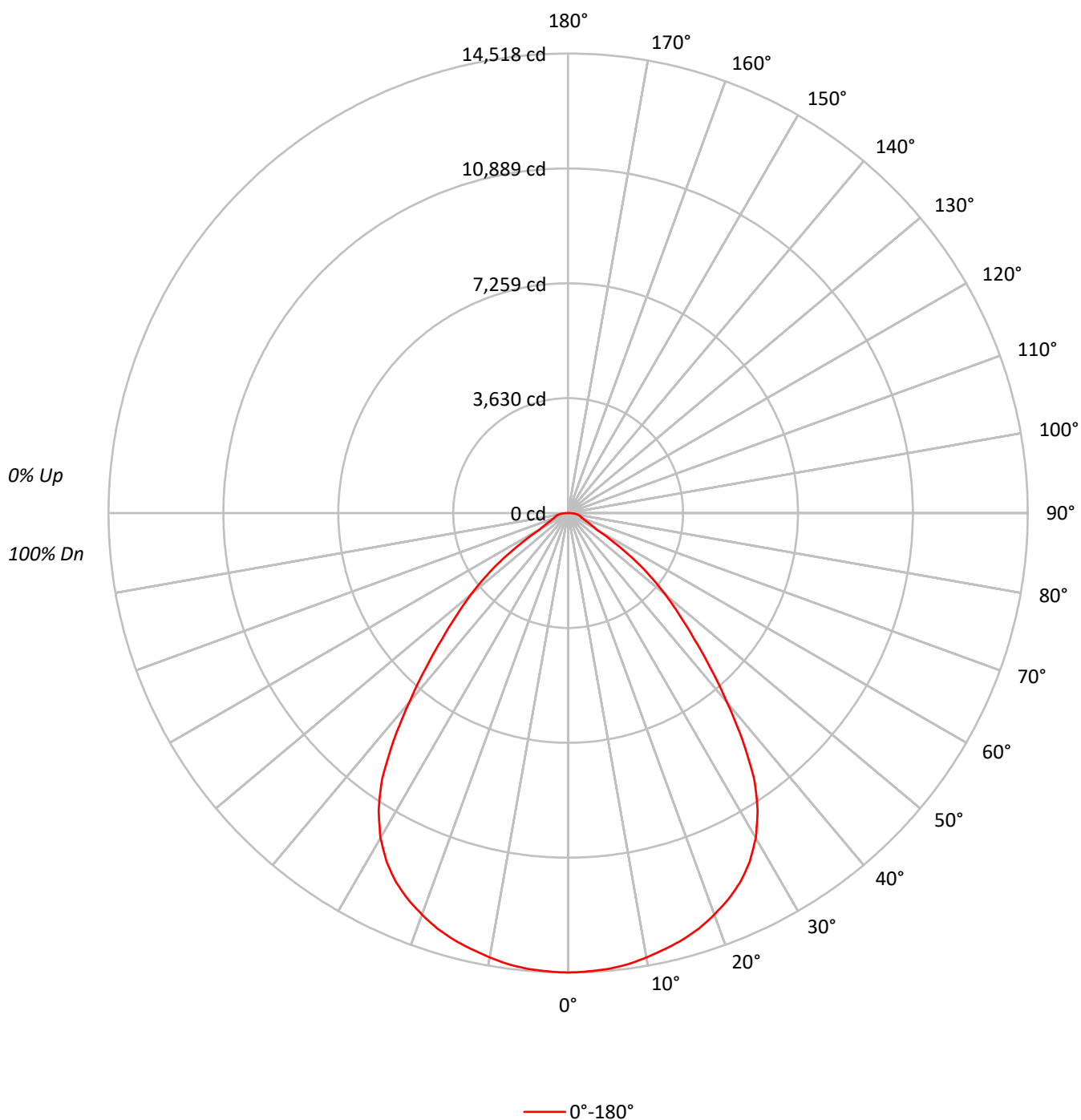
Lumens per Lamp: N/A
Luminaire Lumens: 25422.7 lumens
Efficiency: N/A
Efficacy: 162.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.17
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 156.4
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	93	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	78	74	79	76	73	71		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63		
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57		
6	79	68	60	55	77	67	60	54	65	59	54	63	58	54	62	57	53	51		
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47		
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39		
10	61	49	42	38	60	49	42	38	48	42	38	47	42	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	106526
5°	106523
10°	106215
15°	106041
20°	105428
25°	104172
30°	100422
35°	91745
40°	74862
45°	58472
50°	45823
55°	31709
60°	15192
65°	11897
70°	10210
75°	11573
80°	13834
85°	16232

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 58472 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1373.9	5.4
10°-20°	3937.3	15.5
20°-30°	5900.1	23.2
30°-40°	6272.7	24.7
40°-50°	4409.6	17.3
50°-60°	2202.1	8.7
60°-70°	699.9	2.8
70°-80°	428.9	1.7
80°-90°	198.2	0.8
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°	11211.3	44.1
0°-40°	17484.0	68.8
0°-60°	24095.7	94.8
0°-90°	25422.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25422.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14518	
5°	14462	###
15°	13959	3937
25°	12867	5900
35°	10242	6273
45°	5635	4410
55°	2479	2202
65°	685	700
75°	408	429
85°	193	198
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	14517.8
2.5°	14495.2
5°	14462.2
7.5°	14382.3
10°	14255.5
12.5°	14113.1
15°	13959.3
17.5°	13757.8
20°	13501.6
22.5°	13213.3
25°	12866.8
27.5°	12420.4
30°	11852.4
32.5°	11139.3
35°	10242.2
37.5°	9044.5
40°	7815.6
42.5°	6668.3
45°	5634.8
47.5°	4765.4
50°	4014.2
52.5°	3256.9
55°	2478.7
57.5°	1674.5
60°	1035.2
62.5°	835.5
65°	685.2
67.5°	558.4
70°	475.9
72.5°	437.7
75°	408.2
77.5°	376.1
80°	327.4
82.5°	265.8
85°	192.8
87.5°	106.0
90°	0.0

(END OF REPORT)