

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: P1505428

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (3000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505428
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-98)
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 (3000K_L24_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

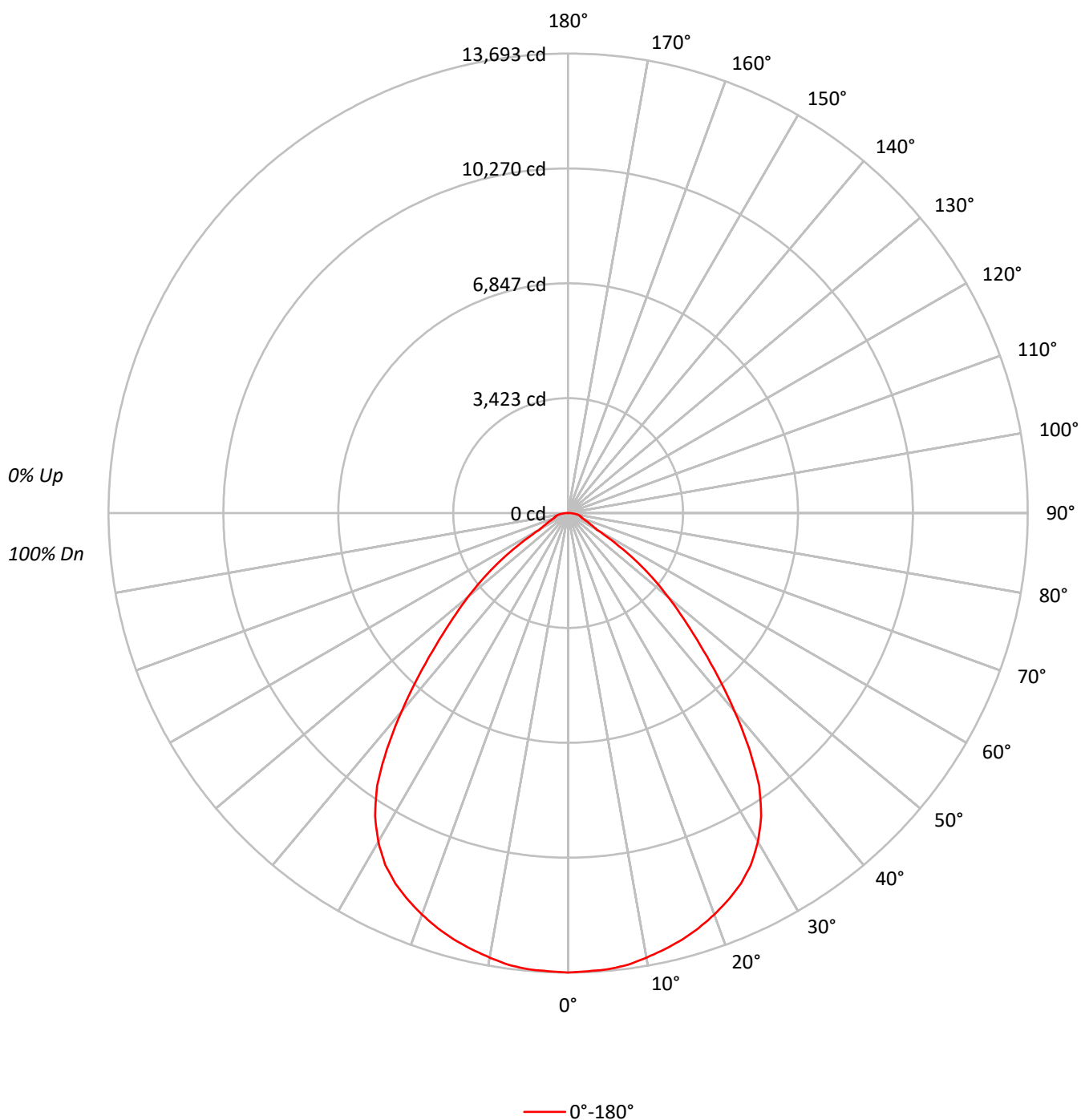
Lumens per Lamp: N/A
Luminaire Lumens: 24408.7 lumens
Efficiency: N/A
Efficacy: 153.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.19
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 159.4
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	92	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	77	74	79	76	73	71		
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63		
5	84	74	66	61	82	73	66	60	71	64	60	69	63	59	67	62	59	57		
6	79	67	60	54	77	66	59	54	65	59	54	63	58	53	62	57	53	51		
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46		
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42		
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39		
10	61	49	42	38	60	49	42	37	48	42	37	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	98065
5°	98113
10°	97820
15°	97530
20°	97045
25°	96246
30°	93552
35°	86744
40°	72148
45°	56211
50°	43369
55°	30038
60°	14158
65°	11102
70°	9519
75°	10706
80°	12385
85°	13896

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 56211 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1296.6	5.3
10°-20°	3711.4	15.2
20°-30°	5591.3	22.9
30°-40°	6082.7	24.9
40°-50°	4335.2	17.8
50°-60°	2141.0	8.8
60°-70°	669.5	2.7
70°-80°	405.0	1.7
80°-90°	176.1	0.7
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°	10599.3	43.4
0°-40°	16682.0	68.3
0°-60°	23158.2	94.9
0°-90°	24408.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24408.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13693	
5°	13647	###
15°	13154	3711
25°	12180	5591
35°	9922	6083
45°	5550	4335
55°	2406	2141
65°	655	669
75°	387	405
85°	169	176
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13692.6
2.5°	13665.4
5°	13647.2
7.5°	13580.4
10°	13450.9
12.5°	13312.3
15°	13153.9
17.5°	12959.2
20°	12733.1
22.5°	12473.2
25°	12179.5
27.5°	11805.8
30°	11312.4
32.5°	10703.6
35°	9921.5
37.5°	8872.9
40°	7717.1
42.5°	6589.3
45°	5549.8
47.5°	4657.1
50°	3892.4
52.5°	3157.3
55°	2405.7
57.5°	1655.0
60°	988.4
62.5°	799.4
65°	655.1
67.5°	535.4
70°	454.6
72.5°	417.5
75°	386.9
77.5°	351.5
80°	300.3
82.5°	239.3
85°	169.1
87.5°	88.3
90°	0.0

(END OF REPORT)