

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: P1505086

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (4000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505086
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 (4000K_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

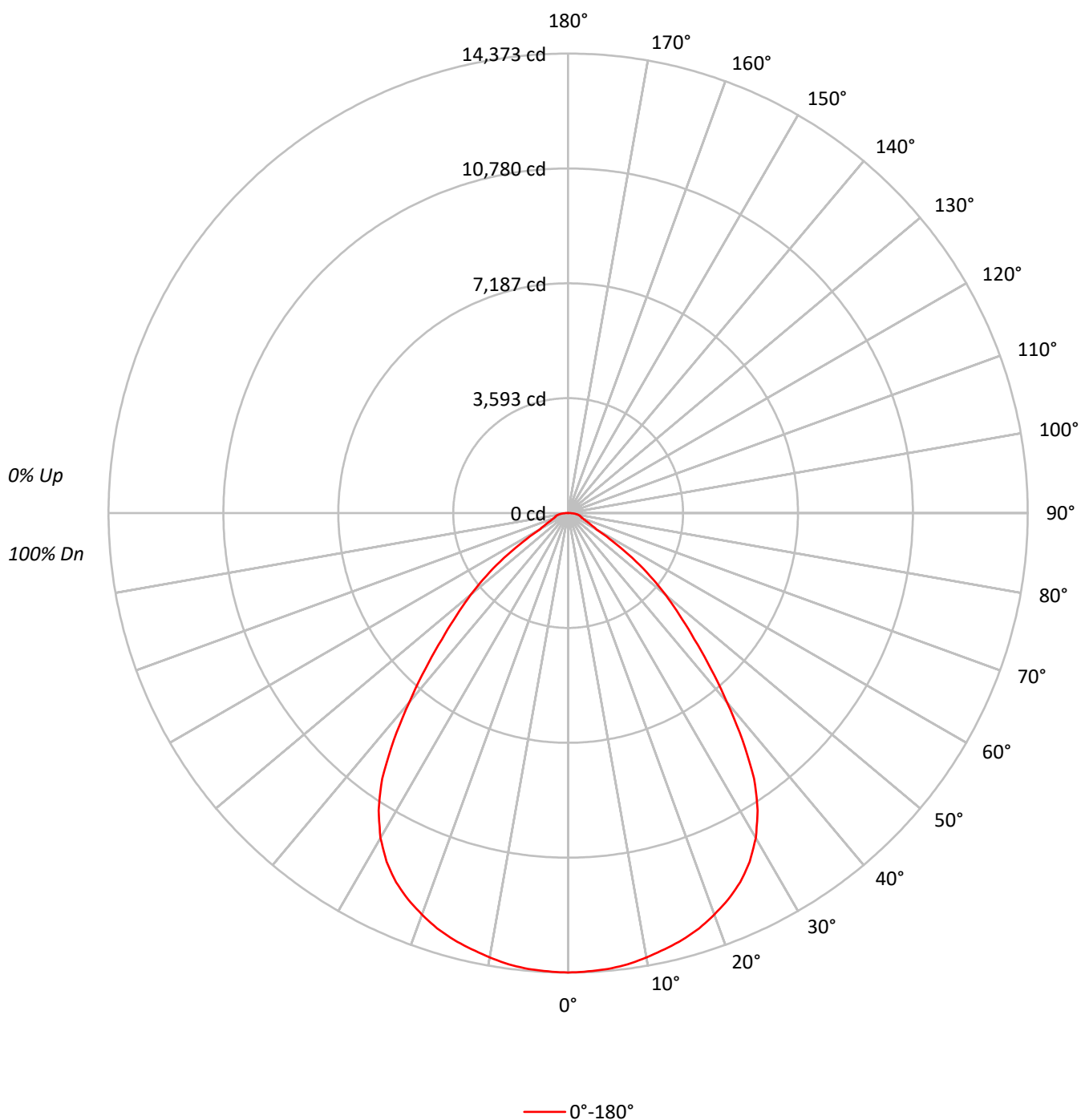
Lumens per Lamp: N/A
Luminaire Lumens: 25168.6 lumens
Efficiency: N/A
Efficacy: 161.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.17
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 155.7
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°	105461
5°	105458
10°	105153
15°	104982
20°	104374
25°	103131
30°	99418
35°	90828
40°	74114
45°	57888
50°	45366
55°	31392
60°	15041
65°	11779
70°	10109
75°	11456
80°	13699
85°	16072

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 57888 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1360.2	5.4
10°-20°	3897.9	15.5
20°-30°	5841.1	23.2
30°-40°	6210.0	24.7
40°-50°	4365.6	17.3
50°-60°	2180.1	8.7
60°-70°	692.9	2.8
70°-80°	424.6	1.7
80°-90°	196.3	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°	11099.2	44.1
0°-40°	17309.2	68.8
0°-60°	23854.8	94.8
0°-90°	25168.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25168.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14373	
5°	14318	###
15°	13820	3898
25°	12738	5841
35°	10140	6210
45°	5578	4366
55°	2454	2180
65°	678	693
75°	404	425
85°	191	196
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14372.7
2.5°	14350.3
5°	14317.6
7.5°	14238.5
10°	14113.0
12.5°	13972.0
15°	13819.8
17.5°	13620.3
20°	13366.7
22.5°	13081.2
25°	12738.2
27.5°	12296.2
30°	11733.9
32.5°	11028.0
35°	10139.8
37.5°	8954.1
40°	7737.5
42.5°	6601.7
45°	5578.5
47.5°	4717.8
50°	3974.1
52.5°	3224.3
55°	2453.9
57.5°	1657.7
60°	1024.9
62.5°	827.1
65°	678.4
67.5°	552.9
70°	471.2
72.5°	433.3
75°	404.1
77.5°	372.3
80°	324.2
82.5°	263.1
85°	190.9
87.5°	104.9
90°	0.0

(END OF REPORT)