

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: P1505268

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (4000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505268
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-111)
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-06-WHGL-PS (4000K_L24_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

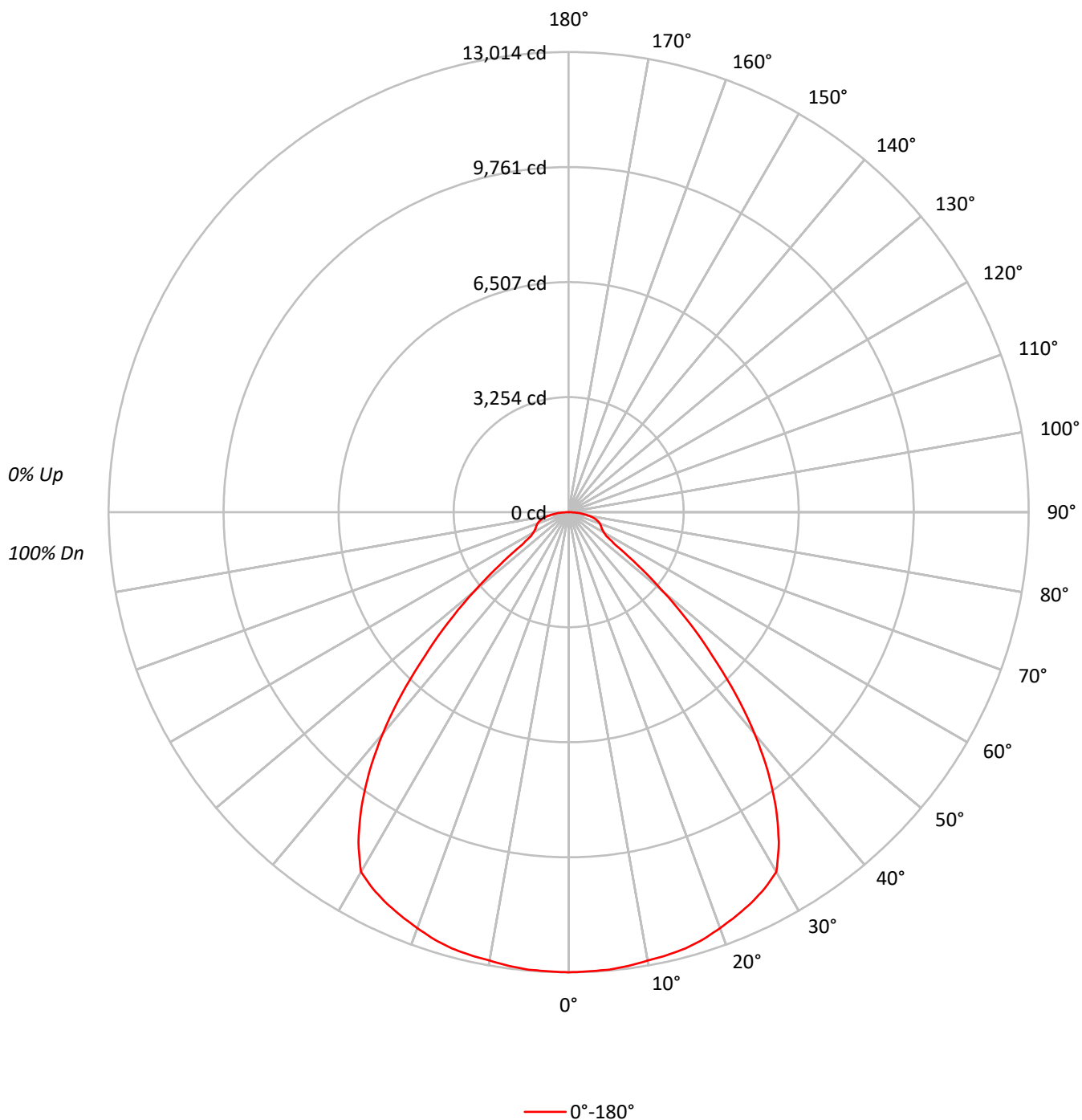
Lumens per Lamp: N/A
Luminaire Lumens: 25113.8 lumens
Efficiency: N/A
Efficacy: 161.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102			100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90			88
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80			78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71			69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63			62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57			55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51			50
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47			45
8	68	56	49	43	67	55	48	43	54	48	43	53	47	43	52	47	43			41
9	64	52	45	40	63	51	44	40	50	44	39	49	43	39	48	43	39			37
10	60	48	41	36	59	48	41	36	47	41	36	46	40	36	45	40	36			34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	86817
5°	86970
10°	87236
15°	88193
20°	88854
25°	89817
30°	90505
35°	83332
40°	71356
45°	54356
50°	36229
55°	18720
60°	15372
65°	16151
70°	18313
75°	20653
80°	22493
85°	22511

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 54356 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1236.1	4.9
10°-20°	3606.6	14.4
20°-30°	5625.6	22.4
30°-40°	6323.1	25.2
40°-50°	4449.5	17.7
50°-60°	1700.0	6.8
60°-70°	1021.6	4.1
70°-80°	831.5	3.3
80°-90°	319.7	1.3
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°	10468.3	41.7
0°-40°	16791.4	66.9
0°-60°	22941.0	91.3
0°-90°	25113.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25113.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13014	
5°	12988	###
15°	12770	3607
25°	12202	5626
35°	10233	6323
45°	5762	4450
55°	1610	1700
65°	1023	1022
75°	801	831
85°	294	320
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13014.2
2.5°	12994.4
5°	12987.5
7.5°	12944.5
10°	12878.3
12.5°	12831.9
15°	12770.0
17.5°	12665.1
20°	12516.3
22.5°	12366.7
25°	12202.5
27.5°	12001.3
30°	11749.4
32.5°	11066.7
35°	10232.7
37.5°	9268.8
40°	8194.0
42.5°	7010.1
45°	5761.6
47.5°	4625.8
50°	3490.9
52.5°	2466.8
55°	1609.6
57.5°	1272.5
60°	1152.2
62.5°	1070.5
65°	1023.2
67.5°	982.8
70°	938.9
72.5°	879.6
75°	801.3
77.5°	705.9
80°	585.5
82.5°	444.5
85°	294.1
87.5°	143.6
90°	0.0

(END OF REPORT)