

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: P1505105

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (6500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505105
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-85)
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_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

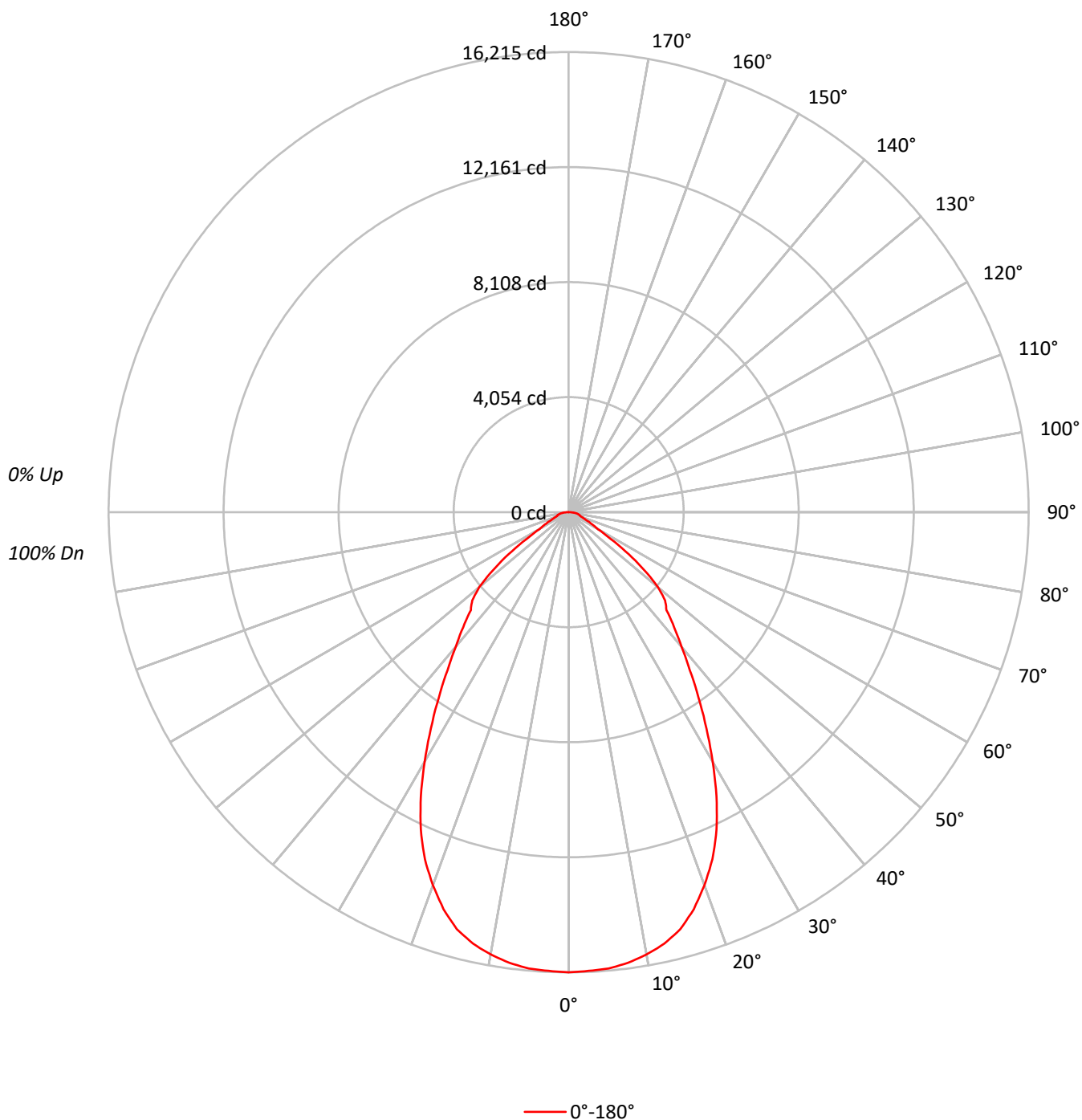
Lumens per Lamp: N/A
Luminaire Lumens: 23946.8 lumens
Efficiency: N/A
Efficacy: 149.9 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.02
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	60	58		
6	79	68	61	56	78	67	60	55	66	60	55	64	59	55	63	58	54	52		
7	74	63	56	51	73	62	55	50	61	55	50	60	54	50	58	53	49	48		
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	118981
5°	118886
10°	117912
15°	115582
20°	109214
25°	99859
30°	85937
35°	71490
40°	59327
45°	50590
50°	46945
55°	33140
60°	17472
65°	12992
70°	10216
75°	11170
80°	13175
85°	14556

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 50590 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1530.4	6.4
10°-20°	4251.3	17.8
20°-30°	5609.2	23.4
30°-40°	5008.1	20.9
40°-50°	3879.8	16.2
50°-60°	2302.8	9.6
60°-70°	767.7	3.2
70°-80°	416.3	1.7
80°-90°	181.3	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°	11390.8	47.6
0°-40°	16399.0	68.5
0°-60°	22581.6	94.3
0°-90°	23946.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23946.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16215	
5°	16141	###
15°	15215	4251
25°	12334	5609
35°	7981	5008
45°	4875	3880
55°	2590	2303
65°	748	768
75°	394	416
85°	173	181
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16215.2
2.5°	16180.4
5°	16140.6
7.5°	16016.1
10°	15825.4
12.5°	15574.6
15°	15215.2
17.5°	14666.1
20°	13986.5
22.5°	13239.9
25°	12334.1
27.5°	11287.5
30°	10142.7
32.5°	9036.8
35°	7980.9
37.5°	7014.0
40°	6193.7
42.5°	5503.9
45°	4875.2
47.5°	4614.1
50°	4112.5
52.5°	3371.0
55°	2590.5
57.5°	1770.2
60°	1190.6
62.5°	949.1
65°	748.3
67.5°	581.3
70°	476.2
72.5°	427.1
75°	394.0
77.5°	361.0
80°	311.8
82.5°	248.3
85°	172.9
87.5°	89.0
90°	0.0

(END OF REPORT)