

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: P1505096

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (5000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505096
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 (5000K_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

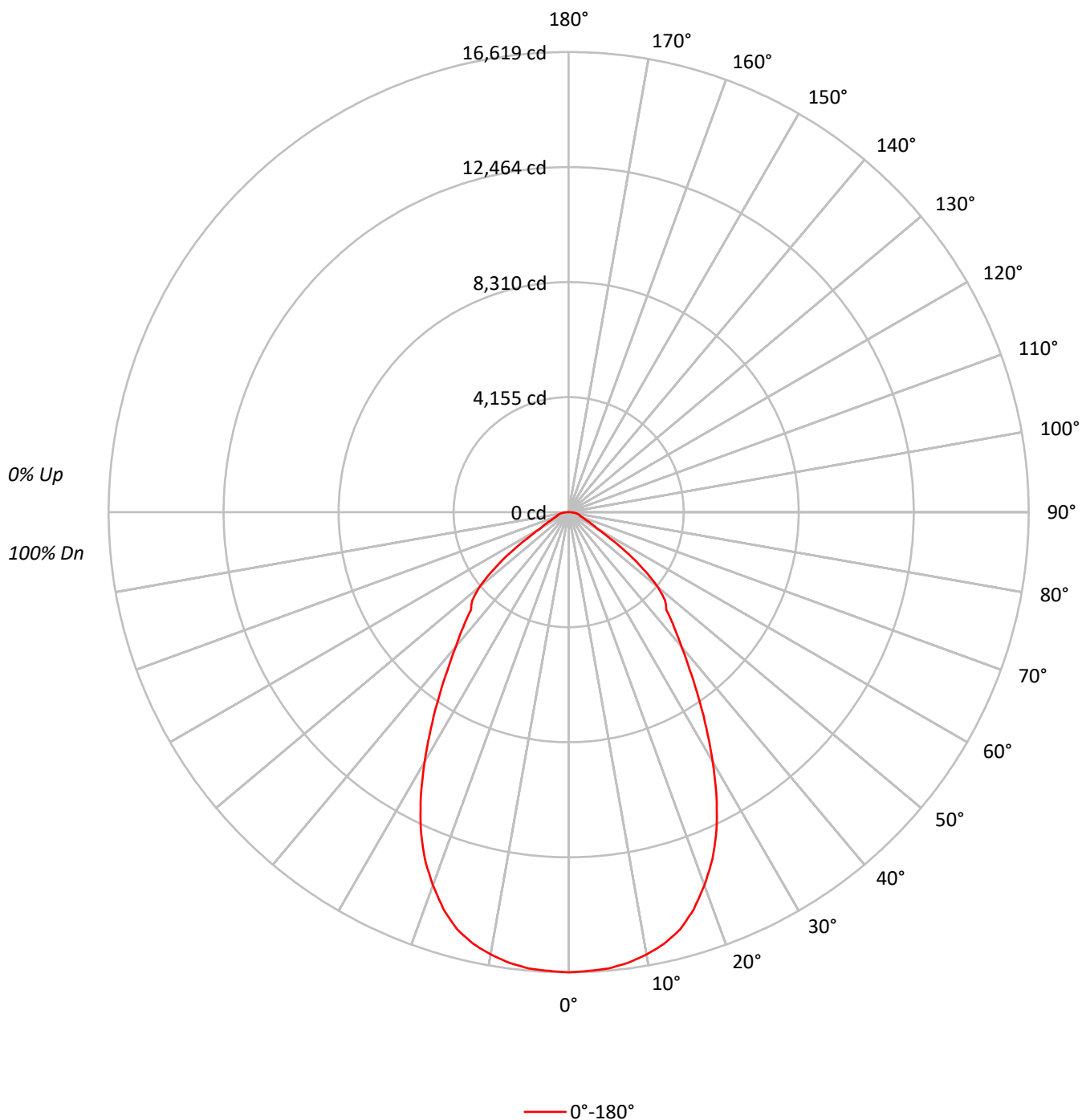
Lumens per Lamp: N/A
Luminaire Lumens: 24542.8 lumens
Efficiency: N/A
Efficacy: 156.9 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.02
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	121942
5°	121844
10°	120846
15°	118458
20°	111931
25°	102344
30°	88074
35°	73268
40°	60803
45°	51848
50°	48113
55°	33965
60°	17907
65°	13315
70°	10472
75°	11451
80°	13505
85°	14918

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51848 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1568.5	6.4
10°-20°	4357.0	17.8
20°-30°	5748.8	23.4
30°-40°	5132.7	20.9
40°-50°	3976.3	16.2
50°-60°	2360.2	9.6
60°-70°	786.8	3.2
70°-80°	426.7	1.7
80°-90°	185.8	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°	11674.3	47.6
0°-40°	16807.0	68.5
0°-60°	23143.5	94.3
0°-90°	24542.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24542.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16619	
5°	16542	###
15°	15594	4357
25°	12641	5749
35°	8180	5133
45°	4996	3976
55°	2655	2360
65°	767	787
75°	404	427
85°	177	186
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16618.7
2.5°	16583.1
5°	16542.2
7.5°	16414.6
10°	16219.2
12.5°	15962.1
15°	15593.8
17.5°	15031.1
20°	14334.5
22.5°	13569.4
25°	12641.0
27.5°	11568.4
30°	10395.0
32.5°	9261.6
35°	8179.5
37.5°	7188.5
40°	6347.8
42.5°	5640.9
45°	4996.5
47.5°	4729.0
50°	4214.8
52.5°	3454.9
55°	2655.0
57.5°	1814.3
60°	1220.2
62.5°	972.7
65°	766.9
67.5°	595.8
70°	488.1
72.5°	437.7
75°	403.9
77.5°	370.0
80°	319.6
82.5°	254.5
85°	177.2
87.5°	91.2
90°	0.0

(END OF REPORT)