

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: P1505282

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (5000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505282
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-109)
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 (5000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE
SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

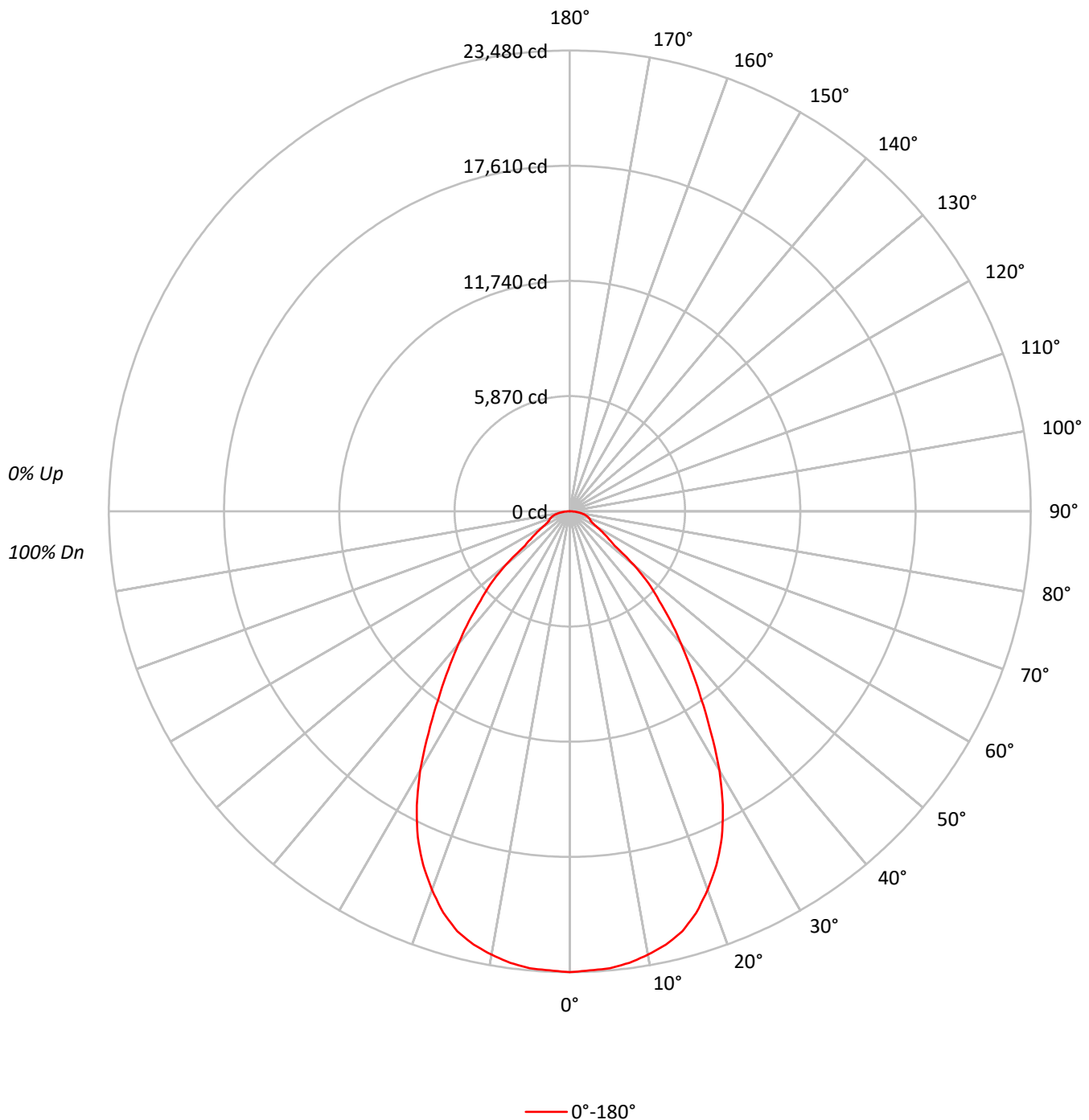
Lumens per Lamp: N/A
Luminaire Lumens: 33811.0 lumens
Efficiency: N/A
Efficacy: 144.9 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.03
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 233.3
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	111	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89		
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	88	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64		
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53		
7	75	64	57	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	67	55	48	44	65	55	48	43	54	48	43	53	47	43	52	47	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	156631
5°	156486
10°	155409
15°	153001
20°	145661
25°	134873
30°	117396
35°	95088
40°	76755
45°	60675
50°	44336
55°	27654
60°	21089
65°	18708
70°	20546
75°	22462
80°	23726
85°	24761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 60675 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2216.8	6.6
10°-20°	6197.6	18.3
20°-30°	8329.5	24.6
30°-40°	7341.0	21.7
40°-50°	4997.2	14.8
50°-60°	2253.8	6.7
60°-70°	1221.2	3.6
70°-80°	907.2	2.7
80°-90°	346.5	1.0
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°	16744.0	49.5
0°-40°	24085.0	71.2
0°-60°	31336.0	92.7
0°-90°	33811.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33811.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23480	
5°	23369	###
15°	22154	6198
25°	18324	8329
35°	11676	7341
45°	6431	4997
55°	2378	2254
65°	1185	1221
75°	872	907
85°	324	346
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	23479.6
2.5°	23413.7
5°	23368.6
7.5°	23206.2
10°	22942.6
12.5°	22616.7
15°	22154.0
17.5°	21441.2
20°	20518.4
22.5°	19517.5
25°	18323.8
27.5°	16878.6
30°	15240.5
32.5°	13387.6
35°	11676.3
37.5°	10154.2
40°	8814.0
42.5°	7612.9
45°	6431.4
47.5°	5465.9
50°	4272.1
52.5°	2873.3
55°	2377.7
57.5°	1961.5
60°	1580.7
62.5°	1320.7
65°	1185.2
67.5°	1110.8
70°	1053.4
72.5°	975.3
75°	871.5
77.5°	754.3
80°	617.6
82.5°	474.8
85°	323.5
87.5°	166.0
90°	0.0

(END OF REPORT)