

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: P1505263

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (3500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505263
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-110)
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 (3500K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

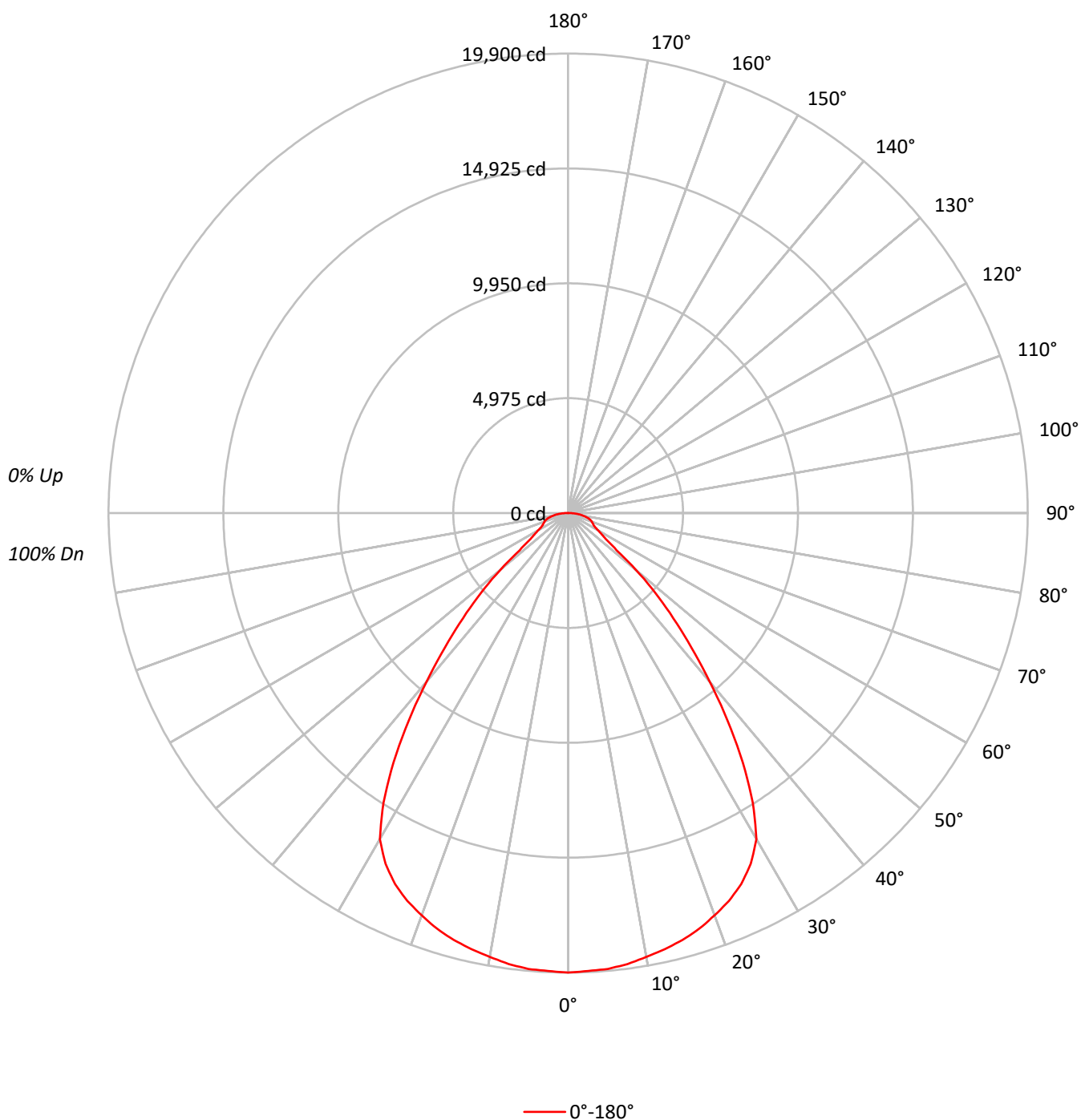
Lumens per Lamp: N/A
Luminaire Lumens: 33122.6 lumens
Efficiency: N/A
Efficacy: 140.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.13
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 235.4
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	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	88	82	77	95	87	81	76	84	79	75	82	77	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	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	45	55	49	45	54	49	45	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	132751
5°	132697
10°	132200
15°	132175
20°	131607
25°	130509
30°	125583
35°	107332
40°	82967
45°	60723
50°	39690
55°	23525
60°	19961
65°	19101
70°	21357
75°	23759
80°	26081
85°	27845

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 60723 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1881.8	5.7
10°-20°	5399.3	16.3
20°-30°	8122.8	24.5
30°-40°	8133.5	24.6
40°-50°	4997.2	15.1
50°-60°	2013.3	6.1
60°-70°	1228.4	3.7
70°-80°	960.4	2.9
80°-90°	385.9	1.2
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°	15403.9	46.5
0°-40°	23537.4	71.1
0°-60°	30547.9	92.2
0°-90°	33122.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33122.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19900	
5°	19816	###
15°	19138	5399
25°	17731	8123
35°	13180	8133
45°	6436	4997
55°	2023	2013
65°	1210	1228
75°	922	960
85°	364	386
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	19899.9
2.5°	19849.9
5°	19816.2
7.5°	19698.8
10°	19516.3
12.5°	19343.1
15°	19138.5
17.5°	18875.8
20°	18538.7
22.5°	18178.3
25°	17730.8
27.5°	17121.6
30°	16303.3
32.5°	14879.3
35°	13179.8
37.5°	11351.3
40°	9527.4
42.5°	7882.5
45°	6436.5
47.5°	5122.9
50°	3824.4
52.5°	2644.6
55°	2022.7
57.5°	1730.9
60°	1496.1
62.5°	1305.4
65°	1210.1
67.5°	1148.5
70°	1095.0
72.5°	1019.5
75°	921.8
77.5°	809.1
80°	678.9
82.5°	531.2
85°	363.8
87.5°	183.7
90°	0.0

(END OF REPORT)