

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: P1505281

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (5000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505281
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 (5000K_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

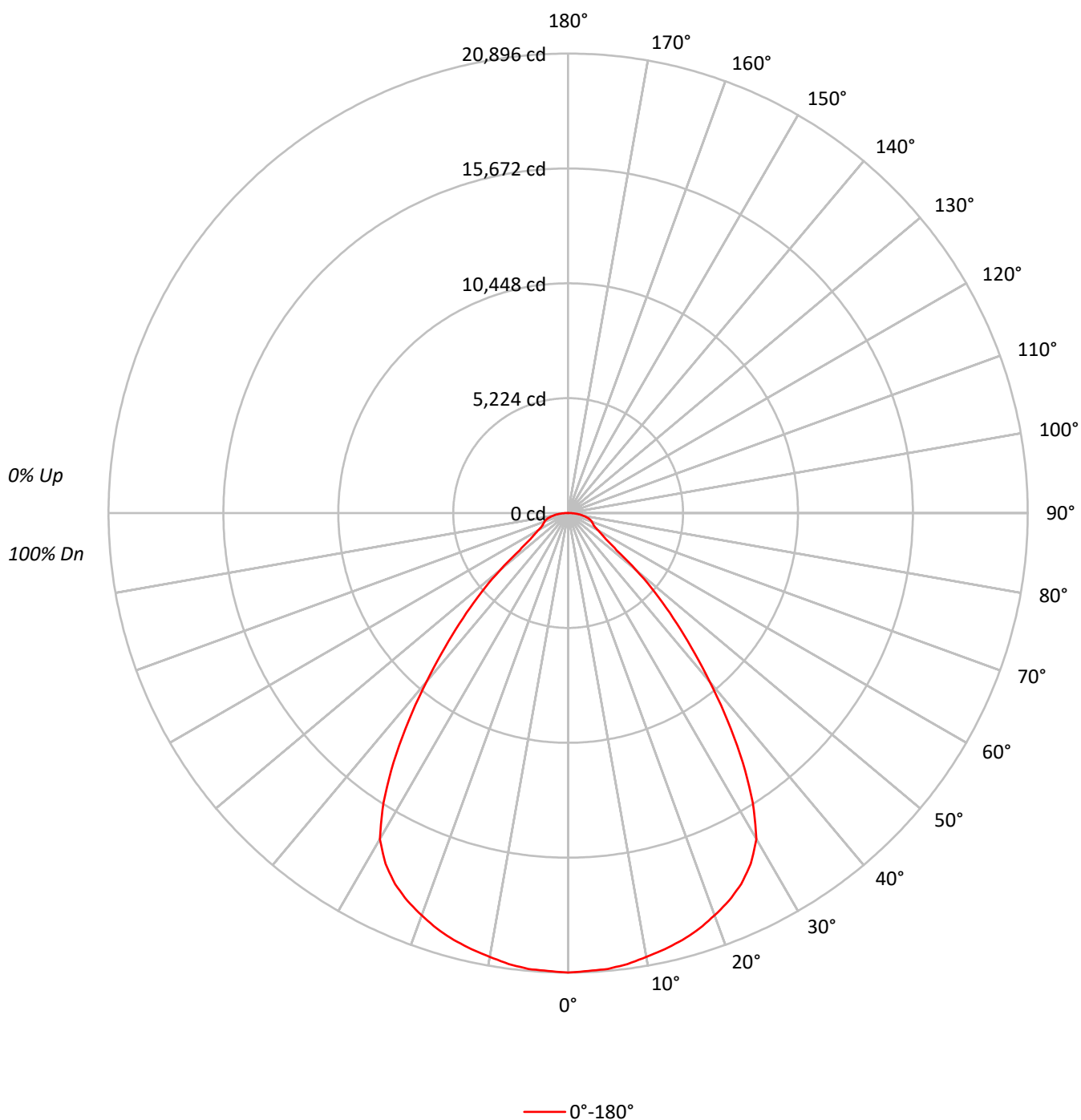
Lumens per Lamp: N/A
Luminaire Lumens: 34779.9 lumens
Efficiency: N/A
Efficacy: 149.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.13
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	139393
5°	139337
10°	138815
15°	138789
20°	138192
25°	137038
30°	131866
35°	112703
40°	87118
45°	63760
50°	41676
55°	24702
60°	20959
65°	20058
70°	22426
75°	24947
80°	27383
85°	29246

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63760 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1975.9	5.7
10°-20°	5669.4	16.3
20°-30°	8529.3	24.5
30°-40°	8540.4	24.6
40°-50°	5247.2	15.1
50°-60°	2114.1	6.1
60°-70°	1289.9	3.7
70°-80°	1008.4	2.9
80°-90°	405.3	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°	16174.6	46.5
0°-40°	24715.0	71.1
0°-60°	32076.3	92.2
0°-90°	34779.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34779.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20896	
5°	20808	###
15°	20096	5669
25°	18618	8529
35°	13839	8540
45°	6758	5247
55°	2124	2114
65°	1271	1290
75°	968	1008
85°	382	405
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20895.6
2.5°	20843.1
5°	20807.7
7.5°	20684.4
10°	20492.8
12.5°	20310.9
15°	20096.1
17.5°	19820.2
20°	19466.3
22.5°	19087.9
25°	18617.9
27.5°	17978.3
30°	17119.0
32.5°	15623.8
35°	13839.3
37.5°	11919.2
40°	10004.1
42.5°	8276.9
45°	6758.5
47.5°	5379.2
50°	4015.8
52.5°	2776.9
55°	2123.9
57.5°	1817.5
60°	1570.9
62.5°	1370.7
65°	1270.7
67.5°	1206.0
70°	1149.8
72.5°	1070.5
75°	967.9
77.5°	849.5
80°	712.8
82.5°	557.8
85°	382.1
87.5°	192.9
90°	0.0

(END OF REPORT)