

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: P1505291

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (6500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505291
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 (6500K_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

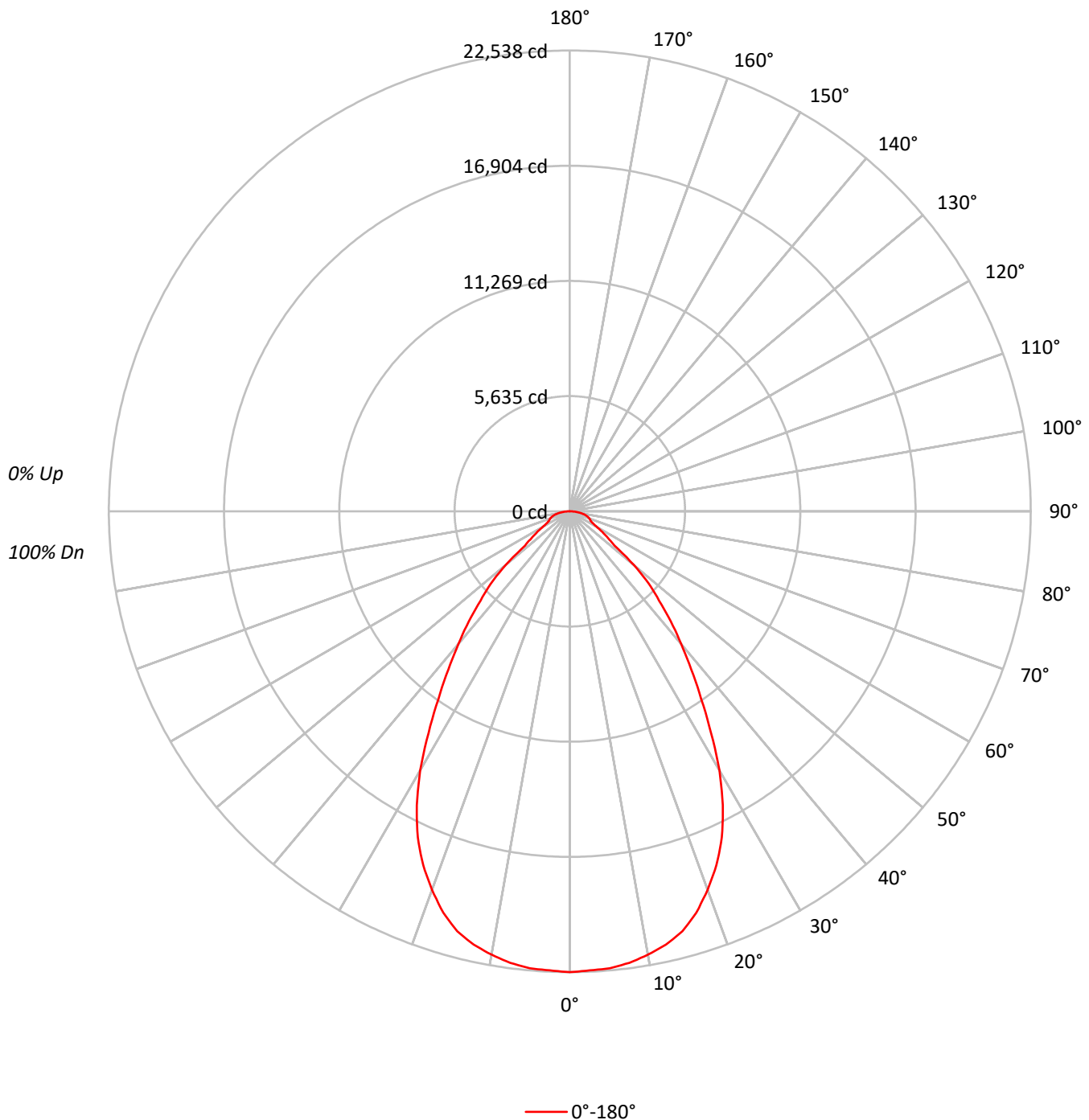
Lumens per Lamp: N/A
Luminaire Lumens: 32455.1 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.03
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 239.6
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°	150349
5°	150210
10°	149177
15°	146866
20°	139820
25°	129464
30°	112688
35°	91275
40°	73676
45°	58242
50°	42559
55°	26545
60°	20244
65°	17958
70°	19721
75°	21563
80°	22777
85°	23766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 58242 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2127.9	6.6
10°-20°	5949.1	18.3
20°-30°	7995.5	24.6
30°-40°	7046.6	21.7
40°-50°	4796.8	14.8
50°-60°	2163.5	6.7
60°-70°	1172.2	3.6
70°-80°	870.9	2.7
80°-90°	332.6	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°	16072.5	49.5
0°-40°	23119.1	71.2
0°-60°	30079.4	92.7
0°-90°	32455.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32455.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22538	
5°	22431	###
15°	21266	5949
25°	17589	7995
35°	11208	7047
45°	6174	4797
55°	2282	2163
65°	1138	1172
75°	837	871
85°	310	333
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	22538.0
2.5°	22474.8
5°	22431.4
7.5°	22275.6
10°	22022.5
12.5°	21709.7
15°	21265.6
17.5°	20581.4
20°	19695.6
22.5°	18734.8
25°	17588.9
27.5°	16201.7
30°	14629.3
32.5°	12850.8
35°	11208.1
37.5°	9747.0
40°	8460.5
42.5°	7307.6
45°	6173.5
47.5°	5246.7
50°	4100.8
52.5°	2758.1
55°	2282.4
57.5°	1882.9
60°	1517.3
62.5°	1267.7
65°	1137.7
67.5°	1066.2
70°	1011.1
72.5°	936.2
75°	836.6
77.5°	724.1
80°	592.9
82.5°	455.8
85°	310.5
87.5°	159.3
90°	0.0

(END OF REPORT)