

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: P1505641

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505641
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-122)
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-B-06-WHGL-PS (5000K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

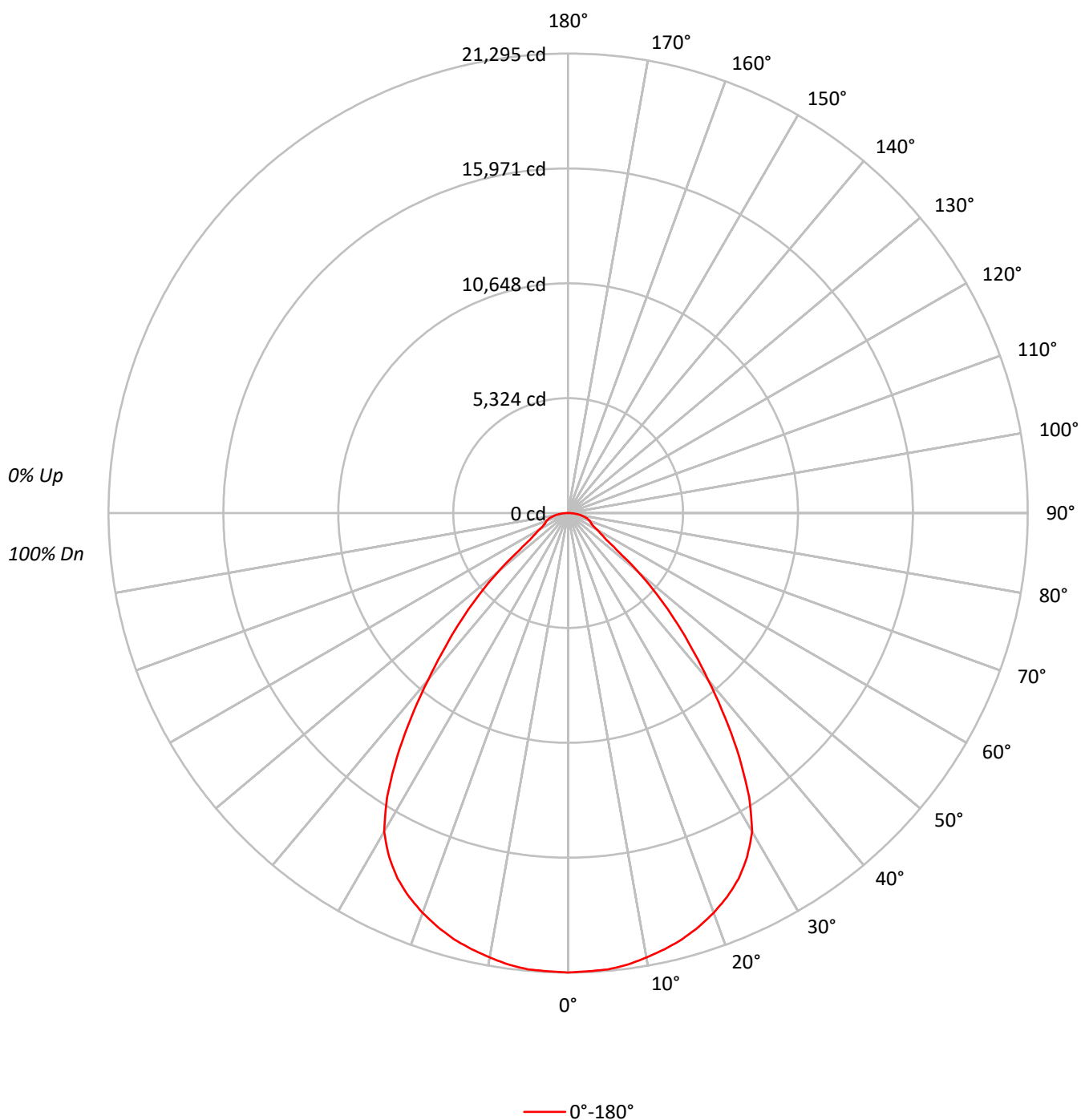
Lumens per Lamp: N/A
Luminaire Lumens: 34921.6 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

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	101	99	97	98	96	94	94	93	91	89		
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	77	72	67	75	70	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	56	78	67	60	55	66	60	55	64	59	54	63	58	54	52		
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48		
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	135672
5°	135776
10°	135269
15°	134846
20°	133678
25°	131403
30°	125420
35°	107600
40°	83812
45°	62809
50°	42114
55°	23808
60°	19753
65°	18107
70°	19872
75°	21483
80°	22528
85°	22661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 62809 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2016.1	5.8
10°-20°	5763.1	16.5
20°-30°	8560.8	24.5
30°-40°	8542.1	24.5
40°-50°	5389.3	15.4
50°-60°	2175.5	6.2
60°-70°	1229.4	3.5
70°-80°	909.1	2.6
80°-90°	336.3	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°	16340.0	46.8
0°-40°	24882.1	71.3
0°-60°	32446.8	92.9
0°-90°	34921.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34921.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21295	
5°	21230	###
15°	20444	5763
25°	18692	8561
35°	13834	8542
45°	6971	5389
55°	2143	2175
65°	1201	1229
75°	873	909
85°	310	336
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	21294.7
2.5°	21253.2
5°	21230.0
7.5°	21112.9
10°	20909.0
12.5°	20700.3
15°	20444.0
17.5°	20108.3
20°	19716.5
22.5°	19251.4
25°	18692.4
27.5°	17962.5
30°	17048.2
32.5°	15606.7
35°	13834.4
37.5°	11941.2
40°	10077.3
42.5°	8424.6
45°	6970.9
47.5°	5591.6
50°	4248.9
52.5°	2935.6
55°	2143.4
57.5°	1817.5
60°	1550.2
62.5°	1325.6
65°	1201.1
67.5°	1130.3
70°	1066.8
72.5°	981.4
75°	872.7
77.5°	749.5
80°	614.0
82.5°	466.3
85°	310.0
87.5°	152.6
90°	0.0

(END OF REPORT)