

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: P1505632

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (4000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505632
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 (4000K_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

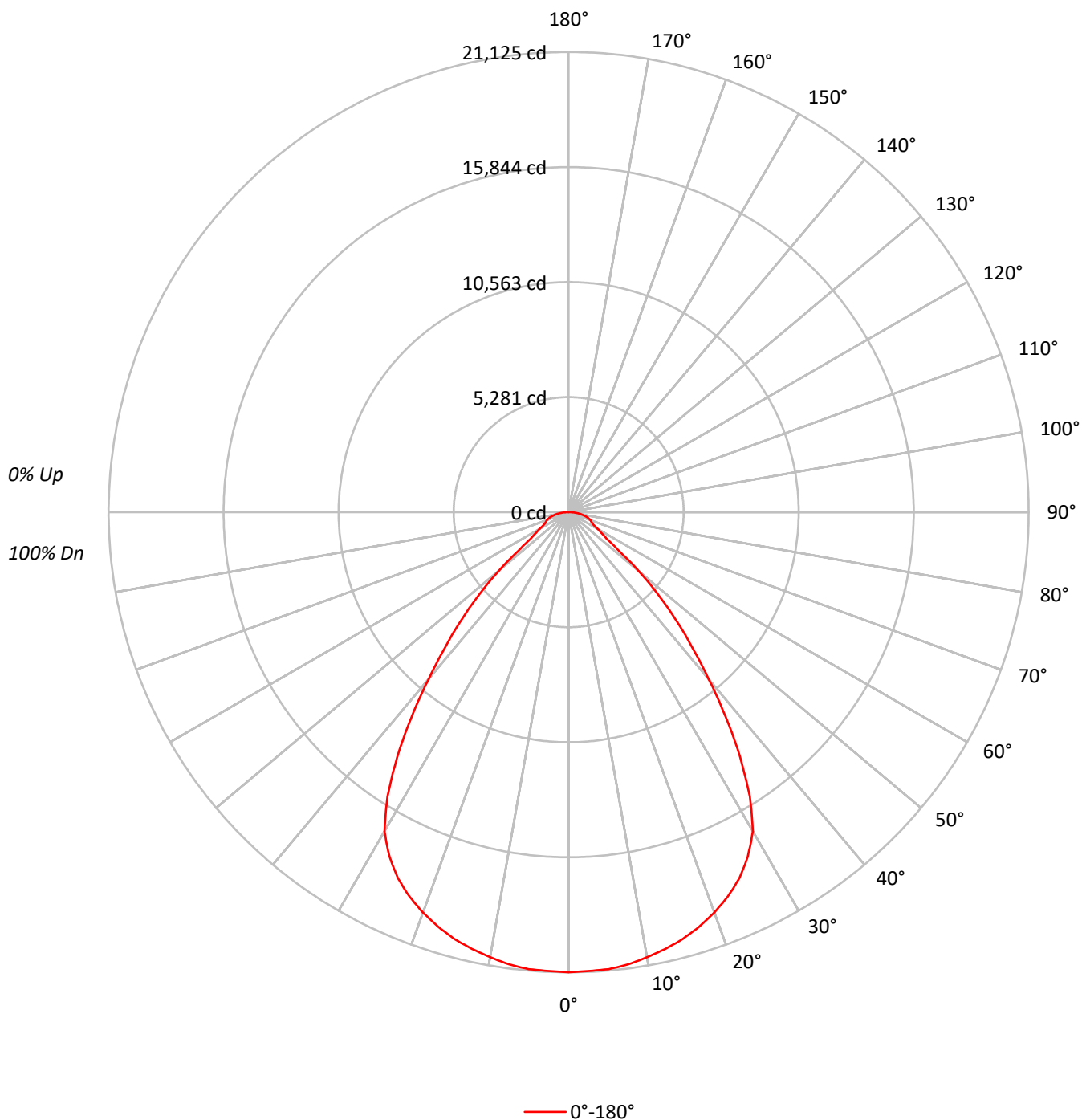
Lumens per Lamp: N/A
Luminaire Lumens: 34642.9 lumens
Efficiency: N/A
Efficacy: 149.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 231.9
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°	134589
5°	134693
10°	134190
15°	133770
20°	132612
25°	130355
30°	124419
35°	106742
40°	83144
45°	62308
50°	41778
55°	23618
60°	19595
65°	17962
70°	19714
75°	21313
80°	22348
85°	22486

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 62308 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2000.0	5.8
10°-20°	5717.1	16.5
20°-30°	8492.5	24.5
30°-40°	8473.9	24.5
40°-50°	5346.3	15.4
50°-60°	2158.1	6.2
60°-70°	1219.5	3.5
70°-80°	901.8	2.6
80°-90°	333.7	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°	16209.6	46.8
0°-40°	24683.5	71.3
0°-60°	32187.9	92.9
0°-90°	34642.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34642.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21125	
5°	21061	###
15°	20281	5717
25°	18543	8492
35°	13724	8474
45°	6915	5346
55°	2126	2158
65°	1192	1220
75°	866	902
85°	308	334
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	21124.8
2.5°	21083.6
5°	21060.6
7.5°	20944.4
10°	20742.2
12.5°	20535.1
15°	20280.8
17.5°	19947.9
20°	19559.2
22.5°	19097.8
25°	18543.2
27.5°	17819.1
30°	16912.2
32.5°	15482.2
35°	13724.0
37.5°	11845.9
40°	9996.9
42.5°	8357.4
45°	6915.3
47.5°	5547.0
50°	4215.0
52.5°	2912.1
55°	2126.3
57.5°	1803.0
60°	1537.8
62.5°	1315.0
65°	1191.5
67.5°	1121.3
70°	1058.3
72.5°	973.5
75°	865.8
77.5°	743.5
80°	609.1
82.5°	462.6
85°	307.6
87.5°	151.4
90°	0.0

(END OF REPORT)