

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: P1505614

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (3000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505614
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 (3000K_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

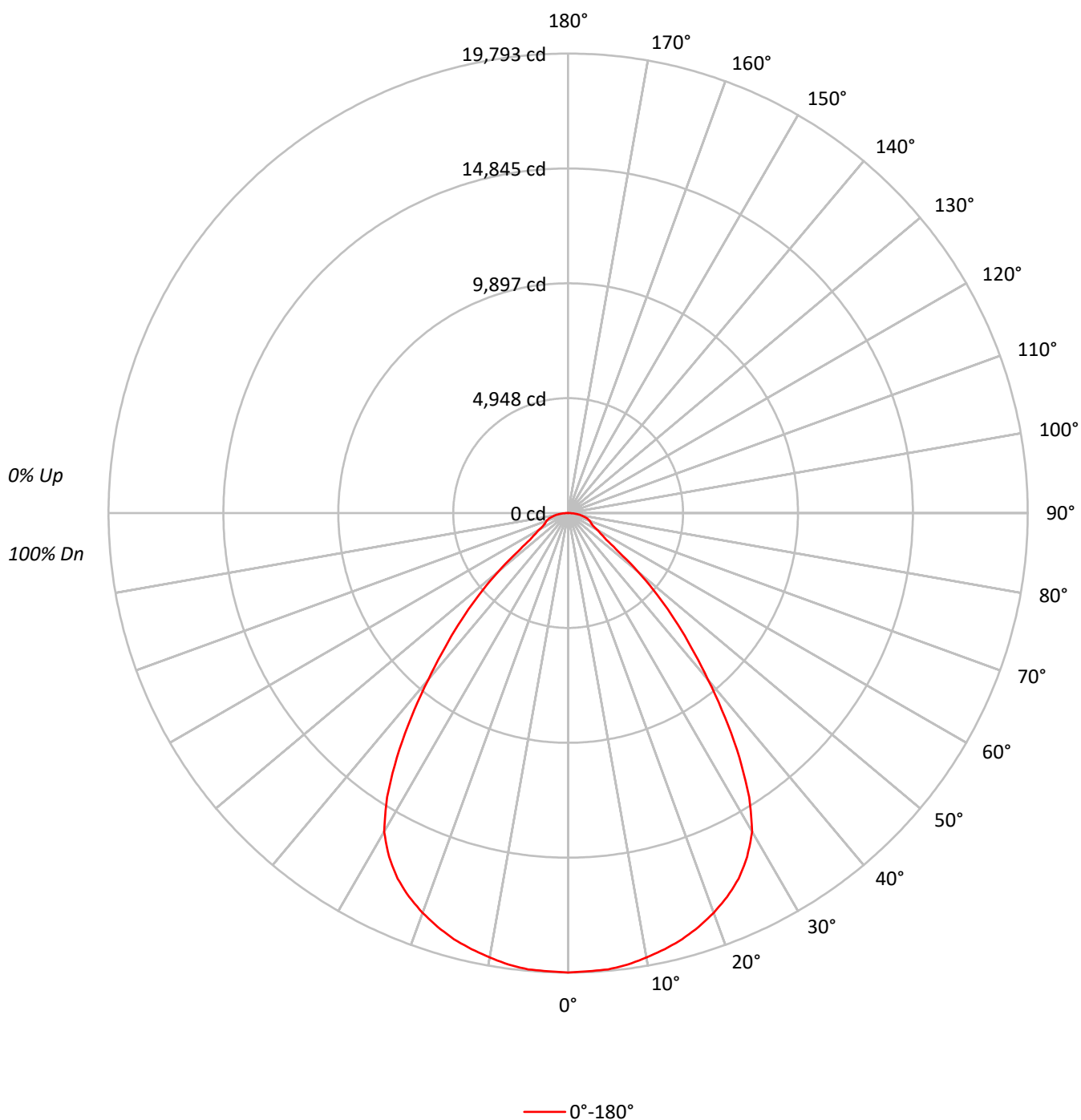
Lumens per Lamp: N/A
Luminaire Lumens: 32458.3 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 237.6
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	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°	126101
5°	126199
10°	125728
15°	125334
20°	124249
25°	122135
30°	116573
35°	100010
40°	77901
45°	58379
50°	39143
55°	22129
60°	18359
65°	16830
70°	18472
75°	19969
80°	20939
85°	21068

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 58379 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1873.9	5.8
10°-20°	5356.6	16.5
20°-30°	7956.9	24.5
30°-40°	7939.5	24.5
40°-50°	5009.1	15.4
50°-60°	2022.0	6.2
60°-70°	1142.7	3.5
70°-80°	845.0	2.6
80°-90°	312.6	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°	15187.4	46.8
0°-40°	23126.9	71.3
0°-60°	30158.1	92.9
0°-90°	32458.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32458.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19793	
5°	19732	###
15°	19002	5357
25°	17374	7957
35°	12858	7940
45°	6479	5009
55°	1992	2022
65°	1116	1143
75°	811	845
85°	288	313
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	19792.6
2.5°	19754.1
5°	19732.5
7.5°	19623.6
10°	19434.1
12.5°	19240.1
15°	19001.9
17.5°	18689.9
20°	18325.7
22.5°	17893.5
25°	17373.9
27.5°	16695.4
30°	15845.7
32.5°	14505.8
35°	12858.5
37.5°	11098.9
40°	9366.5
42.5°	7830.4
45°	6479.2
47.5°	5197.2
50°	3949.2
52.5°	2728.5
55°	1992.2
57.5°	1689.3
60°	1440.8
62.5°	1232.1
65°	1116.4
67.5°	1050.6
70°	991.6
72.5°	912.1
75°	811.2
77.5°	696.6
80°	570.7
82.5°	433.4
85°	288.2
87.5°	141.8
90°	0.0

(END OF REPORT)