

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: P1505625

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (3500K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505625
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-123)
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 (3500K_L36_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

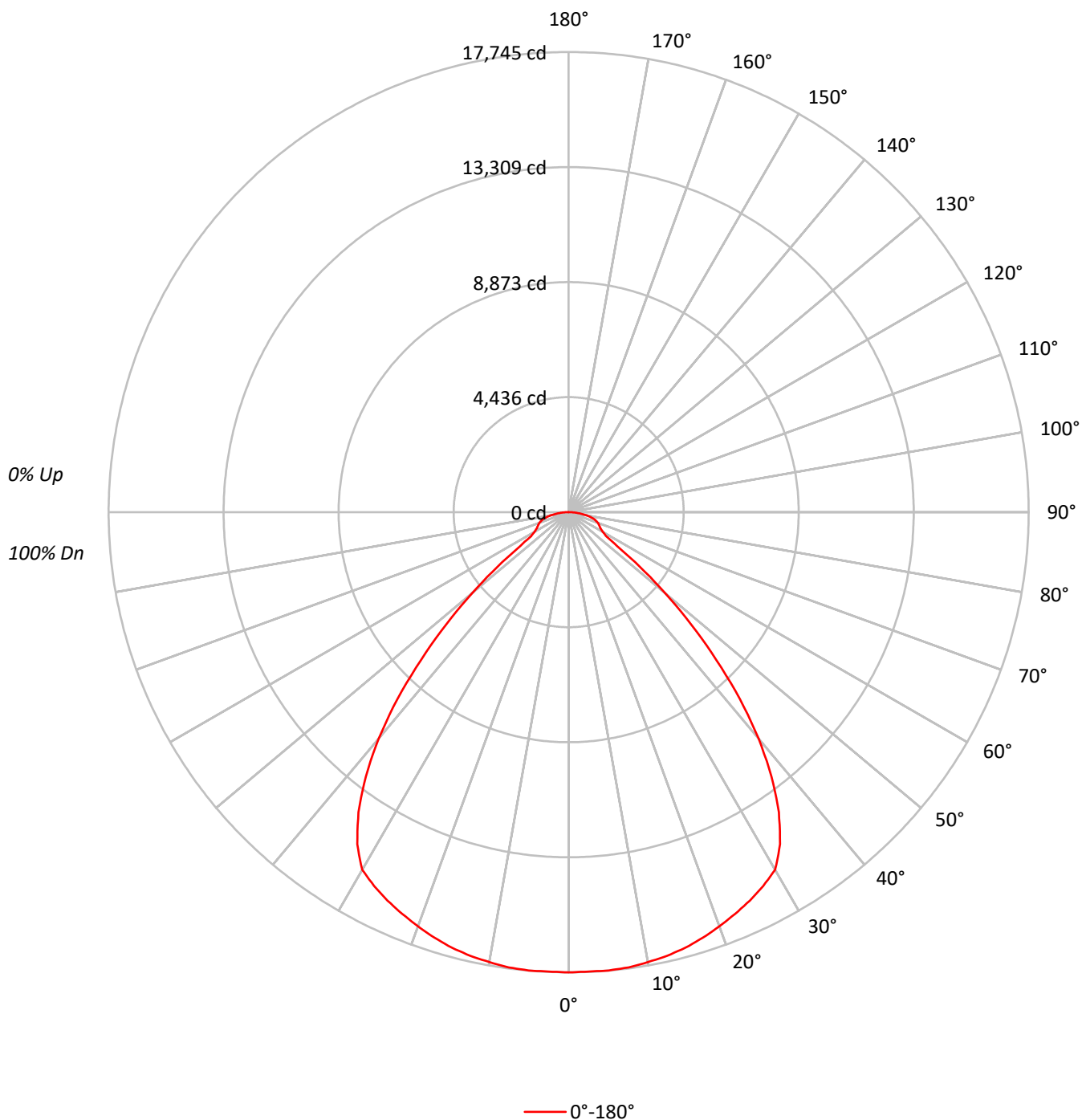
Lumens per Lamp: N/A
Luminaire Lumens: 34211.4 lumens
Efficiency: N/A
Efficacy: 145.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.25
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 235.4
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	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89		
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78		
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	64	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55		
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50		
7	73	61	53	48	71	60	53	48	59	52	48	57	52	47	56	51	47	45		
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41		
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	38		
10	60	48	41	36	59	48	41	36	47	41	36	46	40	36	45	40	36	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	113054
5°	113449
10°	113978
15°	114696
20°	115210
25°	116194
30°	117143
35°	109905
40°	94785
45°	72573
50°	48150
55°	25191
60°	19433
65°	19960
70°	22326
75°	24552
80°	25419
85°	24306

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 72573 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1689.4	4.9
10°-20°	4910.9	14.4
20°-30°	7623.5	22.3
30°-40°	8711.1	25.5
40°-50°	6197.8	18.1
50°-60°	2352.0	6.9
60°-70°	1325.4	3.9
70°-80°	1032.7	3.0
80°-90°	368.5	1.1
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°	14223.8	41.6
0°-40°	22934.9	67.0
0°-60°	31484.7	92.0
0°-90°	34211.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34211.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17745	
5°	17739	###
15°	17389	4911
25°	16529	7623
35°	14131	8711
45°	8055	6198
55°	2268	2352
65°	1324	1325
75°	997	1033
85°	332	368
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17744.7
2.5°	17728.4
5°	17738.9
7.5°	17704.0
10°	17618.0
12.5°	17521.5
15°	17389.0
17.5°	17208.8
20°	16992.6
22.5°	16769.4
25°	16528.8
27.5°	16248.6
30°	15923.2
32.5°	15175.7
35°	14130.7
37.5°	12856.6
40°	11396.6
42.5°	9773.8
45°	8054.6
47.5°	6416.7
50°	4857.9
52.5°	3451.3
55°	2267.9
57.5°	1706.5
60°	1525.1
62.5°	1399.6
65°	1324.0
67.5°	1263.6
70°	1198.5
72.5°	1110.1
75°	997.4
77.5°	859.0
80°	692.8
82.5°	513.8
85°	332.5
87.5°	161.6
90°	0.0

(END OF REPORT)