

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: P1505283

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (5000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505283
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-111)
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 (5000K_L36_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

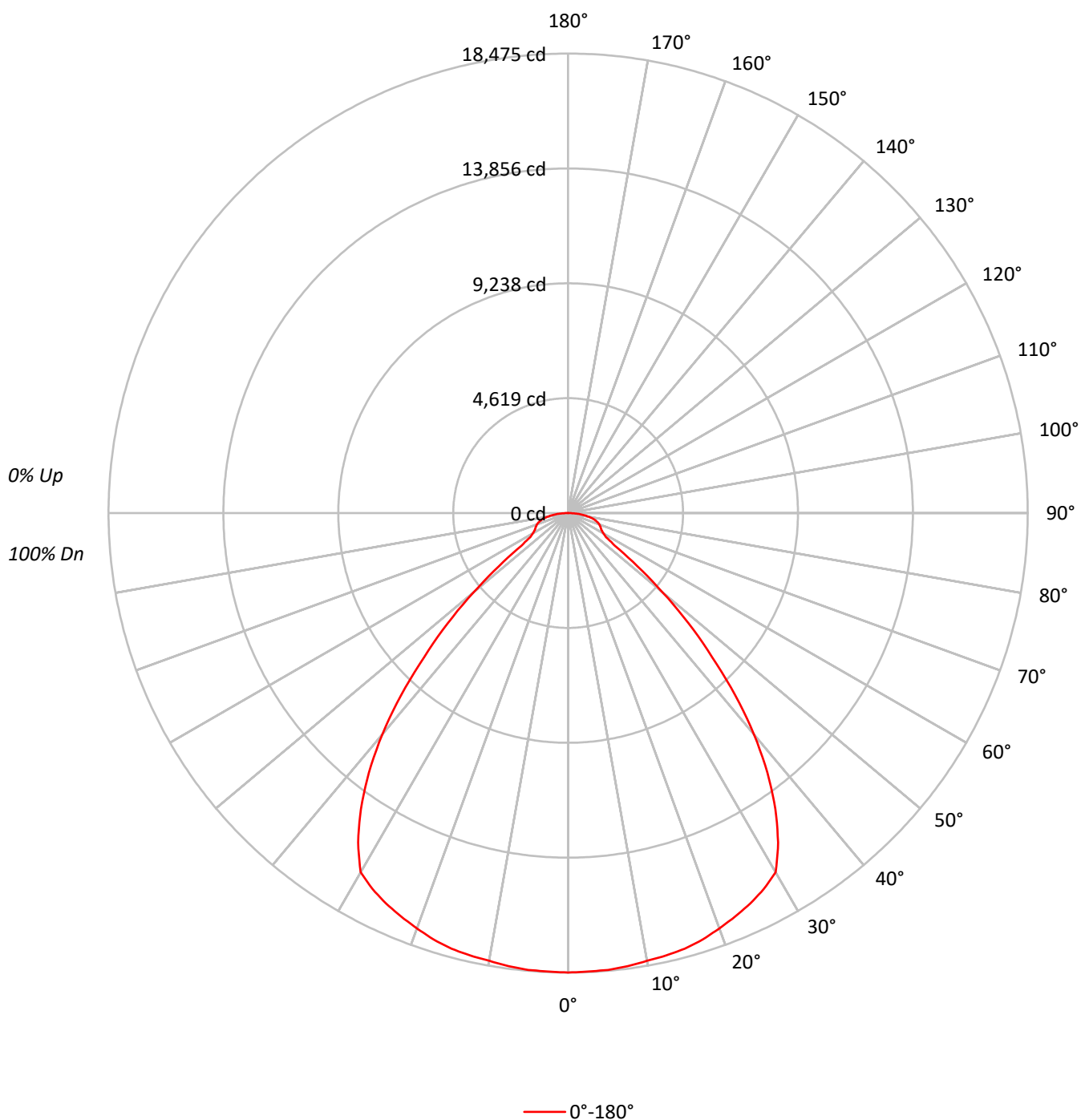
Lumens per Lamp: N/A
Luminaire Lumens: 35652.0 lumens
Efficiency: N/A
Efficacy: 152.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78		
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69		
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62		
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55		
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50		
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	45		
8	68	56	49	43	67	55	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	43	39	48	43	39	37		
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°	123246
5°	123464
10°	123841
15°	125200
20°	126139
25°	127506
30°	128482
35°	118299
40°	101298
45°	77164
50°	51431
55°	26575
60°	21822
65°	22927
70°	25998
75°	29321
80°	31932
85°	31948

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 77164 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1754.8	4.9
10°-20°	5120.0	14.4
20°-30°	7986.2	22.4
30°-40°	8976.4	25.2
40°-50°	6316.6	17.7
50°-60°	2413.4	6.8
60°-70°	1450.3	4.1
70°-80°	1180.4	3.3
80°-90°	453.9	1.3
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°	14861.0	41.7
0°-40°	23837.4	66.9
0°-60°	32567.4	91.3
0°-90°	35652.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35652.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18475	
5°	18437	###
15°	18128	5120
25°	17323	7986
35°	14526	8976
45°	8179	6317
55°	2285	2413
65°	1452	1450
75°	1138	1180
85°	417	454
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	18475.1
2.5°	18447.1
5°	18437.3
7.5°	18376.3
10°	18282.3
12.5°	18216.4
15°	18128.5
17.5°	17979.6
20°	17768.4
22.5°	17556.0
25°	17322.9
27.5°	17037.3
30°	16679.6
32.5°	15710.5
35°	14526.5
37.5°	13158.2
40°	11632.4
42.5°	9951.6
45°	8179.3
47.5°	6566.9
50°	4955.7
52.5°	3501.9
55°	2285.0
57.5°	1806.5
60°	1635.6
62.5°	1519.7
65°	1452.5
67.5°	1395.2
70°	1332.9
72.5°	1248.7
75°	1137.6
77.5°	1002.1
80°	831.2
82.5°	631.1
85°	417.4
87.5°	203.8
90°	0.0

(END OF REPORT)