

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: P1505147

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (5000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505147
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-103)
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-BLAK-PS (5000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

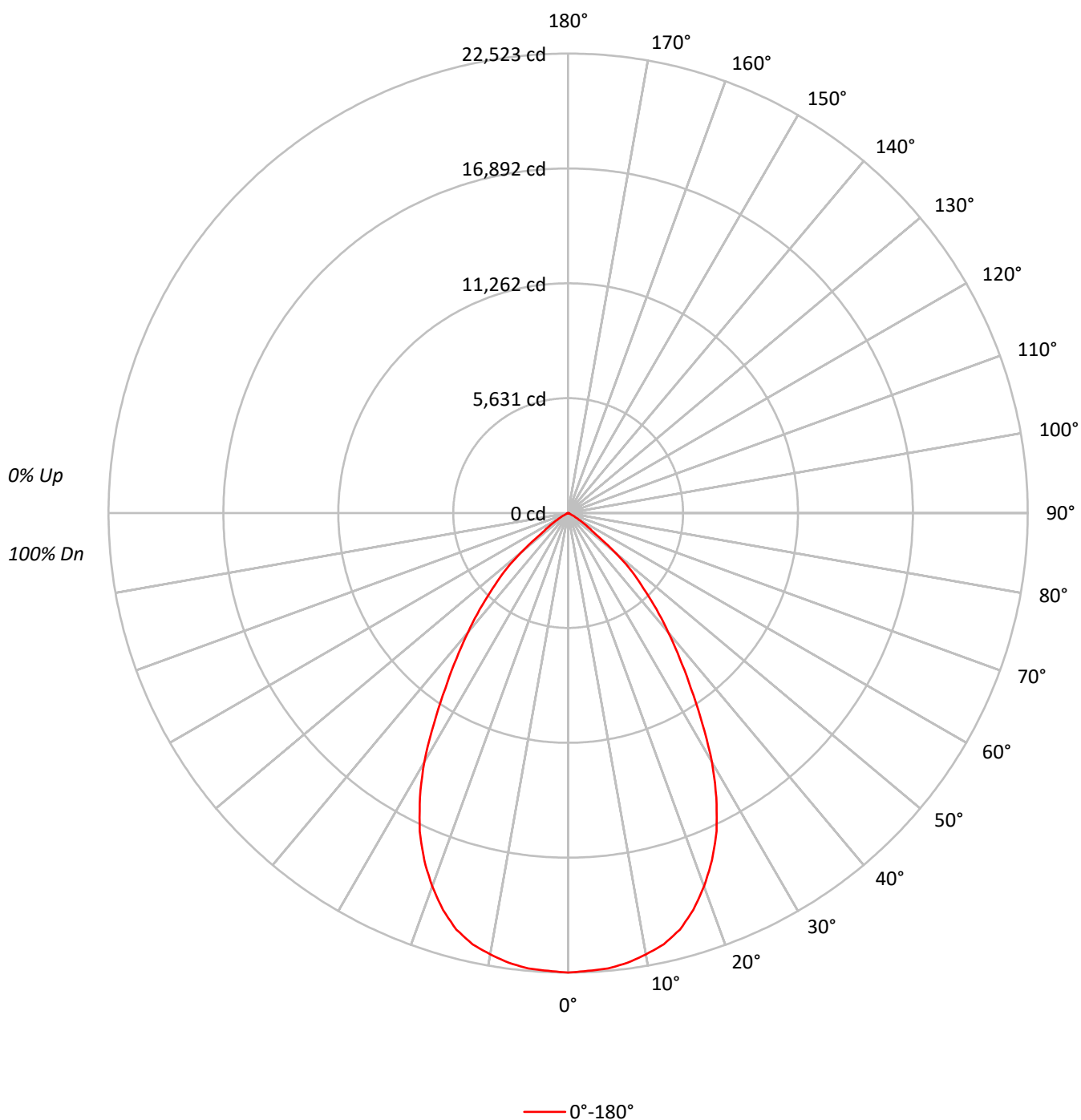
Lumens per Lamp: N/A
Luminaire Lumens: 27856.0 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

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				0
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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92			
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84			
3	100	93	87	83	98	92	87	82	89	85	81	86	83	80	84	81	79	77			
4	94	86	80	75	92	85	79	74	82	77	74	80	76	73	78	75	72	70			
5	89	79	73	68	87	78	72	68	77	71	67	75	70	66	73	69	66	64			
6	84	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	61	59			
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54			
8	74	64	57	53	73	63	57	52	62	56	52	61	56	52	60	55	52	50			
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	51	48	47			
10	67	56	49	45	65	55	49	45	55	49	45	54	49	45	53	48	45	43			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	150247
5°	150036
10°	148770
15°	146013
20°	138226
25°	126607
30°	108653
35°	85466
40°	66381
45°	49332
50°	31795
55°	13416
60°	5423
65°	1252
70°	737
75°	786
80°	845
85°	842

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49332 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2124.4	7.6
10°-20°	5909.6	21.2
20°-30°	7811.5	28.0
30°-40°	6604.6	23.7
40°-50°	4063.9	14.6
50°-60°	1168.4	4.2
60°-70°	129.9	0.5
70°-80°	31.7	0.1
80°-90°	12.0	0.0
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°	15845.5	56.9
0°-40°	22450.1	80.6
0°-60°	27682.4	99.4
0°-90°	27856.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27856.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22523	
5°	22406	###
15°	21142	5910
25°	17201	7811
35°	10495	6605
45°	5229	4064
55°	1154	1168
65°	79	130
75°	30	32
85°	11	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	22522.7
2.5°	22458.0
5°	22405.5
7.5°	22235.8
10°	21962.4
12.5°	21647.5
15°	21142.2
17.5°	20392.7
20°	19471.1
22.5°	18420.2
25°	17200.8
27.5°	15725.1
30°	14105.4
32.5°	12229.3
35°	10494.8
37.5°	8972.7
40°	7622.7
42.5°	6404.5
45°	5229.1
47.5°	4256.3
50°	3063.7
52.5°	1652.7
55°	1153.5
57.5°	756.8
60°	406.5
62.5°	186.8
65°	79.3
67.5°	43.9
70°	37.8
72.5°	34.2
75°	30.5
77.5°	25.6
80°	22.0
82.5°	15.9
85°	11.0
87.5°	6.1
90°	0.0

(END OF REPORT)