

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: P1505129

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (3500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505129
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 (3500K_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

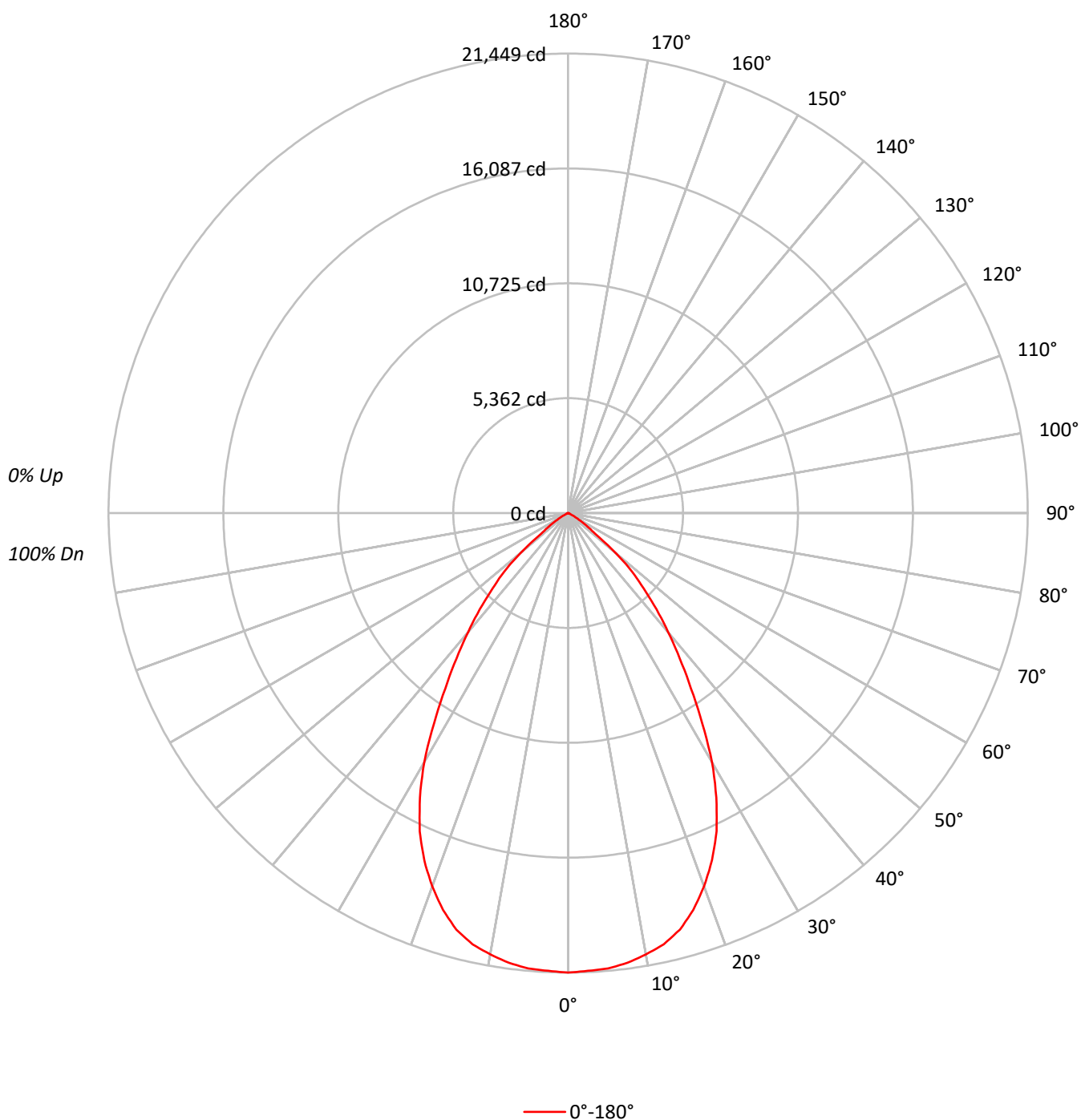
Lumens per Lamp: N/A
Luminaire Lumens: 26528.6 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1505129

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (3500K_L36_Narrow_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1505129

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (3500K_L36_Narrow_120V)

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°	143087
5°	142887
10°	141681
15°	139055
20°	131640
25°	120575
30°	103475
35°	81394
40°	63218
45°	46981
50°	30280
55°	12776
60°	5165
65°	1193
70°	702
75°	750
80°	803
85°	804

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 46981 cd/sqm

TEST NUMBER: P1505129

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (3500K_L36_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2023.2	7.6
10°-20°	5628.0	21.2
20°-30°	7439.3	28.0
30°-40°	6289.9	23.7
40°-50°	3870.2	14.6
50°-60°	1112.7	4.2
60°-70°	123.7	0.5
70°-80°	30.2	0.1
80°-90°	11.4	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°	15090.5	56.9
0°-40°	21380.3	80.6
0°-60°	26363.2	99.4
0°-90°	26528.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26528.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21449	
5°	21338	###
15°	20135	5628
25°	16381	7439
35°	9995	6290
45°	4980	3870
55°	1098	1113
65°	76	124
75°	29	30
85°	10	11
90°	0	

TEST NUMBER: P1505129

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (3500K_L36_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	21449.4
2.5°	21387.8
5°	21337.8
7.5°	21176.2
10°	20915.9
12.5°	20616.0
15°	20134.7
17.5°	19421.0
20°	18543.3
22.5°	17542.4
25°	16381.2
27.5°	14975.8
30°	13433.2
32.5°	11646.5
35°	9994.7
37.5°	8545.1
40°	7259.5
42.5°	6099.3
45°	4979.9
47.5°	4053.4
50°	2917.7
52.5°	1573.9
55°	1098.5
57.5°	720.7
60°	387.1
62.5°	177.9
65°	75.6
67.5°	41.8
70°	36.0
72.5°	32.5
75°	29.1
77.5°	24.4
80°	20.9
82.5°	15.1
85°	10.5
87.5°	5.8
90°	0.0

(END OF REPORT)