

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: P1505119

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505119
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-104)
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 (3000K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

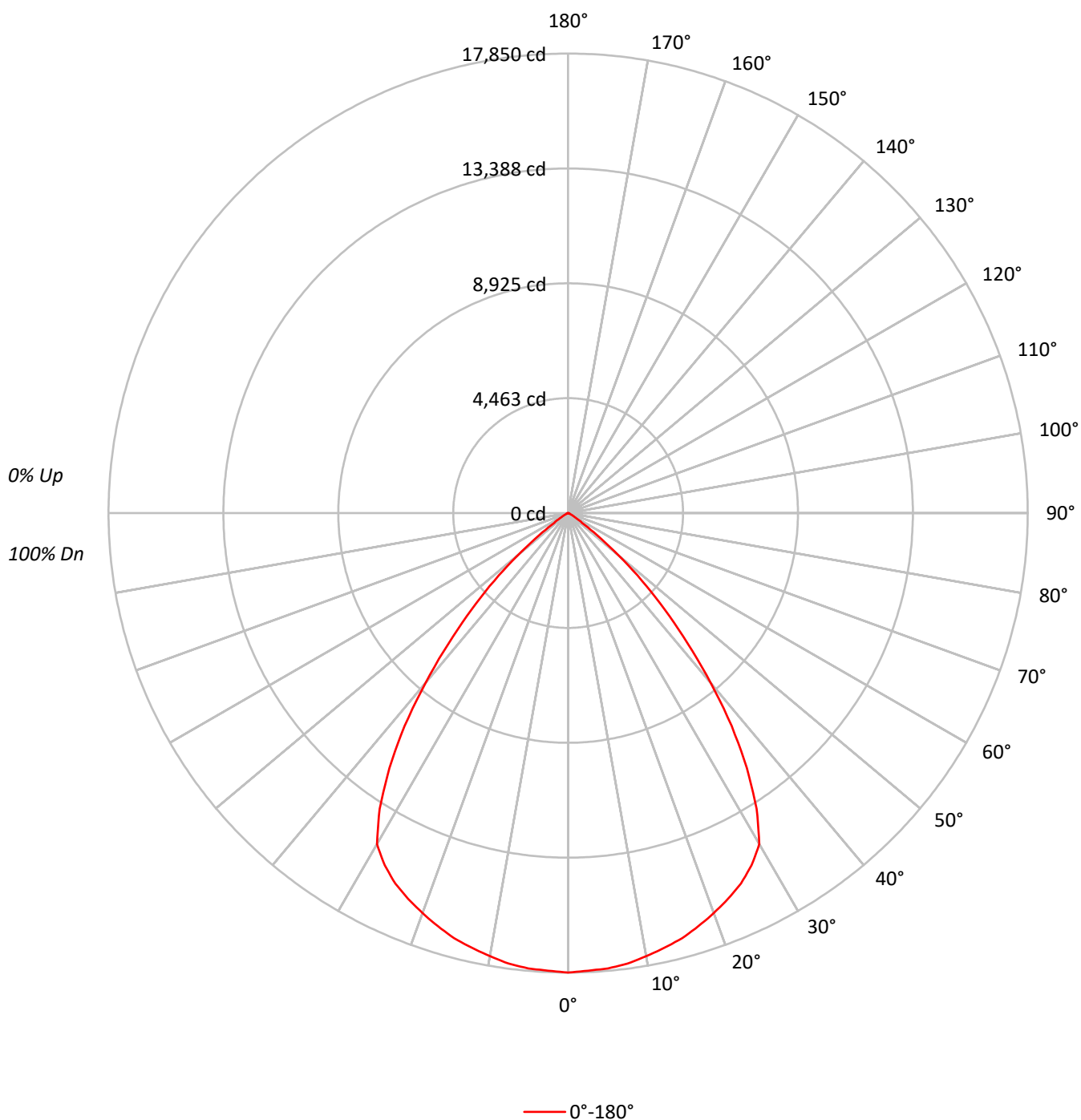
Lumens per Lamp: N/A
Luminaire Lumens: 26366.5 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

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	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92		
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	85	84		
3	100	92	87	82	98	91	86	82	88	84	80	86	82	79	84	80	78	76		
4	94	85	79	74	92	84	78	73	82	77	73	80	75	72	78	74	71	69		
5	88	78	72	67	86	77	71	66	76	70	66	74	69	65	72	68	65	63		
6	83	72	66	61	81	72	65	60	70	64	60	69	63	60	67	63	59	58		
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	63	58	54	53		
8	73	62	55	51	72	62	55	51	60	55	50	59	54	50	58	54	50	48		
9	69	58	51	47	68	57	51	47	56	51	46	55	50	46	55	50	46	45		
10	65	54	48	43	64	54	47	43	53	47	43	52	47	43	51	46	43	41		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	119079
5°	118910
10°	118387
15°	118092
20°	117402
25°	116875
30°	114359
35°	98507
40°	74986
45°	49876
50°	26691
55°	7600
60°	3390
65°	1056
70°	796
75°	876
80°	960
85°	1041

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49876 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1686.2	6.4
10°-20°	4821.9	18.3
20°-30°	7293.5	27.7
30°-40°	7442.2	28.2
40°-50°	4125.6	15.6
50°-60°	852.9	3.2
60°-70°	94.5	0.4
70°-80°	35.6	0.1
80°-90°	14.2	0.1
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°	13801.6	52.3
0°-40°	21243.7	80.6
0°-60°	26222.2	99.5
0°-90°	26366.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26366.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17850	
5°	17757	###
15°	17099	4822
25°	15879	7293
35°	12096	7442
45°	5287	4126
55°	654	853
65°	67	94
75°	34	36
85°	14	14
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	17850.4
2.5°	17792.5
5°	17757.3
7.5°	17654.1
10°	17477.1
12.5°	17296.7
15°	17099.3
17.5°	16829.3
20°	16537.7
22.5°	16224.6
25°	15878.6
27.5°	15427.1
30°	14846.2
32.5°	13620.9
35°	12096.1
37.5°	10431.8
40°	8610.9
42.5°	6868.3
45°	5286.8
47.5°	3890.2
50°	2571.9
52.5°	1398.8
55°	653.5
57.5°	420.9
60°	254.1
62.5°	125.9
65°	66.9
67.5°	45.4
70°	40.8
72.5°	37.4
75°	34.0
77.5°	30.6
80°	25.0
82.5°	19.3
85°	13.6
87.5°	6.8
90°	0.0

(END OF REPORT)