

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: P1505152

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (6500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505152
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 (6500K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

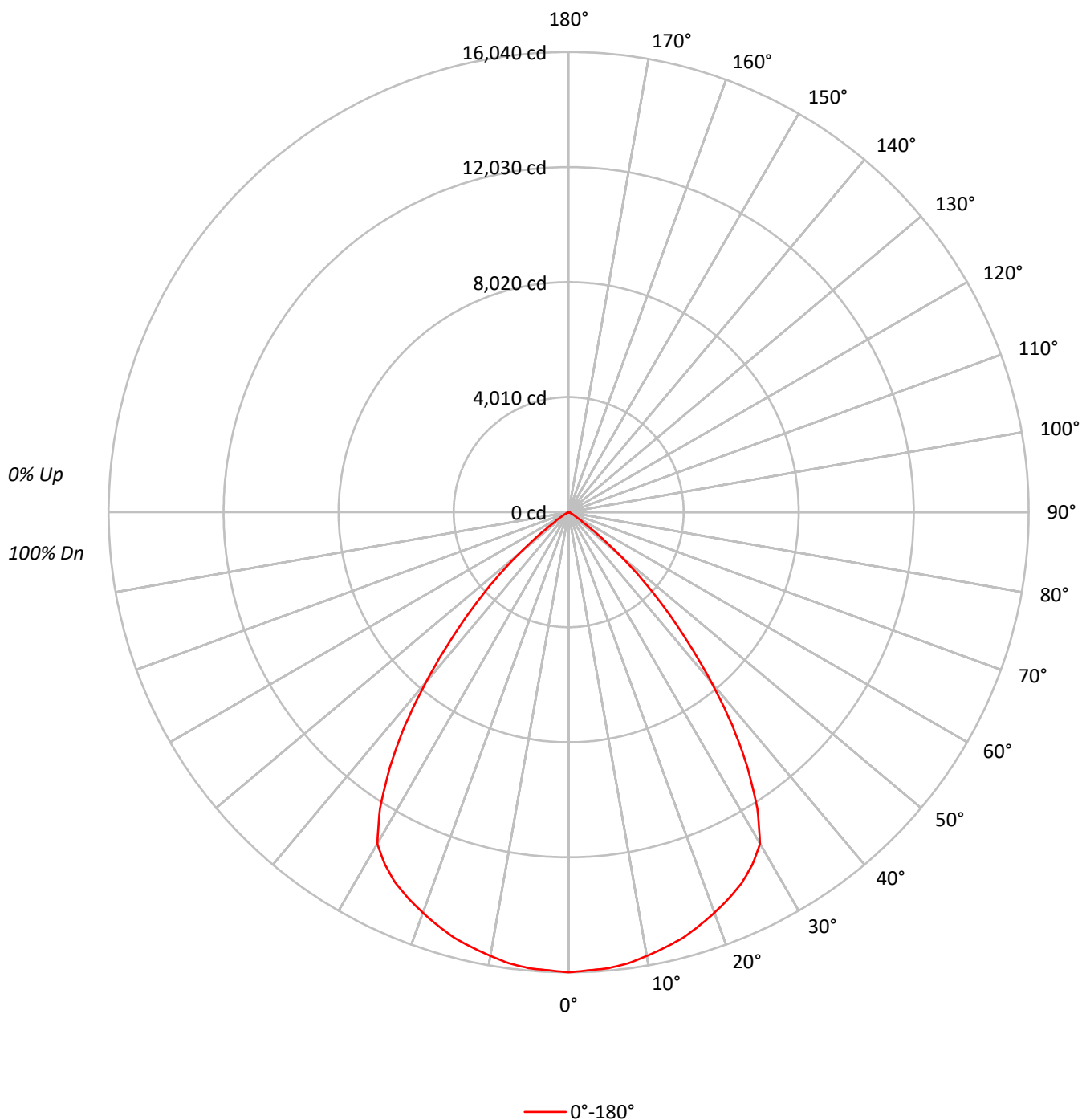
Lumens per Lamp: N/A
Luminaire Lumens: 23692.4 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 200.1
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°	107001
5°	106850
10°	106380
15°	106115
20°	105495
25°	105021
30°	102761
35°	88516
40°	67381
45°	44818
50°	23985
55°	6829
60°	3047
65°	949
70°	716
75°	789
80°	861
85°	934

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44818 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1515.2	6.4
10°-20°	4332.9	18.3
20°-30°	6553.7	27.7
30°-40°	6687.4	28.2
40°-50°	3707.2	15.6
50°-60°	766.4	3.2
60°-70°	84.9	0.4
70°-80°	32.0	0.1
80°-90°	12.7	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°	12401.8	52.3
0°-40°	19089.2	80.6
0°-60°	23562.7	99.5
0°-90°	23692.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23692.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16040	
5°	15956	###
15°	15365	4333
25°	14268	6554
35°	10869	6687
45°	4751	3707
55°	587	766
65°	60	85
75°	31	32
85°	12	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16039.9
2.5°	15987.9
5°	15956.3
7.5°	15863.6
10°	15704.5
12.5°	15542.5
15°	15365.1
17.5°	15122.4
20°	14860.4
22.5°	14579.1
25°	14268.1
27.5°	13862.4
30°	13340.5
32.5°	12239.5
35°	10869.3
37.5°	9373.8
40°	7737.6
42.5°	6171.7
45°	4750.6
47.5°	3495.7
50°	2311.1
52.5°	1257.0
55°	587.2
57.5°	378.2
60°	228.4
62.5°	113.2
65°	60.1
67.5°	40.8
70°	36.7
72.5°	33.6
75°	30.6
77.5°	27.5
80°	22.4
82.5°	17.3
85°	12.2
87.5°	6.1
90°	0.0

(END OF REPORT)