

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: P1505116

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (3000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505116
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_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

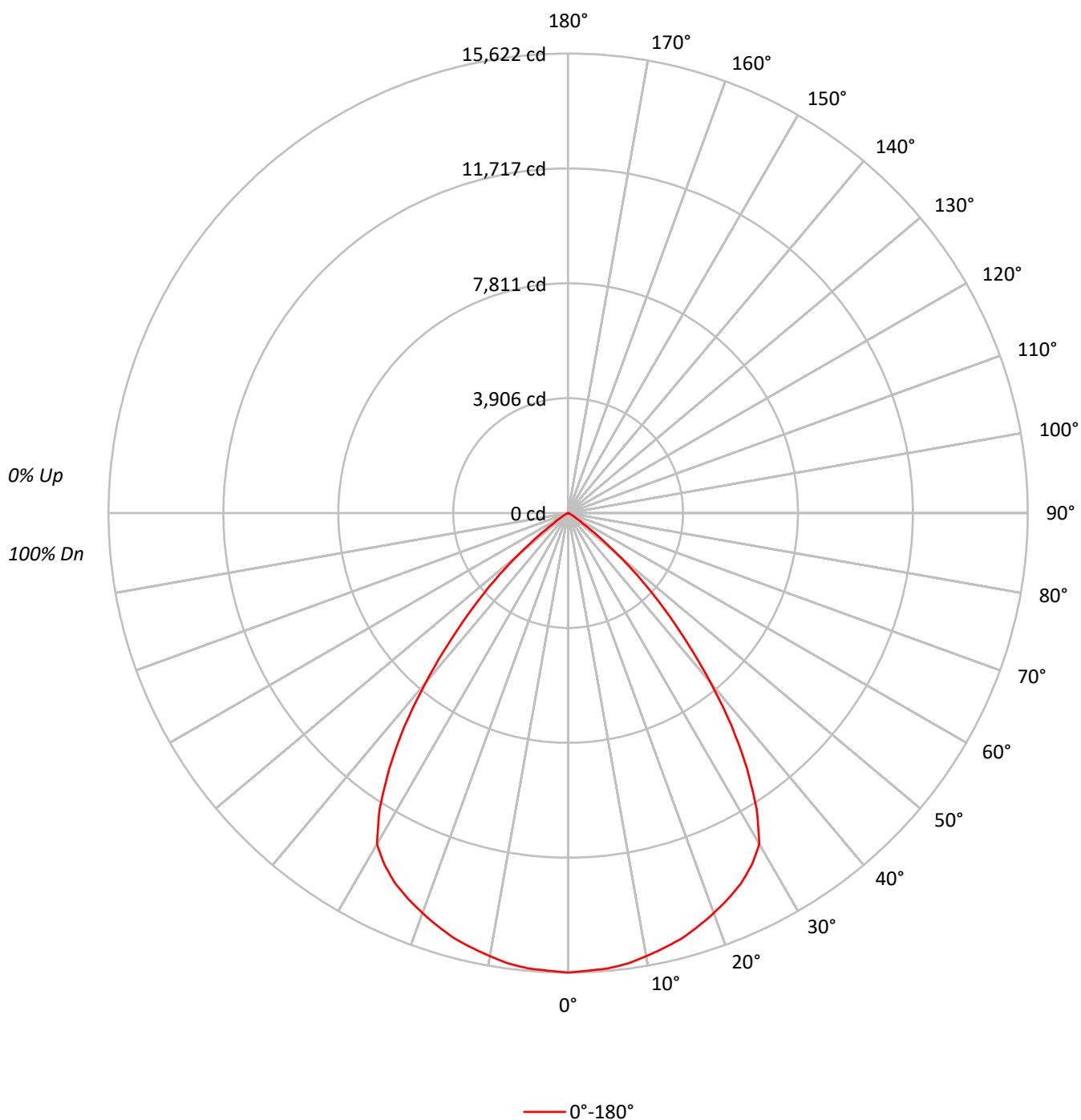
Lumens per Lamp: N/A
Luminaire Lumens: 23075.5 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 199.4
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

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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	50	30	10	50	30	10		
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°	104215
5°	104068
10°	103610
15°	103352
20°	102748
25°	102287
30°	100085
35°	86212
40°	65626
45°	43651
50°	23360
55°	6651
60°	2967
65°	925
70°	696
75°	768
80°	837
85°	911

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 43651 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1475.7	6.4
10°-20°	4220.0	18.3
20°-30°	6383.1	27.7
30°-40°	6513.2	28.2
40°-50°	3610.7	15.6
50°-60°	746.4	3.2
60°-70°	82.7	0.4
70°-80°	31.2	0.1
80°-90°	12.4	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°	12078.9	52.3
0°-40°	18592.1	80.6
0°-60°	22949.2	99.5
0°-90°	23075.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23075.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15622	
5°	15541	###
15°	14965	4220
25°	13897	6383
35°	10586	6513
45°	4627	3611
55°	572	746
65°	59	83
75°	30	31
85°	12	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15622.3
2.5°	15571.7
5°	15540.9
7.5°	15450.5
10°	15295.6
12.5°	15137.8
15°	14965.0
17.5°	14728.7
20°	14473.5
22.5°	14199.5
25°	13896.6
27.5°	13501.5
30°	12993.1
32.5°	11920.8
35°	10586.3
37.5°	9129.7
40°	7536.1
42.5°	6011.0
45°	4626.9
47.5°	3404.7
50°	2250.9
52.5°	1224.2
55°	571.9
57.5°	368.4
60°	222.4
62.5°	110.2
65°	58.6
67.5°	39.7
70°	35.7
72.5°	32.8
75°	29.8
77.5°	26.8
80°	21.8
82.5°	16.9
85°	11.9
87.5°	6.0
90°	0.0

(END OF REPORT)