

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: P1505154

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (6500K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505154
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-105)
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_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

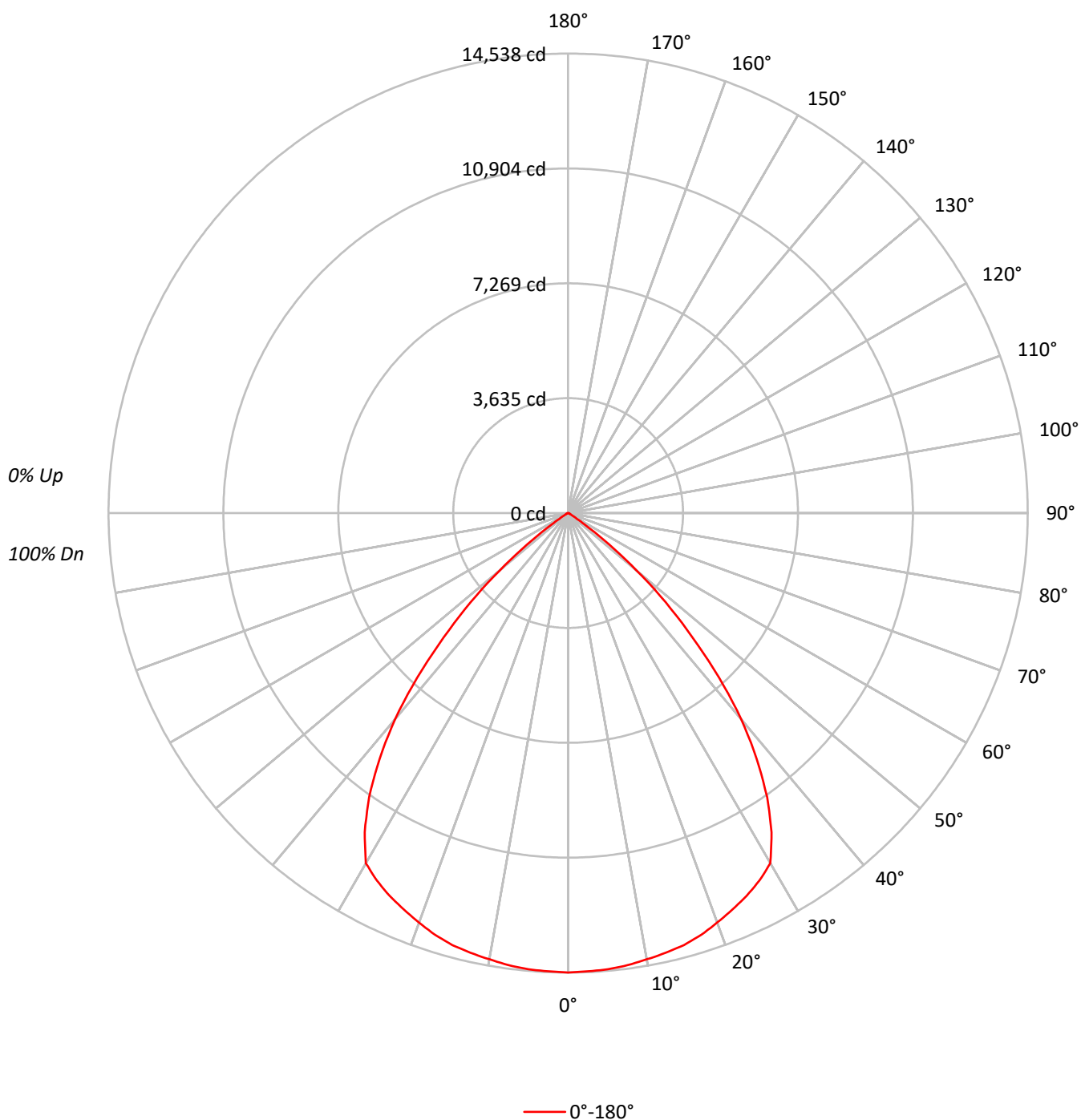
Lumens per Lamp: N/A
Luminaire Lumens: 23584.3 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.21
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

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	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	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	92							
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83							
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75							
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68							
5	87	77	71	66	85	76	70	65	74	69	65	73	68	64	71	67	63	62							
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56							
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51							
8	72	61	54	49	71	60	54	49	59	53	49	58	53	49	57	52	48	47							
9	68	57	50	45	67	56	49	45	55	49	45	54	49	45	53	48	44	43							
10	64	53	46	42	63	52	46	41	51	45	41	50	45	41	50	45	41	40							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	96984
5°	97040
10°	97112
15°	97723
20°	97889
25°	98351
30°	98543
35°	89330
40°	74146
45°	52522
50°	29348
55°	7292
60°	2081
65°	917
70°	776
75°	894
80°	980
85°	934

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52522 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1378.1	5.8
10°-20°	3993.0	16.9
20°-30°	6158.9	26.1
30°-40°	6762.5	28.7
40°-50°	4294.3	18.2
50°-60°	877.0	3.7
60°-70°	70.9	0.3
70°-80°	35.8	0.2
80°-90°	13.7	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°	11530.0	48.9
0°-40°	18292.5	77.6
0°-60°	23463.8	99.5
0°-90°	23584.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23584.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14538	
5°	14491	###
15°	14150	3993
25°	13362	6159
35°	10969	6763
45°	5567	4294
55°	627	877
65°	58	71
75°	35	36
85°	12	14
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14538.3
2.5°	14509.8
5°	14491.4
7.5°	14427.2
10°	14336.4
12.5°	14250.8
15°	14149.9
17.5°	13990.9
20°	13789.0
22.5°	13578.0
25°	13361.9
27.5°	13107.0
30°	12793.0
32.5°	11974.4
35°	10969.2
37.5°	9797.9
40°	8514.4
42.5°	7067.8
45°	5567.2
47.5°	4185.8
50°	2827.9
52.5°	1631.1
55°	627.0
57.5°	264.0
60°	156.0
62.5°	88.7
65°	58.1
67.5°	43.8
70°	39.8
72.5°	37.7
75°	34.7
77.5°	30.6
80°	25.5
82.5°	19.4
85°	12.2
87.5°	6.1
90°	0.0

(END OF REPORT)