

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: P1505133

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (4000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505133
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 (4000K_L24_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

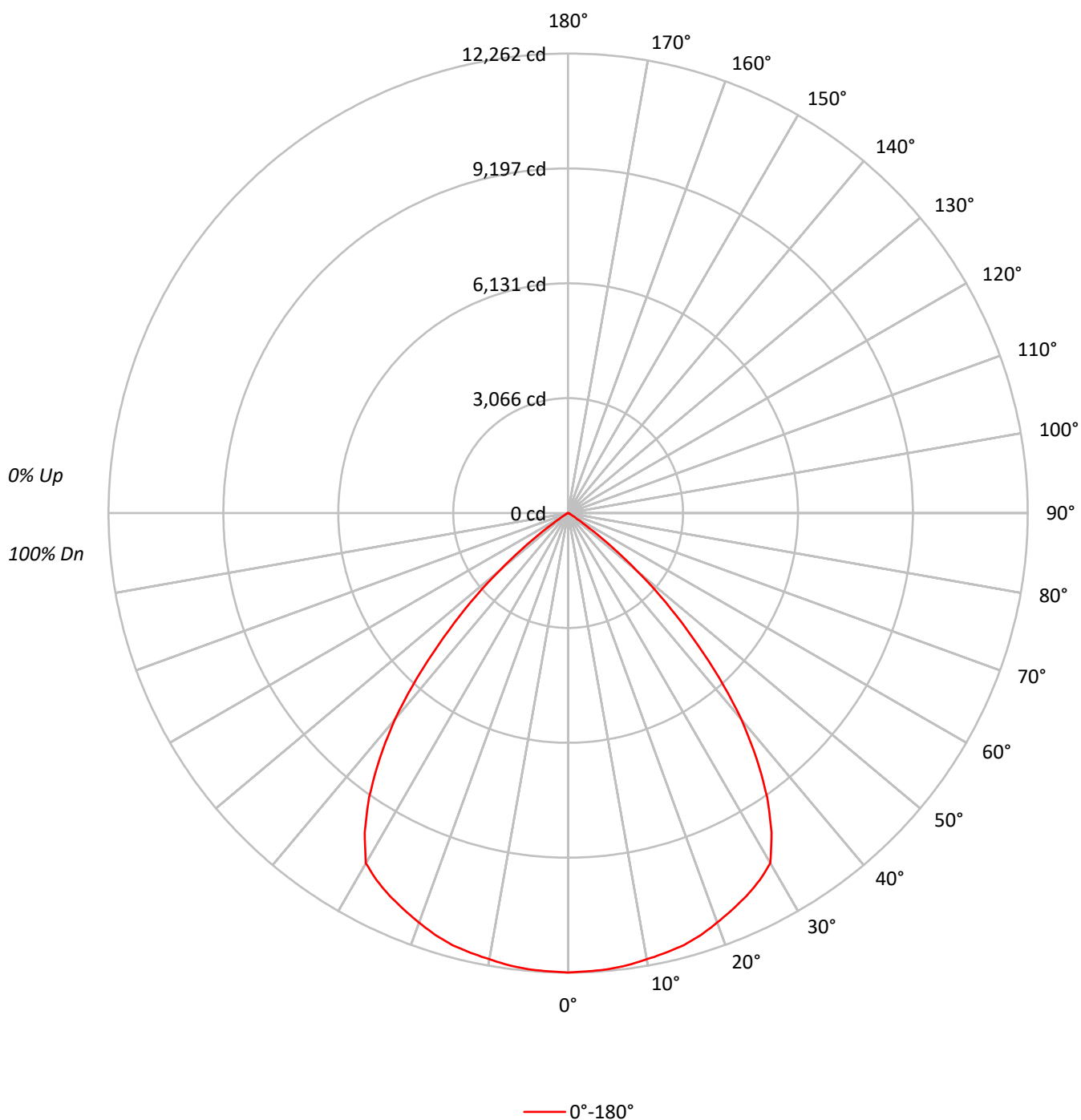
Lumens per Lamp: N/A
Luminaire Lumens: 19891.3 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.21
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 155.7
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	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°	81798
5°	81846
10°	81907
15°	82421
20°	82561
25°	82950
30°	83113
35°	75342
40°	62536
45°	44298
50°	24753
55°	6150
60°	1756
65°	773
70°	653
75°	753
80°	826
85°	788

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44298 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1162.3	5.8
10°-20°	3367.8	16.9
20°-30°	5194.5	26.1
30°-40°	5703.6	28.7
40°-50°	3621.9	18.2
50°-60°	739.7	3.7
60°-70°	59.8	0.3
70°-80°	30.2	0.2
80°-90°	11.6	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°	9724.6	48.9
0°-40°	15428.2	77.6
0°-60°	19789.7	99.5
0°-90°	19891.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19891.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12262	
5°	12222	###
15°	11934	3368
25°	11270	5194
35°	9252	5704
45°	4696	3622
55°	529	740
65°	49	60
75°	29	30
85°	10	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	12261.8
2.5°	12237.8
5°	12222.3
7.5°	12168.1
10°	12091.6
12.5°	12019.4
15°	11934.2
17.5°	11800.1
20°	11629.9
22.5°	11451.9
25°	11269.6
27.5°	11054.6
30°	10789.8
32.5°	10099.4
35°	9251.6
37.5°	8263.7
40°	7181.2
42.5°	5961.1
45°	4695.5
47.5°	3530.4
50°	2385.1
52.5°	1375.7
55°	528.8
57.5°	222.7
60°	131.6
62.5°	74.8
65°	49.0
67.5°	37.0
70°	33.5
72.5°	31.8
75°	29.2
77.5°	25.8
80°	21.5
82.5°	16.3
85°	10.3
87.5°	5.2
90°	0.0

(END OF REPORT)