

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: P1504943

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504943
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-79)
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-04-BLAK-PS (3500K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

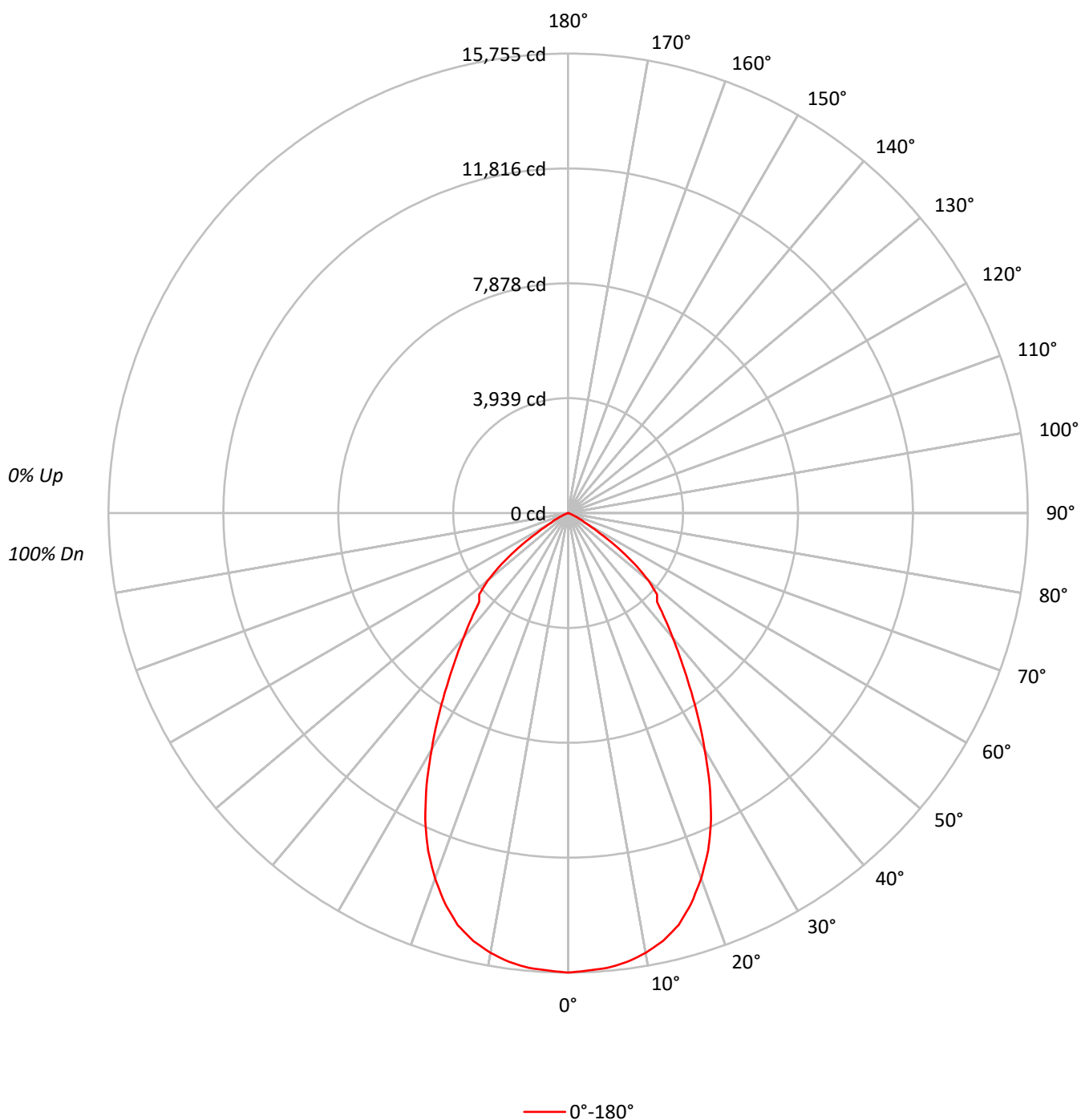
Lumens per Lamp: N/A
Luminaire Lumens: 21053.8 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 157.5
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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	81	97	90	84	80	87	82	79	84	81	77	82	79	76	74		
4	93	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	56		
7	76	66	58	54	75	65	58	53	63	57	53	62	57	53	61	56	52	51		
8	72	61	54	49	71	60	54	49	59	53	49	58	52	49	57	52	48	47		
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43		
10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	115606
5°	115283
10°	114079
15°	111093
20°	104059
25°	93835
30°	79266
35°	64952
40°	53412
45°	44680
50°	40912
55°	26718
60°	10603
65°	5205
70°	1354
75°	400
80°	490
85°	556

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 44843 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1483.1	7.0
10°-20°	4081.9	19.4
20°-30°	5264.6	25.0
30°-40°	4560.5	21.7
40°-50°	3450.2	16.4
50°-60°	1857.5	8.8
60°-70°	325.3	1.5
70°-80°	24.0	0.1
80°-90°	6.7	0.0
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°	10829.6	51.4
0°-40°	15390.1	73.1
0°-60°	20697.8	98.3
0°-90°	21053.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21053.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15755	
5°	15652	###
15°	14624	4082
25°	11590	5265
35°	7251	4560
45°	4306	3450
55°	2088	1858
65°	300	325
75°	14	24
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15755.3
2.5°	15699.6
5°	15651.5
7.5°	15521.1
10°	15311.0
12.5°	15025.4
15°	14624.3
17.5°	14034.7
20°	13326.3
22.5°	12534.1
25°	11590.0
27.5°	10499.6
30°	9355.4
32.5°	8272.5
35°	7251.1
37.5°	6346.0
40°	5576.2
42.5°	4905.2
45°	4305.7
47.5°	4128.8
50°	3584.0
52.5°	2863.2
55°	2088.5
57.5°	1290.5
60°	722.5
62.5°	485.8
65°	299.8
67.5°	149.5
70°	63.1
72.5°	26.6
75°	14.1
77.5°	13.3
80°	11.6
82.5°	9.1
85°	6.6
87.5°	3.3
90°	0.0

(END OF REPORT)