

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: P1504935

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504935
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-81)
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 (3000K_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

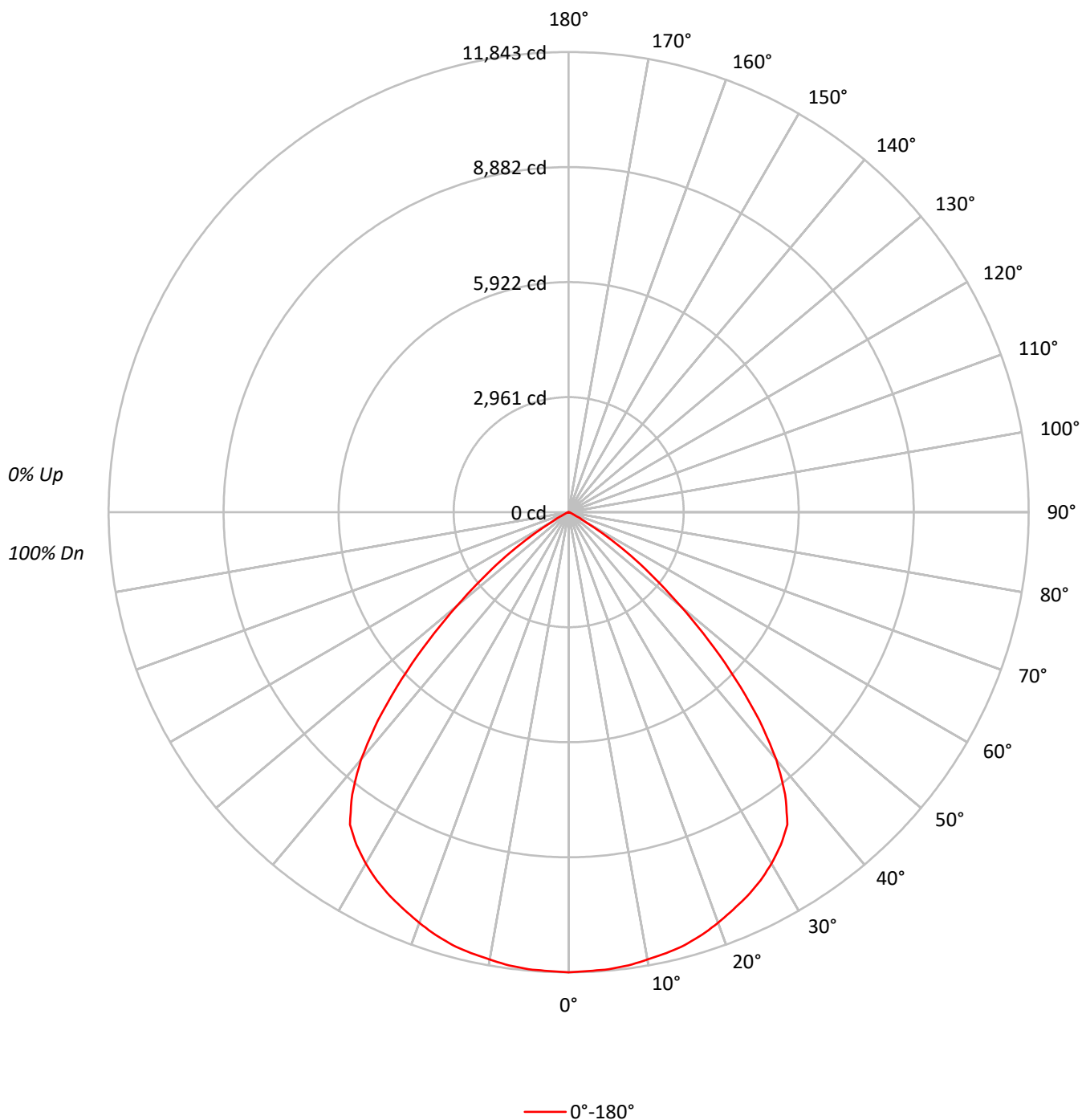
Lumens per Lamp: N/A
Luminaire Lumens: 22044.1 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.29
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 159.4
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	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	103	110	107	104	102	103	100	99	99	97	96	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81		
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73		
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65		
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48		
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39		
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	86899
5°	86982
10°	87096
15°	87633
20°	87818
25°	88208
30°	88494
35°	87919
40°	79632
45°	63077
50°	42794
55°	24845
60°	7361
65°	2379
70°	815
75°	490
80°	592
85°	766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63077 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1123.4	5.1
10°-20°	3255.8	14.8
20°-30°	5022.9	22.8
30°-40°	6021.8	27.3
40°-50°	4647.2	21.1
50°-60°	1767.8	8.0
60°-70°	174.3	0.8
70°-80°	21.6	0.1
80°-90°	9.1	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°	9402.2	42.7
0°-40°	15424.0	70.0
0°-60°	21839.0	99.1
0°-90°	22044.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22044.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11843	
5°	11809	###
15°	11536	3256
25°	10895	5023
35°	9815	6022
45°	6079	4647
55°	1942	1768
65°	137	174
75°	17	22
85°	9	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11842.9
2.5°	11819.0
5°	11809.1
7.5°	11765.4
10°	11689.5
12.5°	11621.8
15°	11536.0
17.5°	11406.5
20°	11246.4
22.5°	11069.1
25°	10895.0
27.5°	10689.6
30°	10444.5
32.5°	10158.3
35°	9815.1
37.5°	9152.6
40°	8313.6
42.5°	7263.3
45°	6078.6
47.5°	4883.2
50°	3748.8
52.5°	2779.4
55°	1942.1
57.5°	1159.1
60°	501.6
62.5°	231.0
65°	137.0
67.5°	75.1
70°	38.0
72.5°	23.1
75°	17.3
77.5°	15.7
80°	14.0
82.5°	12.4
85°	9.1
87.5°	5.0
90°	0.0

(END OF REPORT)