

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: P1504933

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504933
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-80)
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_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

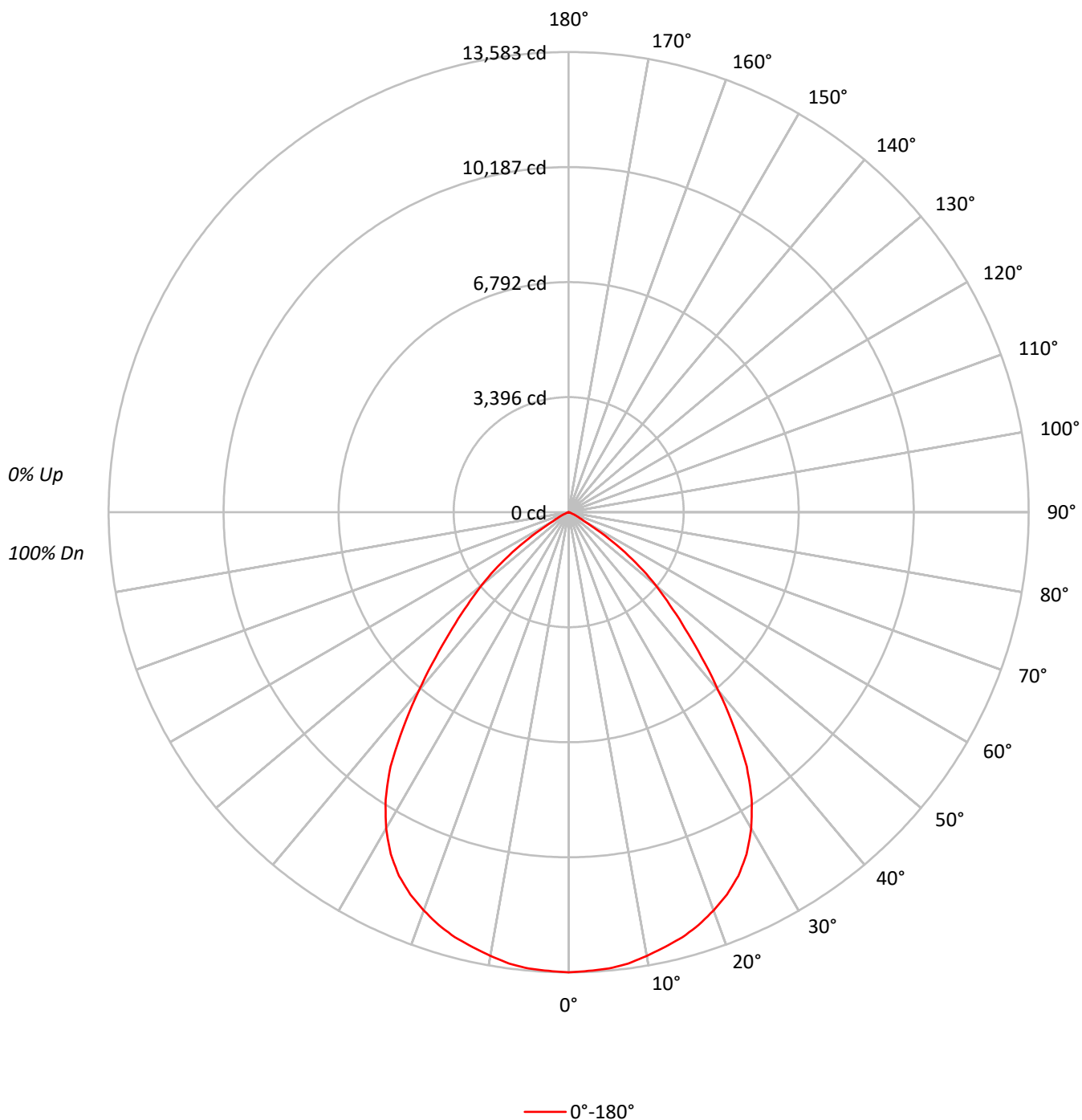
Lumens per Lamp: N/A
Luminaire Lumens: 21740.4 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

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					0
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	97	96	96	94	93	91			
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	79	76	74			
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	72	68	67			
5	86	76	69	64	84	75	69	64	73	67	63	71	66	62	70	65	62	60			
6	81	70	63	58	79	69	62	57	68	61	57	66	61	57	65	60	56	54			
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45			
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42			
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	99666
5°	99603
10°	99070
15°	98651
20°	97675
25°	95902
30°	91332
35°	82118
40°	65882
45°	50415
50°	38377
55°	24222
60°	7822
65°	3811
70°	1028
75°	397
80°	490
85°	556

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 50415 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1283.6	5.9
10°-20°	3660.1	16.8
20°-30°	5424.6	25.0
30°-40°	5619.5	25.8
40°-50°	3803.8	17.5
50°-60°	1683.0	7.7
60°-70°	238.0	1.1
70°-80°	21.1	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°	10368.4	47.7
0°-40°	15987.9	73.5
0°-60°	21474.6	98.8
0°-90°	21740.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21740.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13583	
5°	13523	###
15°	12986	3660
25°	11845	5425
35°	9167	5620
45°	4858	3804
55°	1893	1683
65°	220	238
75°	14	21
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13582.9
2.5°	13550.7
5°	13522.6
7.5°	13437.7
10°	13296.6
12.5°	13143.1
15°	12986.4
17.5°	12772.7
20°	12508.7
22.5°	12210.9
25°	11845.4
27.5°	11377.6
30°	10779.5
32.5°	10060.1
35°	9167.4
37.5°	8033.9
40°	6878.1
42.5°	5812.1
45°	4858.4
47.5°	4048.3
50°	3361.9
52.5°	2638.4
55°	1893.4
57.5°	1135.2
60°	533.0
62.5°	347.3
65°	219.5
67.5°	113.9
70°	47.9
72.5°	23.1
75°	14.0
77.5°	13.2
80°	11.6
82.5°	9.1
85°	6.6
87.5°	3.3
90°	0.0

(END OF REPORT)