

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: P1505336

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (6500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505336
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-91)
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-B-04-BLAK-PS (6500K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

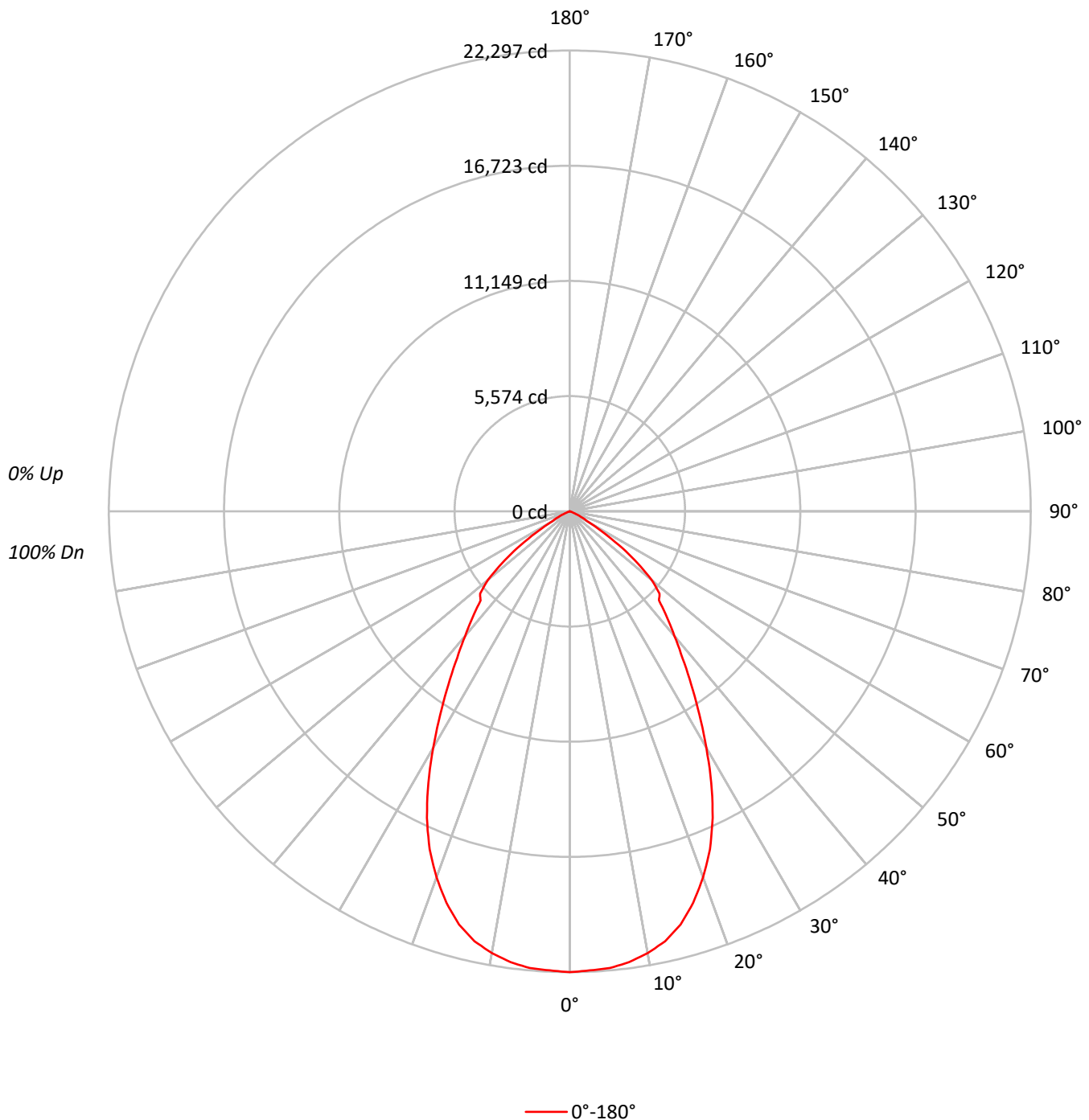
Lumens per Lamp: N/A
Luminaire Lumens: 29899.0 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 239.6
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	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51		
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	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	42	52	46	42	51	45	41	50	45	41	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	159686
5°	159504
10°	157829
15°	153469
20°	143662
25°	129243
30°	109180
35°	89440
40°	73633
45°	61756
50°	57492
55°	38740
60°	15087
65°	7526
70°	1962
75°	584
80°	676
85°	772

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 62451 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2101.9	7.0
10°-20°	5779.1	19.3
20°-30°	7433.1	24.9
30°-40°	6434.1	21.5
40°-50°	4902.7	16.4
50°-60°	2724.1	9.1
60°-70°	478.4	1.6
70°-80°	36.0	0.1
80°-90°	9.6	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°	15314.2	51.2
0°-40°	21748.3	72.7
0°-60°	29375.1	98.2
0°-90°	29899.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29899.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22297	
5°	22186	###
15°	20698	5779
25°	16355	7433
35°	10230	6434
45°	6097	4903
55°	3103	2724
65°	444	478
75°	21	36
85°	9	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	22296.7
2.5°	22232.2
5°	22186.5
7.5°	21999.1
10°	21702.6
12.5°	21304.3
15°	20698.5
17.5°	19854.9
20°	18849.6
22.5°	17707.3
25°	16355.2
27.5°	14814.5
30°	13202.2
32.5°	11668.5
35°	10229.8
37.5°	8950.3
40°	7875.9
42.5°	6951.5
45°	6097.3
47.5°	5891.1
50°	5160.0
52.5°	4145.3
55°	3102.6
57.5°	1952.0
60°	1053.3
62.5°	712.4
65°	444.1
67.5°	222.6
70°	93.7
72.5°	41.0
75°	21.1
77.5°	19.9
80°	16.4
82.5°	12.9
85°	9.4
87.5°	4.7
90°	0.0

(END OF REPORT)