

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: P1505300

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505300
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 (3000K_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

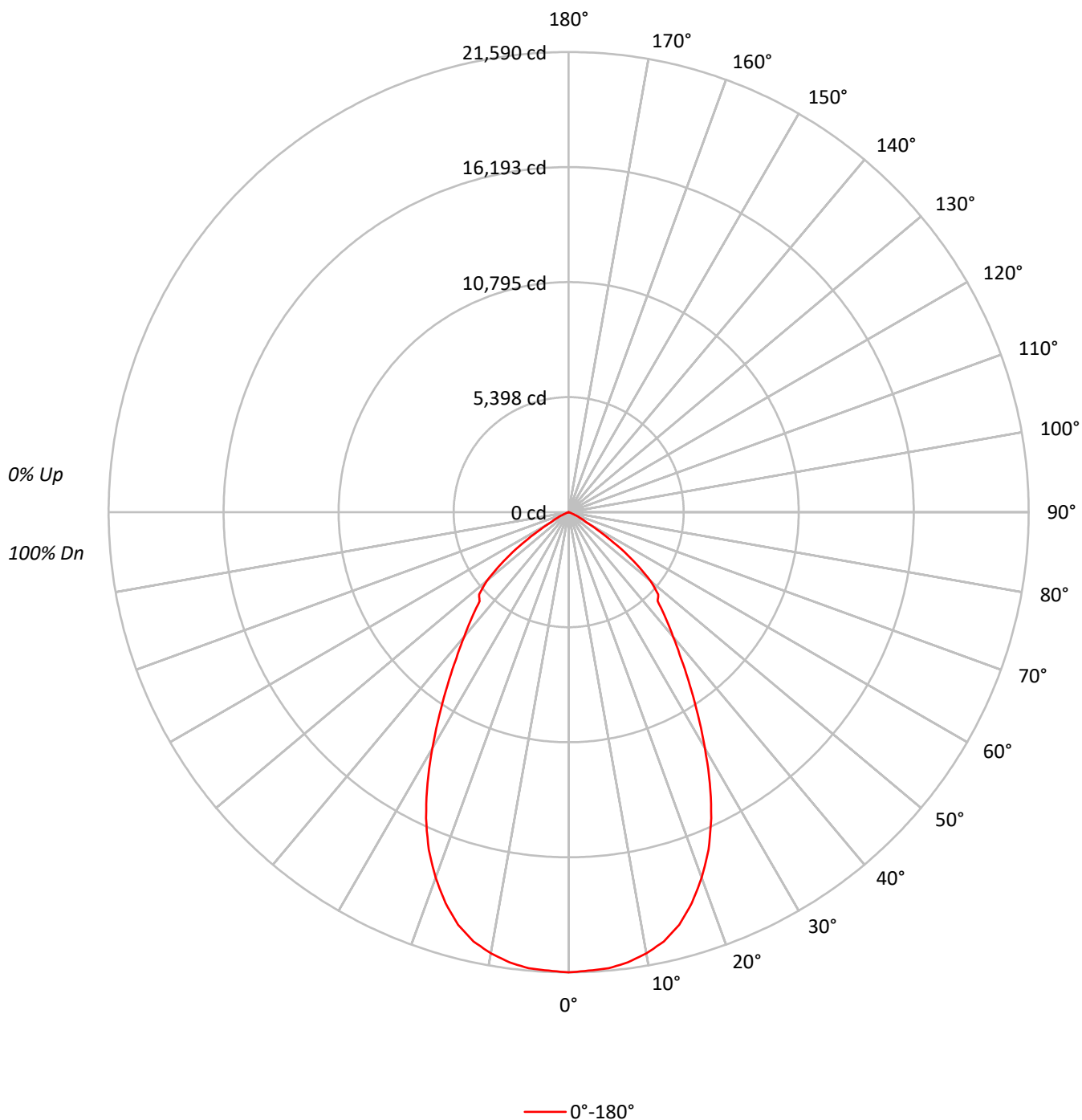
Lumens per Lamp: N/A
Luminaire Lumens: 28951.0 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 237.6
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°	154623
5°	154447
10°	152825
15°	148603
20°	139108
25°	125145
30°	105718
35°	86603
40°	71299
45°	59798
50°	55669
55°	37512
60°	14609
65°	7287
70°	1901
75°	564
80°	656
85°	748

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 60471 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2035.3	7.0
10°-20°	5595.9	19.3
20°-30°	7197.4	24.9
30°-40°	6230.1	21.5
40°-50°	4747.2	16.4
50°-60°	2637.7	9.1
60°-70°	463.3	1.6
70°-80°	34.9	0.1
80°-90°	9.3	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°	14828.6	51.2
0°-40°	21058.7	72.7
0°-60°	28443.7	98.2
0°-90°	28951.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28951.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21590	
5°	21483	###
15°	20042	5596
25°	15837	7197
35°	9905	6230
45°	5904	4747
55°	3004	2638
65°	430	463
75°	20	35
85°	9	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	21589.7
2.5°	21527.3
5°	21483.1
7.5°	21301.5
10°	21014.5
12.5°	20628.8
15°	20042.2
17.5°	19225.4
20°	18252.0
22.5°	17145.8
25°	15836.6
27.5°	14344.7
30°	12783.6
32.5°	11298.6
35°	9905.4
37.5°	8666.5
40°	7626.2
42.5°	6731.0
45°	5904.0
47.5°	5704.3
50°	4996.4
52.5°	4013.9
55°	3004.2
57.5°	1890.1
60°	1019.9
62.5°	689.8
65°	430.0
67.5°	215.6
70°	90.8
72.5°	39.7
75°	20.4
77.5°	19.3
80°	15.9
82.5°	12.5
85°	9.1
87.5°	4.5
90°	0.0

(END OF REPORT)