

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: P1505120

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (3000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505120
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-103)
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-06-BLAK-PS (3000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

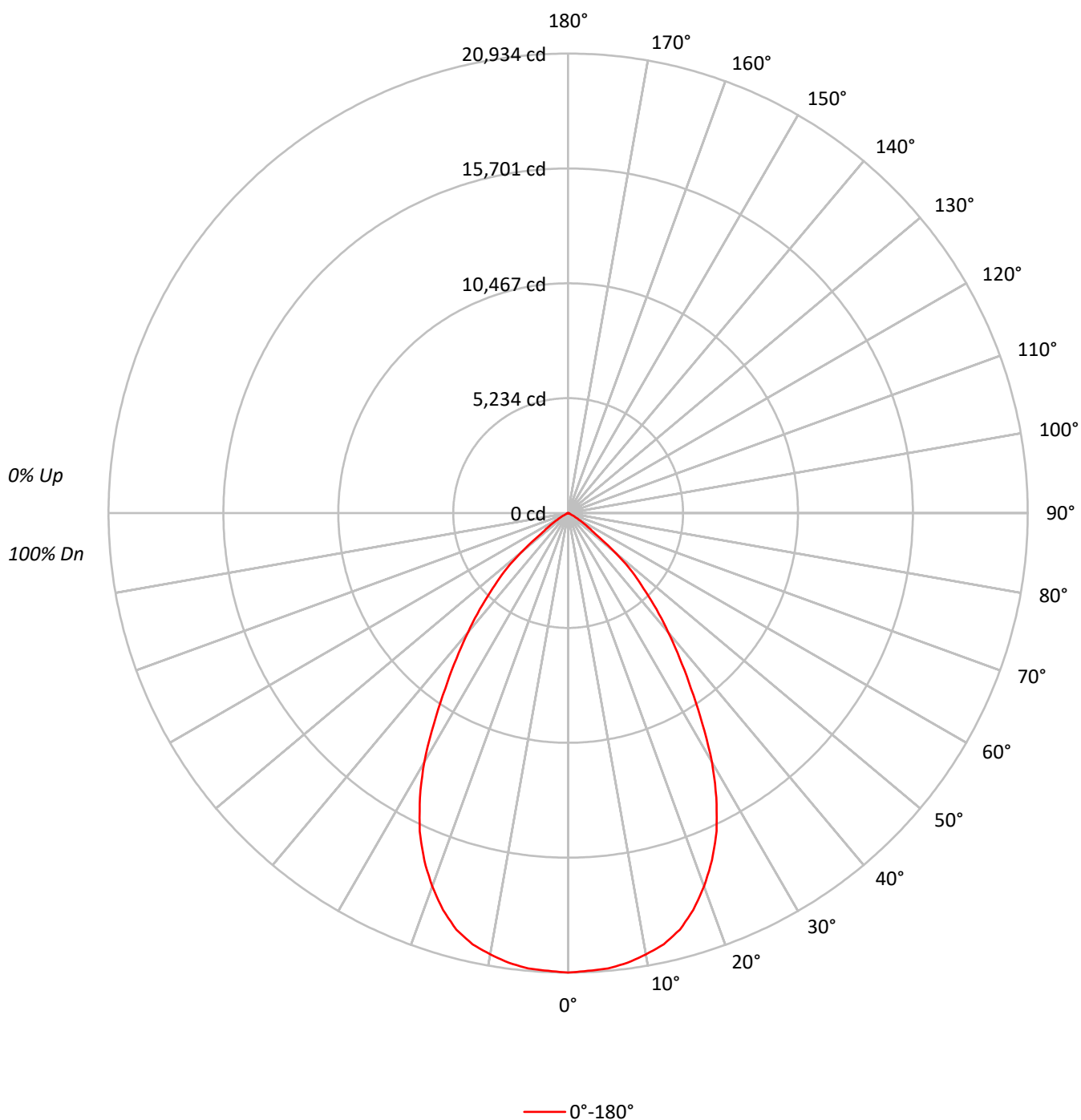
Lumens per Lamp: N/A
Luminaire Lumens: 25891.0 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

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				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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92			
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84			
3	100	93	87	83	98	92	87	82	89	85	81	86	83	80	84	81	79	77			
4	94	86	80	75	92	85	79	74	82	77	74	80	76	73	78	75	72	70			
5	89	79	73	68	87	78	72	68	77	71	67	75	70	66	73	69	66	64			
6	84	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	61	59			
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54			
8	74	64	57	53	73	63	57	52	62	56	52	61	56	52	60	55	52	50			
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	51	48	47			
10	67	56	49	45	65	55	49	45	55	49	45	54	49	45	53	48	45	43			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	139649
5°	139453
10°	138276
15°	135713
20°	128477
25°	117677
30°	100988
35°	79438
40°	61698
45°	45852
50°	29553
55°	12469
60°	5041
65°	1163
70°	687
75°	732
80°	784
85°	781

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 45852 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1974.5	7.6
10°-20°	5492.8	21.2
20°-30°	7260.5	28.0
30°-40°	6138.7	23.7
40°-50°	3777.2	14.6
50°-60°	1085.9	4.2
60°-70°	120.7	0.5
70°-80°	29.5	0.1
80°-90°	11.1	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°	14727.8	56.9
0°-40°	20866.5	80.6
0°-60°	25729.7	99.4
0°-90°	25891.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25891.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20934	
5°	20825	###
15°	19651	5493
25°	15988	7260
35°	9754	6139
45°	4860	3777
55°	1072	1086
65°	74	121
75°	28	30
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20934.0
2.5°	20873.8
5°	20825.0
7.5°	20667.3
10°	20413.2
12.5°	20120.5
15°	19650.8
17.5°	18954.2
20°	18097.7
22.5°	17120.9
25°	15987.5
27.5°	14615.9
30°	13110.4
32.5°	11366.6
35°	9754.5
37.5°	8339.8
40°	7085.0
42.5°	5952.8
45°	4860.2
47.5°	3956.0
50°	2847.6
52.5°	1536.1
55°	1072.1
57.5°	703.4
60°	377.8
62.5°	173.6
65°	73.7
67.5°	40.8
70°	35.2
72.5°	31.8
75°	28.4
77.5°	23.8
80°	20.4
82.5°	14.7
85°	10.2
87.5°	5.7
90°	0.0

(END OF REPORT)