

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: P1505498

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (4000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505498
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-115)
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-06-BLAK-PS (4000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

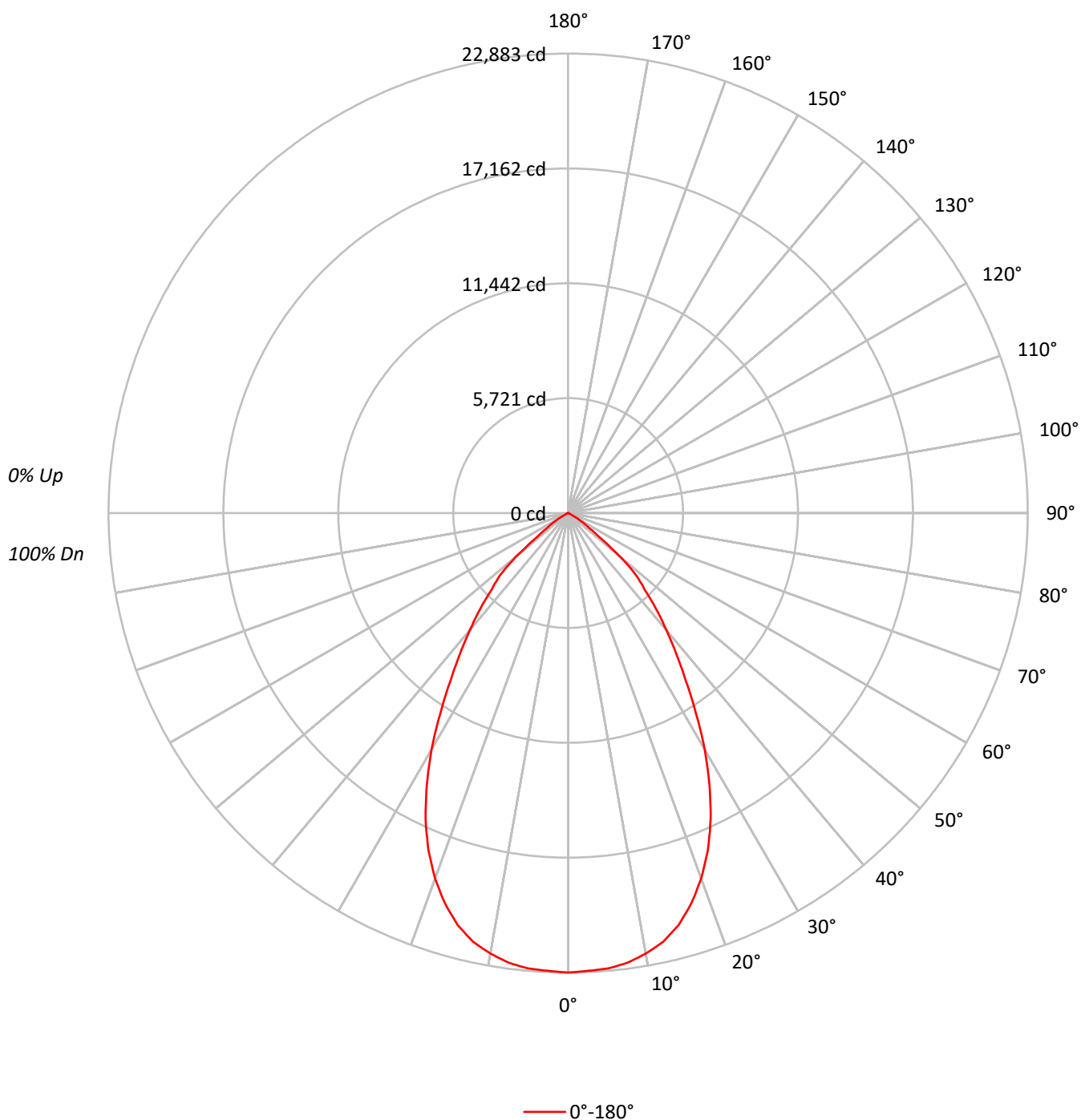
Lumens per Lamp: N/A
Luminaire Lumens: 27870.9 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.98
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 231.9
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	96	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84			
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77			
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70			
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64			
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59			
7	79	68	61	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54			
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50			
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46			
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	145791
5°	145581
10°	144084
15°	140095
20°	131232
25°	118055
30°	100056
35°	79646
40°	63174
45°	48506
50°	33557
55°	13786
60°	5910
65°	1351
70°	699
75°	716
80°	712
85°	709

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48506 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2157.6	7.7
10°-20°	5932.8	21.3
20°-30°	7637.1	27.4
30°-40°	6451.4	23.1
40°-50°	4213.5	15.1
50°-60°	1290.8	4.6
60°-70°	146.5	0.5
70°-80°	30.5	0.1
80°-90°	10.5	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°	15727.5	56.4
0°-40°	22179.0	79.6
0°-60°	27683.3	99.3
0°-90°	27870.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27870.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22883	
5°	22763	###
15°	21240	5933
25°	16794	7637
35°	10240	6451
45°	5384	4213
55°	1241	1291
65°	90	147
75°	29	31
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	22883.0
2.5°	22817.6
5°	22763.1
7.5°	22594.8
10°	22271.5
12.5°	21868.3
15°	21239.8
17.5°	20392.2
20°	19355.7
22.5°	18167.9
25°	16793.5
27.5°	15237.6
30°	13600.5
32.5°	11861.7
35°	10240.3
37.5°	8847.8
40°	7595.8
42.5°	6480.6
45°	5383.5
47.5°	4626.7
50°	3385.6
52.5°	1852.6
55°	1241.1
57.5°	835.5
60°	463.8
62.5°	213.1
65°	89.6
67.5°	47.2
70°	37.5
72.5°	33.9
75°	29.1
77.5°	24.2
80°	19.4
82.5°	14.5
85°	9.7
87.5°	4.8
90°	0.0

(END OF REPORT)