

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: P1505516

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (6500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505516
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 (6500K_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

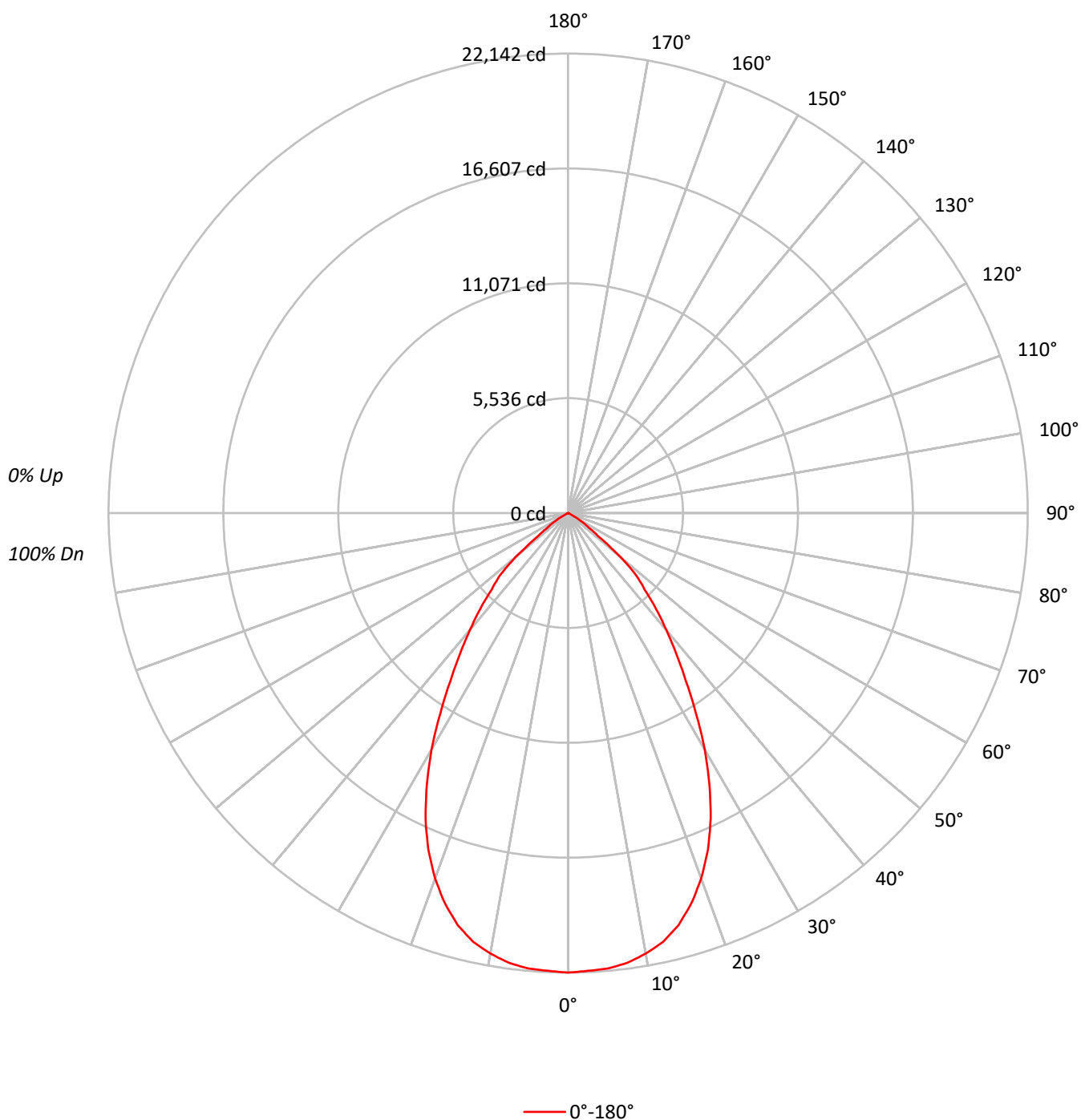
Lumens per Lamp: N/A
Luminaire Lumens: 26968.4 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.98
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 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	50	30	10	50	30	10		
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°	141070
5°	140867
10°	139418
15°	135559
20°	126983
25°	114232
30°	96816
35°	77067
40°	61128
45°	46936
50°	32471
55°	13340
60°	5717
65°	1307
70°	676
75°	692
80°	686
85°	687

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 46936 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2087.7	7.7
10°-20°	5740.7	21.3
20°-30°	7389.9	27.4
30°-40°	6242.5	23.1
40°-50°	4077.0	15.1
50°-60°	1249.0	4.6
60°-70°	141.8	0.5
70°-80°	29.5	0.1
80°-90°	10.2	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°	15218.3	56.4
0°-40°	21460.8	79.6
0°-60°	26786.9	99.3
0°-90°	26968.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26968.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22142	
5°	22026	###
15°	20552	5741
25°	16250	7390
35°	9909	6243
45°	5209	4077
55°	1201	1249
65°	87	142
75°	28	29
85°	9	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	22142.0
2.5°	22078.7
5°	22026.0
7.5°	21863.2
10°	21550.3
12.5°	21160.2
15°	20552.1
17.5°	19731.9
20°	18729.0
22.5°	17579.6
25°	16249.7
27.5°	14744.2
30°	13160.1
32.5°	11477.6
35°	9908.7
37.5°	8561.3
40°	7349.8
42.5°	6270.7
45°	5209.2
47.5°	4476.9
50°	3276.0
52.5°	1792.6
55°	1201.0
57.5°	808.4
60°	448.7
62.5°	206.2
65°	86.7
67.5°	45.7
70°	36.3
72.5°	32.8
75°	28.1
77.5°	23.4
80°	18.7
82.5°	14.1
85°	9.4
87.5°	4.7
90°	0.0

(END OF REPORT)