

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: P1505504

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (5000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505504
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 (5000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

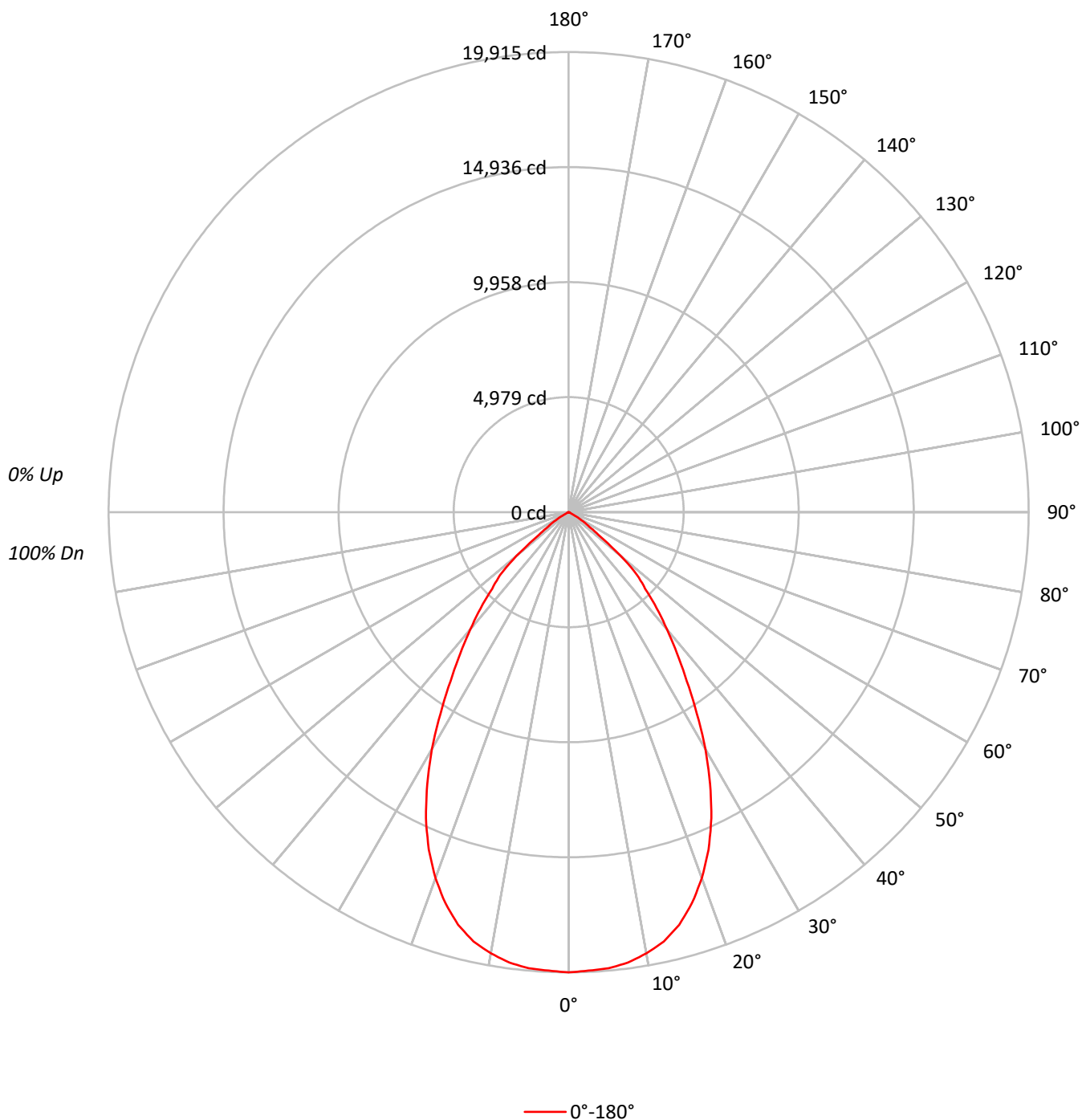
Lumens per Lamp: N/A
Luminaire Lumens: 24256.3 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.98
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 195.5
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°	126883
5°	126701
10°	125398
15°	121926
20°	114213
25°	102744
30°	87079
35°	69317
40°	54981
45°	42215
50°	29205
55°	11999
60°	5143
65°	1176
70°	609
75°	623
80°	620
85°	614

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42215 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1877.8	7.7
10°-20°	5163.4	21.3
20°-30°	6646.7	27.4
30°-40°	5614.7	23.1
40°-50°	3667.0	15.1
50°-60°	1123.4	4.6
60°-70°	127.6	0.5
70°-80°	26.6	0.1
80°-90°	9.2	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°	13687.8	56.4
0°-40°	19302.6	79.6
0°-60°	24093.0	99.3
0°-90°	24256.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24256.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19915	
5°	19811	###
15°	18485	5163
25°	14616	6647
35°	8912	5615
45°	4685	3667
55°	1080	1123
65°	78	128
75°	25	27
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19915.3
2.5°	19858.4
5°	19811.0
7.5°	19664.5
10°	19383.1
12.5°	19032.2
15°	18485.2
17.5°	17747.6
20°	16845.5
22.5°	15811.7
25°	14615.6
27.5°	13261.4
30°	11836.6
32.5°	10323.3
35°	8912.2
37.5°	7700.3
40°	6610.7
42.5°	5640.1
45°	4685.3
47.5°	4026.7
50°	2946.5
52.5°	1612.4
55°	1080.2
57.5°	727.1
60°	403.6
62.5°	185.5
65°	78.0
67.5°	41.1
70°	32.7
72.5°	29.5
75°	25.3
77.5°	21.1
80°	16.9
82.5°	12.6
85°	8.4
87.5°	4.2
90°	0.0

(END OF REPORT)