

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: P1505483

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (3500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505483
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 (3500K_L24_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

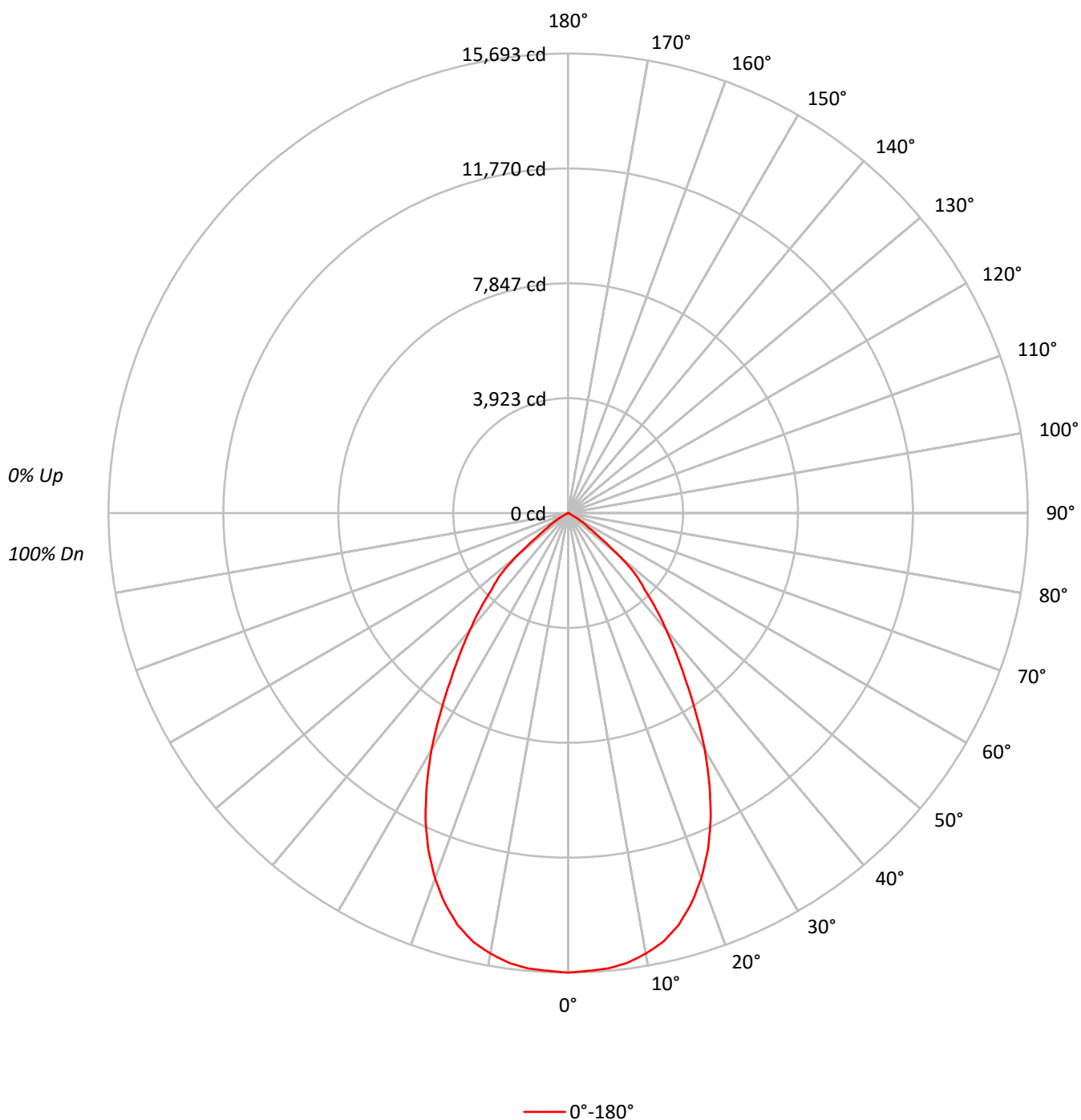
Lumens per Lamp: N/A
Luminaire Lumens: 19113.7 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.98
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 157.5
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°	99982
5°	99839
10°	98812
15°	96076
20°	89998
25°	80961
30°	68617
35°	54621
40°	43324
45°	33265
50°	23013
55°	9455
60°	4052
65°	927
70°	479
75°	490
80°	488
85°	482

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33265 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1479.7	7.7
10°-20°	4068.7	21.3
20°-30°	5237.5	27.4
30°-40°	4424.3	23.1
40°-50°	2889.6	15.1
50°-60°	885.2	4.6
60°-70°	100.5	0.5
70°-80°	20.9	0.1
80°-90°	7.2	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°	10785.8	56.4
0°-40°	15210.2	79.6
0°-60°	18985.0	99.3
0°-90°	19113.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19113.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15693	
5°	15611	###
15°	14566	4069
25°	11517	5237
35°	7023	4424
45°	3692	2890
55°	851	885
65°	62	101
75°	20	21
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	15693.0
2.5°	15648.2
5°	15610.8
7.5°	15495.4
10°	15273.7
12.5°	14997.1
15°	14566.1
17.5°	13984.9
20°	13274.0
22.5°	12459.4
25°	11516.9
27.5°	10449.8
30°	9327.1
32.5°	8134.7
35°	7022.7
37.5°	6067.8
40°	5209.1
42.5°	4444.3
45°	3692.0
47.5°	3173.0
50°	2321.8
52.5°	1270.5
55°	851.2
57.5°	573.0
60°	318.0
62.5°	146.2
65°	61.5
67.5°	32.4
70°	25.7
72.5°	23.3
75°	19.9
77.5°	16.6
80°	13.3
82.5°	10.0
85°	6.6
87.5°	3.3
90°	0.0

(END OF REPORT)