

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: P1505474

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (3000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505474
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 (3000K_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

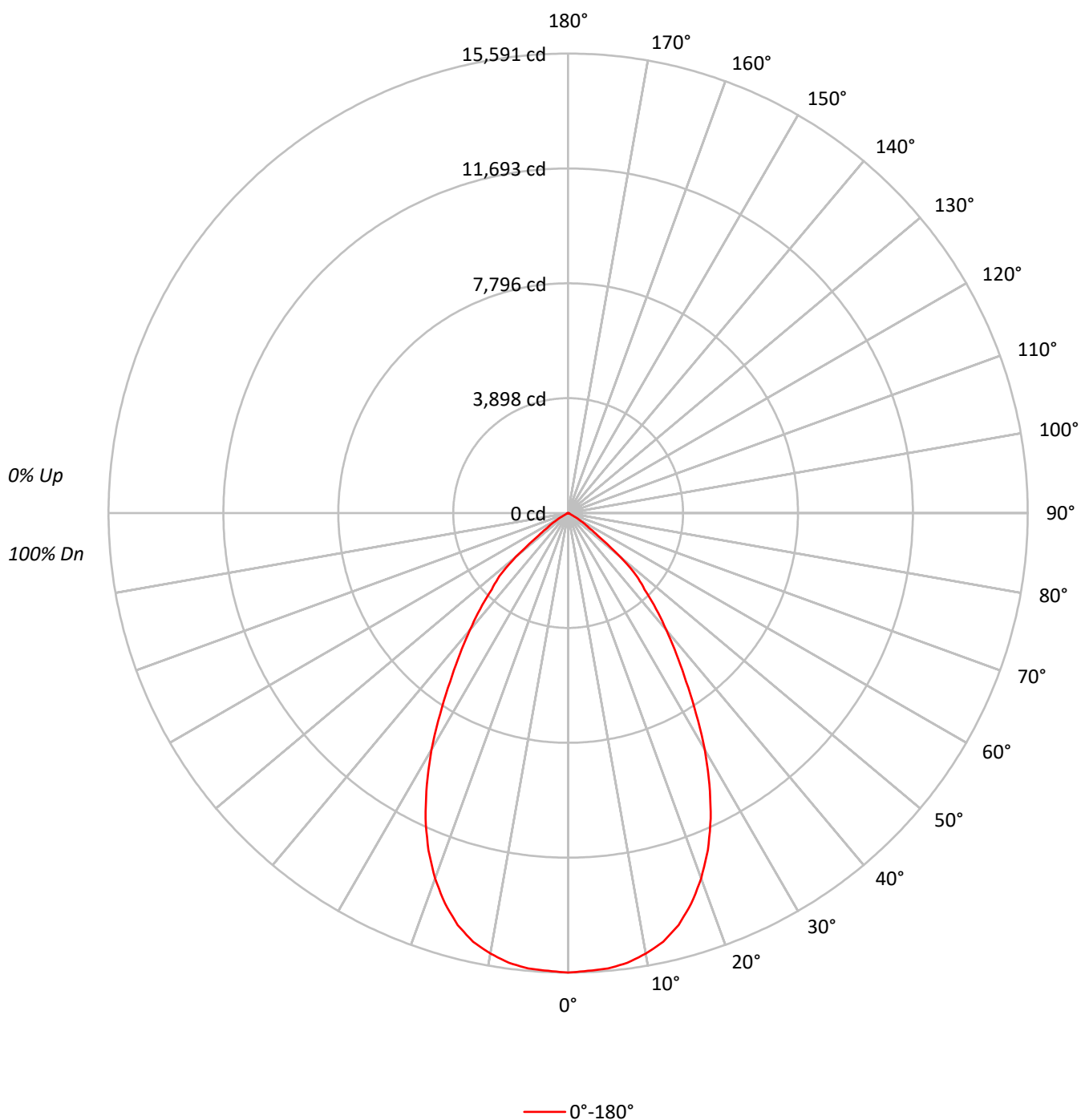
Lumens per Lamp: N/A
Luminaire Lumens: 18989.4 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.98
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 159.4
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°	99332
5°	99189
10°	98169
15°	95452
20°	89413
25°	80435
30°	68171
35°	54266
40°	43042
45°	33049
50°	22863
55°	9393
60°	4027
65°	921
70°	477
75°	487
80°	484
85°	482

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33049 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1470.0	7.7
10°-20°	4042.2	21.3
20°-30°	5203.4	27.4
30°-40°	4395.6	23.1
40°-50°	2870.8	15.1
50°-60°	879.5	4.6
60°-70°	99.9	0.5
70°-80°	20.8	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°	10715.7	56.4
0°-40°	15111.2	79.6
0°-60°	18861.5	99.3
0°-90°	18989.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18989.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15591	
5°	15509	###
15°	14471	4042
25°	11442	5203
35°	6977	4396
45°	3668	2871
55°	846	880
65°	61	100
75°	20	21
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	15590.9
2.5°	15546.4
5°	15509.2
7.5°	15394.6
10°	15174.3
12.5°	14899.6
15°	14471.4
17.5°	13893.9
20°	13187.7
22.5°	12378.4
25°	11442.0
27.5°	10381.8
30°	9266.4
32.5°	8081.7
35°	6977.1
37.5°	6028.3
40°	5175.2
42.5°	4415.4
45°	3668.0
47.5°	3152.3
50°	2306.7
52.5°	1262.3
55°	845.6
57.5°	569.3
60°	316.0
62.5°	145.2
65°	61.1
67.5°	32.2
70°	25.6
72.5°	23.1
75°	19.8
77.5°	16.5
80°	13.2
82.5°	9.9
85°	6.6
87.5°	3.3
90°	0.0

(END OF REPORT)