

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: P1505510

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (6500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505510
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_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

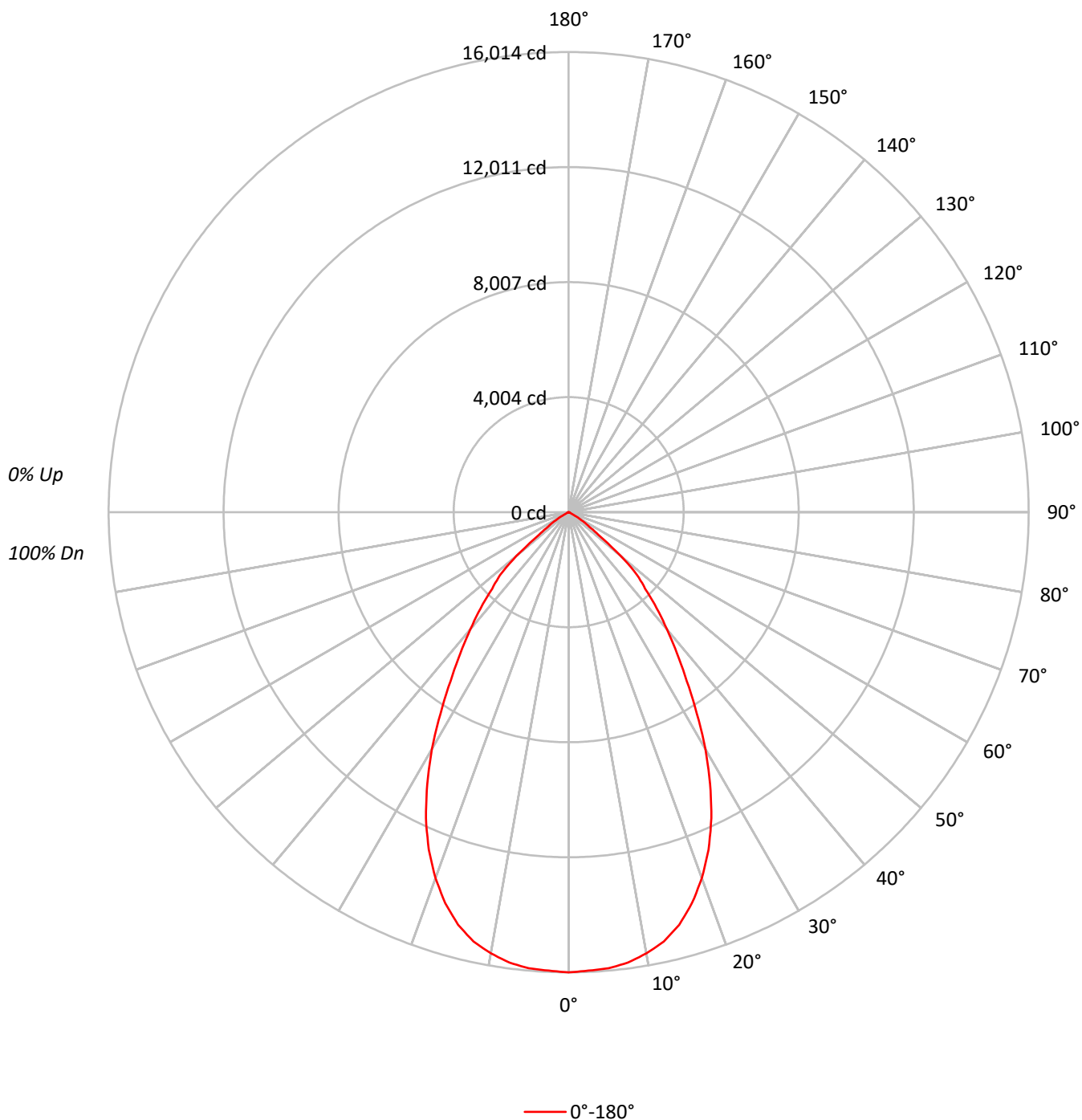
Lumens per Lamp: N/A
Luminaire Lumens: 19505.0 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.98
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 159.8
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	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°	102030
5°	101883
10°	100835
15°	98044
20°	91842
25°	82619
30°	70022
35°	55739
40°	44211
45°	33947
50°	23485
55°	9648
60°	4136
65°	945
70°	490
75°	500
80°	499
85°	497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33947 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1510.0	7.7
10°-20°	4152.0	21.3
20°-30°	5344.7	27.4
30°-40°	4514.9	23.1
40°-50°	2948.8	15.1
50°-60°	903.4	4.6
60°-70°	102.5	0.5
70°-80°	21.3	0.1
80°-90°	7.4	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°	11006.7	56.4
0°-40°	15521.6	79.6
0°-60°	19373.8	99.3
0°-90°	19505.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19505.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16014	
5°	15930	###
15°	14864	4152
25°	11753	5345
35°	7166	4515
45°	3768	2949
55°	869	903
65°	63	103
75°	20	21
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16014.4
2.5°	15968.6
5°	15930.5
7.5°	15812.7
10°	15586.4
12.5°	15304.2
15°	14864.4
17.5°	14271.2
20°	13545.9
22.5°	12714.5
25°	11752.7
27.5°	10663.8
30°	9518.1
32.5°	8301.2
35°	7166.5
37.5°	6192.0
40°	5315.8
42.5°	4535.3
45°	3767.6
47.5°	3238.0
50°	2369.4
52.5°	1296.5
55°	868.6
57.5°	584.7
60°	324.6
62.5°	149.1
65°	62.7
67.5°	33.0
70°	26.3
72.5°	23.7
75°	20.3
77.5°	16.9
80°	13.6
82.5°	10.2
85°	6.8
87.5°	3.4
90°	0.0

(END OF REPORT)