

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: P1505475

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (3000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505475
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-117)
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_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

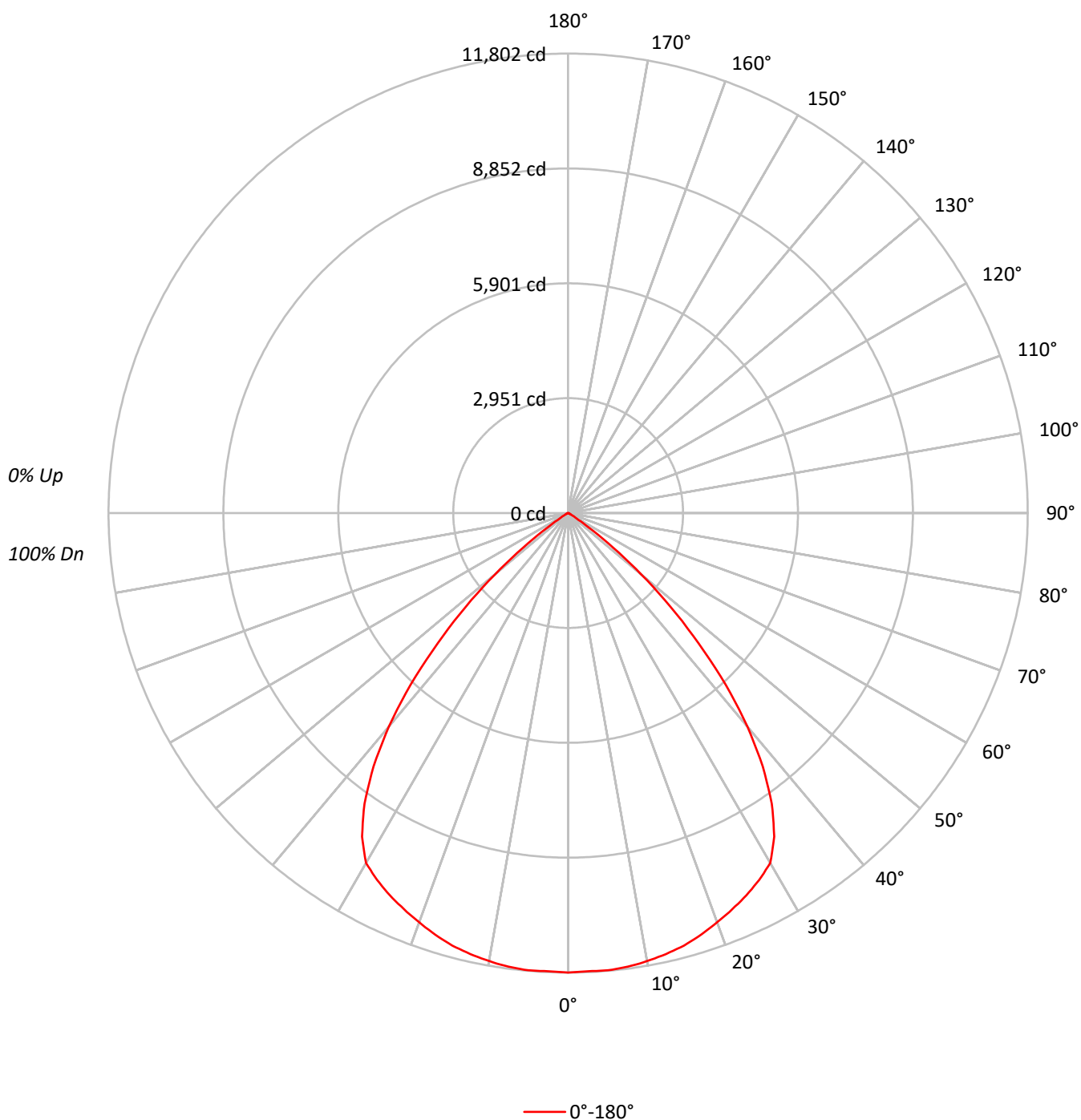
Lumens per Lamp: N/A
Luminaire Lumens: 19510.6 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.22
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

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			
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	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	91	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61		
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56		
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51		
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46		
9	67	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43		
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	75195
5°	75387
10°	75603
15°	75856
20°	75837
25°	76154
30°	76359
35°	70891
40°	59538
45°	42697
50°	24368
55°	7001
60°	1798
65°	772
70°	630
75°	670
80°	697
85°	665

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42697 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1121.8	5.7
10°-20°	3245.0	16.6
20°-30°	4994.1	25.6
30°-40°	5604.9	28.7
40°-50°	3648.1	18.7
50°-60°	794.4	4.1
60°-70°	63.7	0.3
70°-80°	28.3	0.1
80°-90°	10.2	0.1
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°	9360.9	48.0
0°-40°	14965.8	76.7
0°-60°	19408.3	99.5
0°-90°	19510.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19510.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11802	
5°	11788	###
15°	11500	3245
25°	10833	4994
35°	9115	5605
45°	4739	3648
55°	630	794
65°	51	64
75°	27	28
85°	9	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11802.5
2.5°	11780.2
5°	11787.6
7.5°	11753.8
10°	11686.2
12.5°	11601.2
15°	11500.5
17.5°	11353.7
20°	11185.4
22.5°	11013.8
25°	10833.1
27.5°	10621.9
30°	10379.4
32.5°	9849.7
35°	9114.6
37.5°	8208.0
40°	7158.6
42.5°	5991.2
45°	4738.8
47.5°	3564.0
50°	2458.5
52.5°	1458.6
55°	630.3
57.5°	244.2
60°	141.1
62.5°	81.7
65°	51.2
67.5°	38.8
70°	33.8
72.5°	30.5
75°	27.2
77.5°	23.1
80°	19.0
82.5°	14.0
85°	9.1
87.5°	5.0
90°	0.0

(END OF REPORT)