

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: P1505484

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (3500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505484
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 (3500K_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

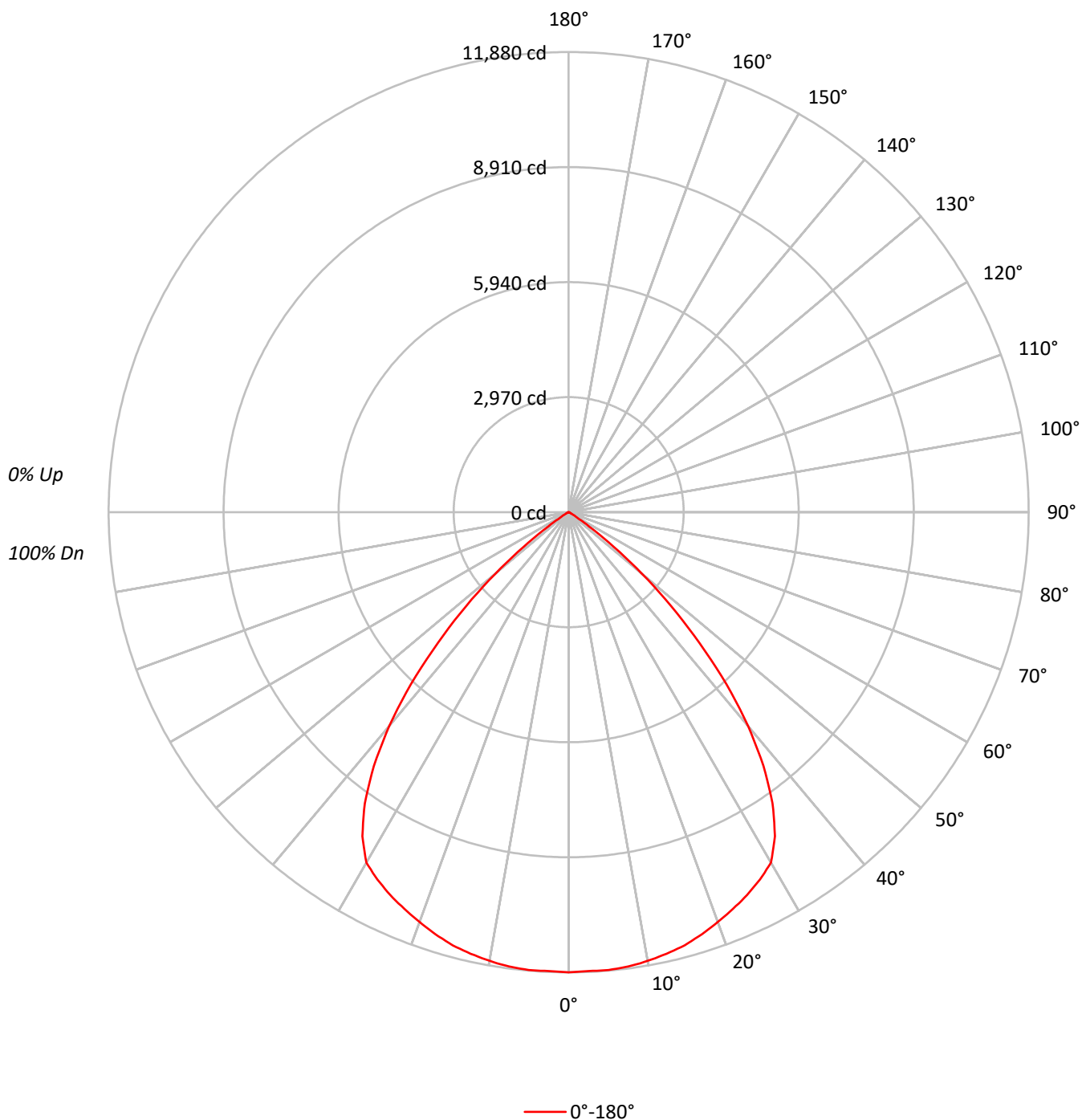
Lumens per Lamp: N/A
Luminaire Lumens: 19638.2 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.22
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	75688
5°	75881
10°	76098
15°	76353
20°	76334
25°	76653
30°	76858
35°	71355
40°	59927
45°	42977
50°	24528
55°	7047
60°	1809
65°	776
70°	633
75°	674
80°	701
85°	665

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42977 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1129.2	5.7
10°-20°	3266.2	16.6
20°-30°	5026.8	25.6
30°-40°	5641.6	28.7
40°-50°	3672.0	18.7
50°-60°	799.6	4.1
60°-70°	64.1	0.3
70°-80°	28.5	0.1
80°-90°	10.3	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°	9422.2	48.0
0°-40°	15063.8	76.7
0°-60°	19535.4	99.5
0°-90°	19638.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19638.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11880	
5°	11865	###
15°	11576	3266
25°	10904	5027
35°	9174	5642
45°	4770	3672
55°	634	800
65°	52	64
75°	27	28
85°	9	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11879.8
2.5°	11857.4
5°	11864.8
7.5°	11830.8
10°	11762.7
12.5°	11677.2
15°	11575.9
17.5°	11428.0
20°	11258.6
22.5°	11085.9
25°	10904.1
27.5°	10691.5
30°	10447.3
32.5°	9914.2
35°	9174.3
37.5°	8261.7
40°	7205.4
42.5°	6030.4
45°	4769.8
47.5°	3587.4
50°	2474.6
52.5°	1468.2
55°	634.4
57.5°	245.8
60°	142.0
62.5°	82.2
65°	51.5
67.5°	39.0
70°	34.0
72.5°	30.7
75°	27.4
77.5°	23.3
80°	19.1
82.5°	14.1
85°	9.1
87.5°	5.0
90°	0.0

(END OF REPORT)