

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: P1505502

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (5000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505502
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 (5000K_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

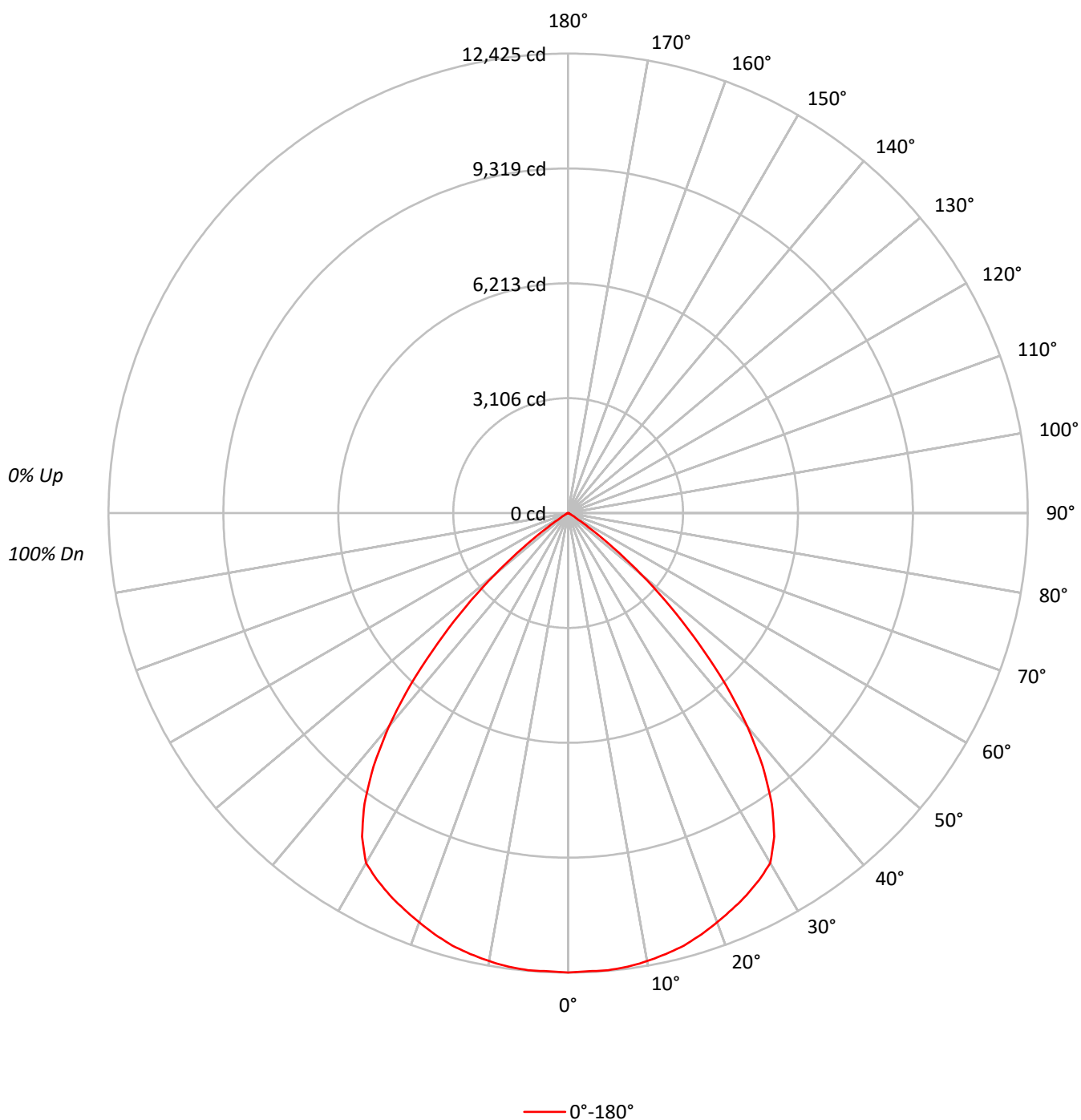
Lumens per Lamp: N/A
Luminaire Lumens: 20539.1 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.22
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 156.4
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°	79160
5°	79362
10°	79588
15°	79855
20°	79836
25°	80169
30°	80384
35°	74628
40°	62676
45°	44948
50°	25653
55°	7370
60°	1892
65°	811
70°	663
75°	706
80°	734
85°	702

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44948 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1181.0	5.7
10°-20°	3416.0	16.6
20°-30°	5257.4	25.6
30°-40°	5900.4	28.7
40°-50°	3840.5	18.7
50°-60°	836.3	4.1
60°-70°	67.0	0.3
70°-80°	29.8	0.1
80°-90°	10.8	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°	9854.4	48.0
0°-40°	15754.7	76.7
0°-60°	20431.5	99.5
0°-90°	20539.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20539.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12425	
5°	12409	###
15°	12107	3416
25°	11404	5257
35°	9595	5900
45°	4989	3840
55°	664	836
65°	54	67
75°	29	30
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	12424.7
2.5°	12401.2
5°	12409.1
7.5°	12373.5
10°	12302.2
12.5°	12212.8
15°	12106.8
17.5°	11952.2
20°	11775.1
22.5°	11594.4
25°	11404.2
27.5°	11181.9
30°	10926.5
32.5°	10369.0
35°	9595.1
37.5°	8640.7
40°	7535.9
42.5°	6307.0
45°	4988.6
47.5°	3751.9
50°	2588.1
52.5°	1535.5
55°	663.5
57.5°	257.1
60°	148.5
62.5°	86.0
65°	53.8
67.5°	40.8
70°	35.6
72.5°	32.1
75°	28.7
77.5°	24.3
80°	20.0
82.5°	14.8
85°	9.6
87.5°	5.2
90°	0.0

(END OF REPORT)