

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: P1505121

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (3000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505121
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-105)
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-A-06-BLAK-PS (3000K_L36_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

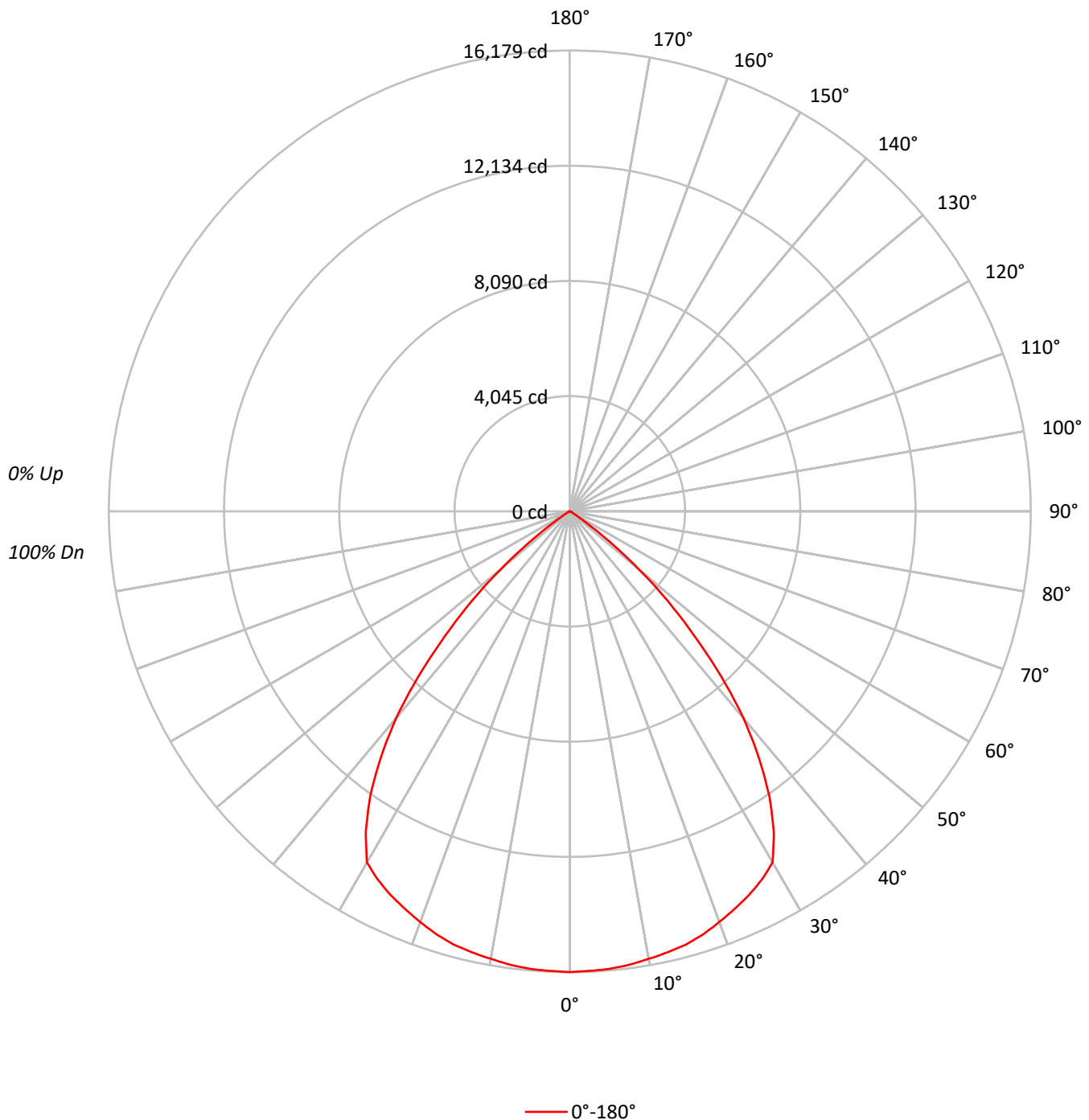
Lumens per Lamp: N/A
Luminaire Lumens: 26246.2 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.21
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 237.6
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	94	92		
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68		
5	87	77	71	66	85	76	70	65	74	69	65	73	68	64	71	67	63	62		
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56		
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51		
8	72	61	54	49	71	60	54	49	59	53	49	58	53	49	57	52	48	47		
9	68	57	50	45	67	56	49	45	55	49	45	54	49	45	53	48	44	43		
10	64	53	46	42	63	52	46	41	51	45	41	50	45	41	50	45	41	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	107930
5°	107993
10°	108074
15°	108753
20°	108938
25°	109451
30°	109667
35°	99413
40°	82514
45°	58450
50°	32661
55°	8115
60°	2316
65°	1021
70°	862
75°	995
80°	1091
85°	1041

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 58450 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1533.7	5.8
10°-20°	4443.7	16.9
20°-30°	6854.0	26.1
30°-40°	7525.8	28.7
40°-50°	4779.0	18.2
50°-60°	976.0	3.7
60°-70°	78.9	0.3
70°-80°	39.8	0.2
80°-90°	15.3	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°	12831.4	48.9
0°-40°	20357.2	77.6
0°-60°	26112.1	99.5
0°-90°	26246.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26246.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16179	
5°	16127	###
15°	15747	4444
25°	14870	6854
35°	12207	7526
45°	6196	4779
55°	698	976
65°	65	79
75°	39	40
85°	14	15
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16179.2
2.5°	16147.5
5°	16127.0
7.5°	16055.6
10°	15954.6
12.5°	15859.3
15°	15747.0
17.5°	15570.0
20°	15345.4
22.5°	15110.5
25°	14870.0
27.5°	14586.4
30°	14237.0
32.5°	13325.9
35°	12207.3
37.5°	10903.8
40°	9475.4
42.5°	7865.6
45°	6195.6
47.5°	4658.3
50°	3147.1
52.5°	1815.2
55°	697.7
57.5°	293.8
60°	173.6
62.5°	98.7
65°	64.7
67.5°	48.8
70°	44.2
72.5°	42.0
75°	38.6
77.5°	34.0
80°	28.4
82.5°	21.6
85°	13.6
87.5°	6.8
90°	0.0

(END OF REPORT)