

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: P1505135

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (4000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505135
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-103)
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 (4000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

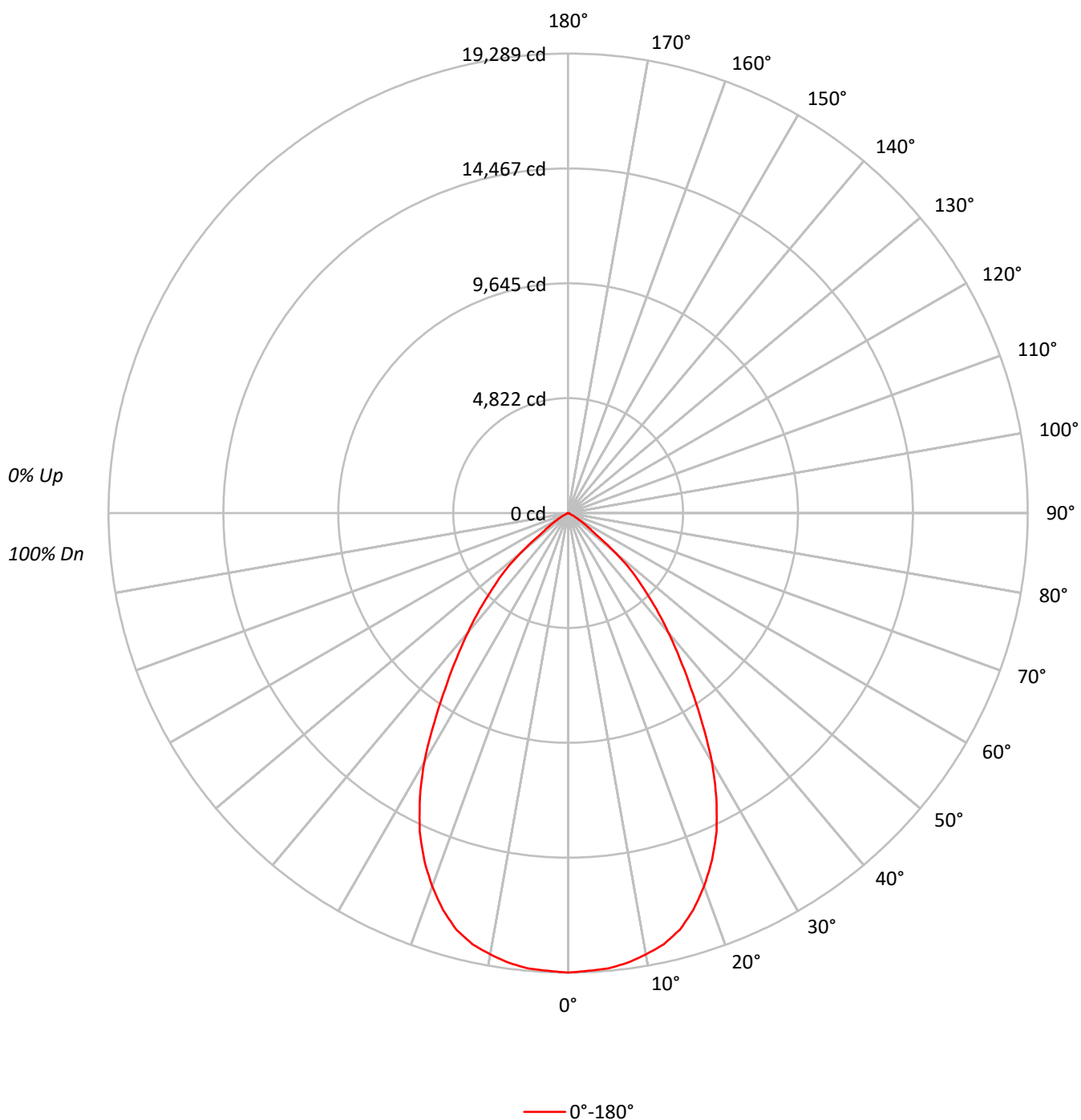
Lumens per Lamp: N/A
Luminaire Lumens: 23857.0 lumens
Efficiency: N/A
Efficacy: 122.8 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 194.3
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				0
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	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84			
3	100	93	87	83	98	92	87	82	89	85	81	86	83	80	84	81	79	77			
4	94	86	80	75	92	85	79	74	82	77	74	80	76	73	78	75	72	70			
5	89	79	73	68	87	78	72	68	77	71	67	75	70	66	73	69	66	64			
6	84	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	61	59			
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54			
8	74	64	57	53	73	63	57	52	62	56	52	61	56	52	60	55	52	50			
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	51	48	47			
10	67	56	49	45	65	55	49	45	55	49	45	54	49	45	53	48	45	43			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	128678
5°	128497
10°	127412
15°	125051
20°	118383
25°	108432
30°	93054
35°	73197
40°	56851
45°	42250
50°	27231
55°	11490
60°	4644
65°	1072
70°	632
75°	673
80°	722
85°	719

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42250 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1819.4	7.6
10°-20°	5061.2	21.2
20°-30°	6690.1	28.0
30°-40°	5656.5	23.7
40°-50°	3480.5	14.6
50°-60°	1000.6	4.2
60°-70°	111.2	0.5
70°-80°	27.2	0.1
80°-90°	10.2	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°	13570.7	56.9
0°-40°	19227.2	80.6
0°-60°	23708.3	99.4
0°-90°	23857.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23857.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19289	
5°	19189	###
15°	18107	5061
25°	14732	6690
35°	8988	5656
45°	4478	3480
55°	988	1001
65°	68	111
75°	26	27
85°	9	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19289.3
2.5°	19233.9
5°	19189.0
7.5°	19043.7
10°	18809.5
12.5°	18539.8
15°	18107.0
17.5°	17465.1
20°	16675.9
22.5°	15775.8
25°	14731.5
27.5°	13467.6
30°	12080.4
32.5°	10473.7
35°	8988.2
37.5°	7684.6
40°	6528.4
42.5°	5485.1
45°	4478.4
47.5°	3645.2
50°	2623.9
52.5°	1415.4
55°	987.9
57.5°	648.1
60°	348.1
62.5°	159.9
65°	67.9
67.5°	37.6
70°	32.4
72.5°	29.3
75°	26.1
77.5°	22.0
80°	18.8
82.5°	13.6
85°	9.4
87.5°	5.2
90°	0.0

(END OF REPORT)