

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: P1505136

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (4000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505136
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 (4000K_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

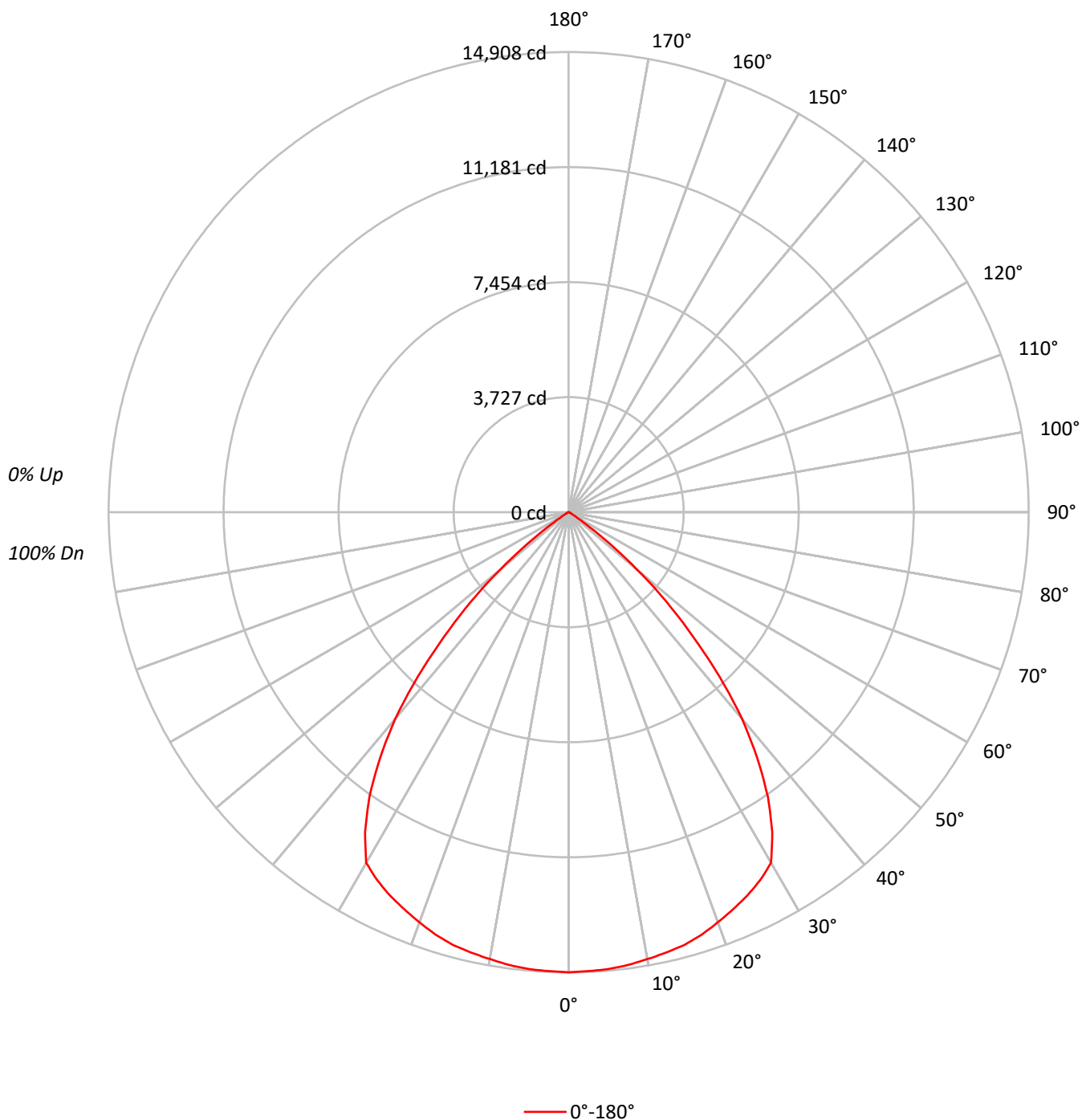
Lumens per Lamp: N/A
Luminaire Lumens: 24184.2 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.21
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 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			
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°	99452
5°	99509
10°	99584
15°	100209
20°	100379
25°	100853
30°	101051
35°	91603
40°	76032
45°	53857
50°	30096
55°	7477
60°	2133
65°	941
70°	796
75°	915
80°	1003
85°	957

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 53857 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1413.2	5.8
10°-20°	4094.6	16.9
20°-30°	6315.5	26.1
30°-40°	6934.6	28.7
40°-50°	4403.5	18.2
50°-60°	899.3	3.7
60°-70°	72.7	0.3
70°-80°	36.7	0.2
80°-90°	14.1	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°	11823.3	48.9
0°-40°	18757.9	77.6
0°-60°	24060.7	99.5
0°-90°	24184.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24184.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14908	
5°	14860	###
15°	14510	4095
25°	13702	6316
35°	11248	6935
45°	5709	4404
55°	643	899
65°	60	73
75°	36	37
85°	12	14
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14908.2
2.5°	14878.9
5°	14860.1
7.5°	14794.2
10°	14701.2
12.5°	14613.4
15°	14509.9
17.5°	14346.8
20°	14139.8
22.5°	13923.4
25°	13701.8
27.5°	13440.4
30°	13118.5
32.5°	12279.0
35°	11248.3
37.5°	10047.1
40°	8731.0
42.5°	7247.6
45°	5708.8
47.5°	4292.3
50°	2899.9
52.5°	1672.6
55°	642.9
57.5°	270.8
60°	159.9
62.5°	90.9
65°	59.6
67.5°	45.0
70°	40.8
72.5°	38.7
75°	35.5
77.5°	31.4
80°	26.1
82.5°	19.9
85°	12.5
87.5°	6.3
90°	0.0

(END OF REPORT)