

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: P1504956

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (4000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504956
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-81)
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-04-BLAK-PS (4000K_L32_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

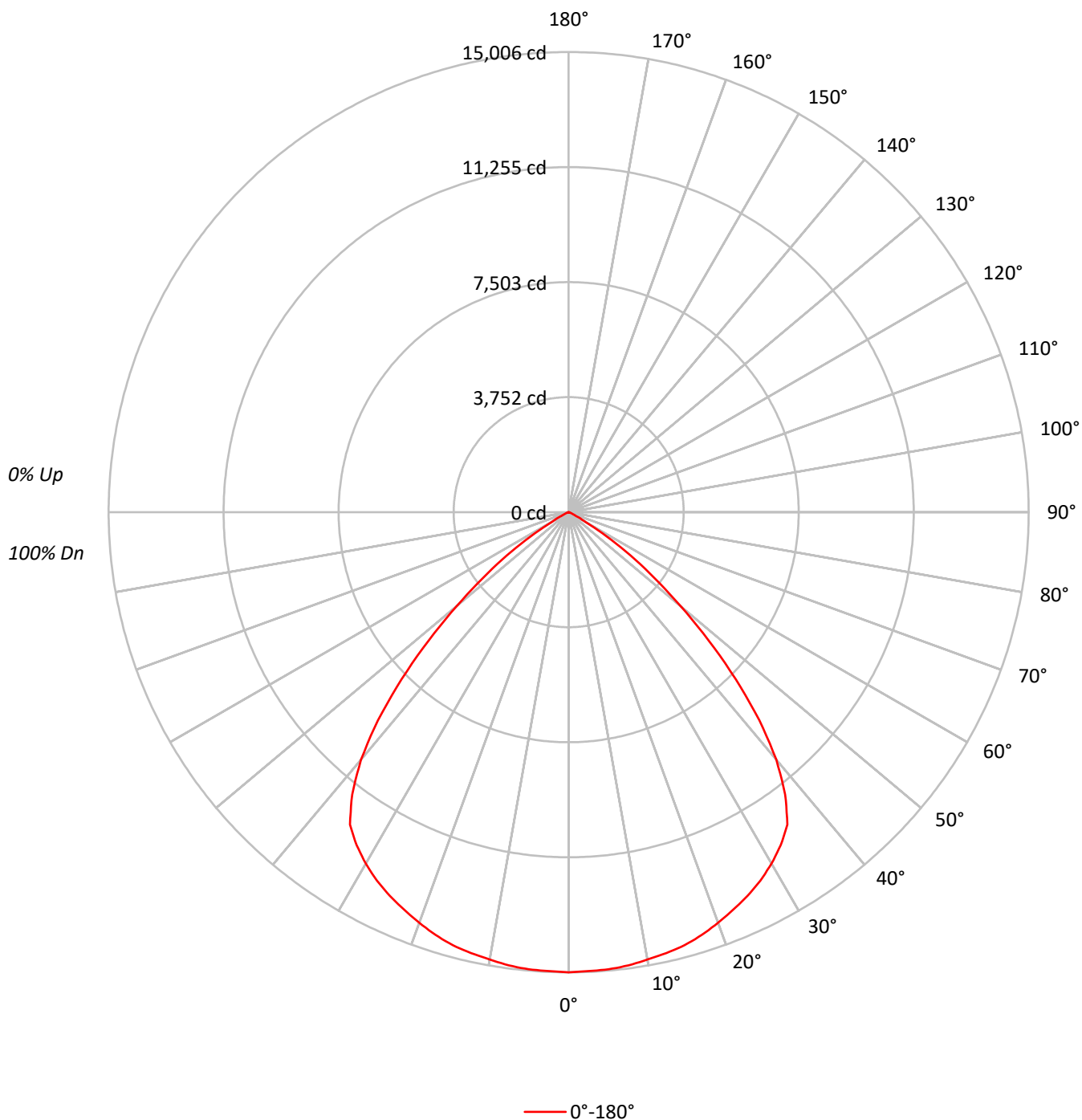
Lumens per Lamp: N/A
Luminaire Lumens: 27932.5 lumens
Efficiency: N/A
Efficacy: 143.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.29
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

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	112	109	106	103	110	107	104	102	103	100	99	99	97	96	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81		
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73		
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65		
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48		
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39		
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	110111
5°	110217
10°	110361
15°	111041
20°	111276
25°	111770
30°	112133
35°	111404
40°	100904
45°	79927
50°	54225
55°	31480
60°	9328
65°	3012
70°	1032
75°	624
80°	752
85°	968

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 79927 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1423.5	5.1
10°-20°	4125.5	14.8
20°-30°	6364.7	22.8
30°-40°	7630.3	27.3
40°-50°	5888.6	21.1
50°-60°	2240.0	8.0
60°-70°	220.9	0.8
70°-80°	27.4	0.1
80°-90°	11.5	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°	11913.7	42.7
0°-40°	19544.0	70.0
0°-60°	27672.7	99.1
0°-90°	27932.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27932.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15006	
5°	14964	###
15°	14618	4126
25°	13805	6365
35°	12437	7630
45°	7702	5889
55°	2461	2240
65°	174	221
75°	22	27
85°	12	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15006.4
2.5°	14976.1
5°	14963.6
7.5°	14908.2
10°	14812.0
12.5°	14726.3
15°	14617.5
17.5°	14453.4
20°	14250.6
22.5°	14025.9
25°	13805.3
27.5°	13545.0
30°	13234.5
32.5°	12871.8
35°	12436.9
37.5°	11597.4
40°	10534.3
42.5°	9203.5
45°	7702.4
47.5°	6187.6
50°	4750.2
52.5°	3521.9
55°	2460.8
57.5°	1468.8
60°	635.6
62.5°	292.7
65°	173.5
67.5°	95.1
70°	48.1
72.5°	29.3
75°	22.0
77.5°	19.9
80°	17.8
82.5°	15.7
85°	11.5
87.5°	6.3
90°	0.0

(END OF REPORT)