

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: P1504968

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (5000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504968
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 (5000K_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

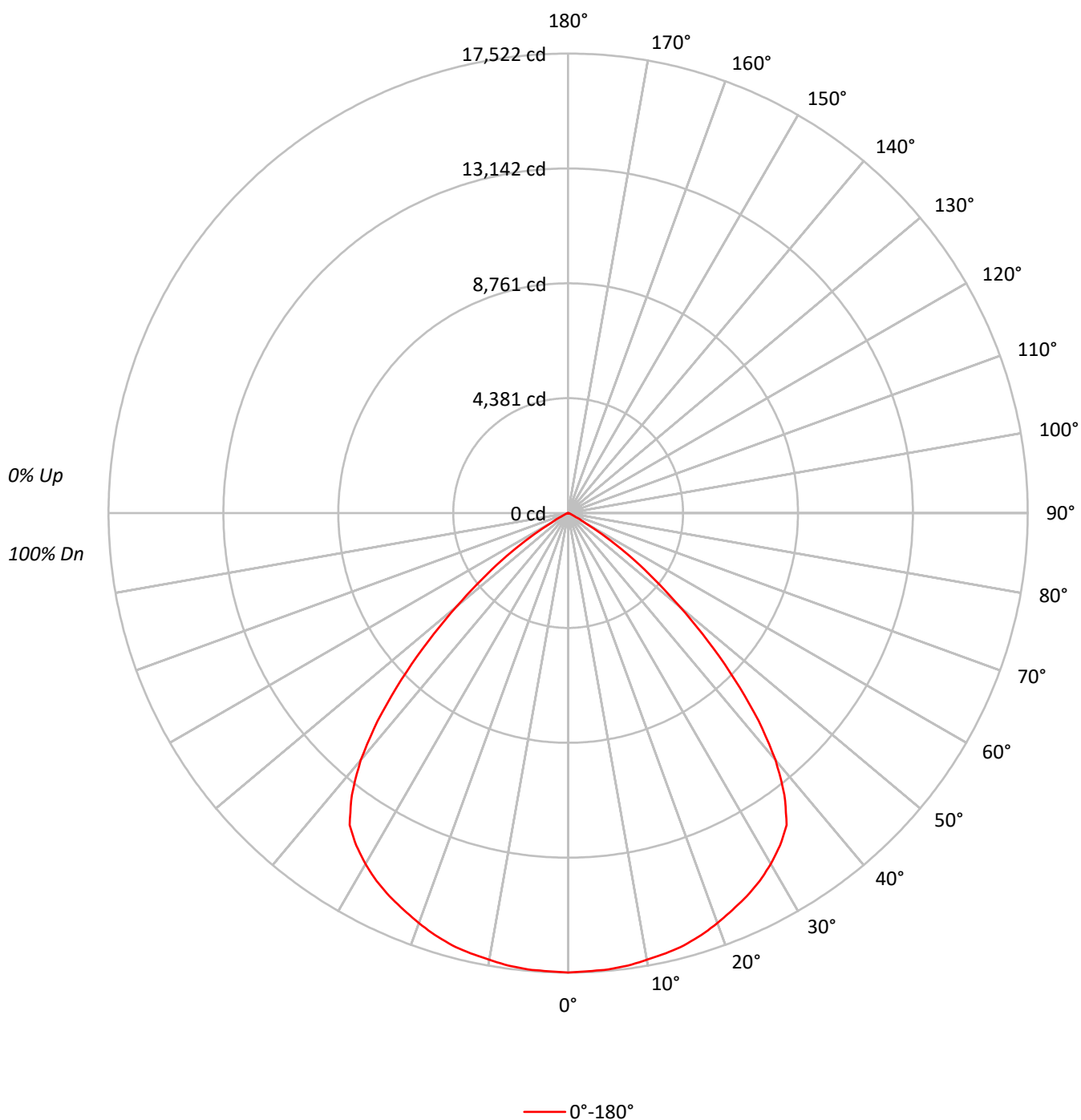
Lumens per Lamp: N/A
Luminaire Lumens: 32614.5 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.29
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 233.3
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°	128568
5°	128691
10°	128860
15°	129655
20°	129928
25°	130505
30°	130929
35°	130078
40°	117817
45°	93324
50°	63314
55°	36757
60°	10890
65°	3518
70°	1204
75°	726
80°	879
85°	1128

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 93324 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1662.1	5.1
10°-20°	4817.1	14.8
20°-30°	7431.5	22.8
30°-40°	8909.3	27.3
40°-50°	6875.7	21.1
50°-60°	2615.5	8.0
60°-70°	257.9	0.8
70°-80°	32.0	0.1
80°-90°	13.4	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°	13910.7	42.7
0°-40°	22820.0	70.0
0°-60°	32311.2	99.1
0°-90°	32614.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32614.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17522	
5°	17472	###
15°	17068	4817
25°	16119	7432
35°	14522	8909
45°	8993	6876
55°	2873	2615
65°	203	258
75°	26	32
85°	13	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	17521.8
2.5°	17486.4
5°	17471.8
7.5°	17407.1
10°	17294.8
12.5°	17194.7
15°	17067.8
17.5°	16876.1
20°	16639.3
22.5°	16376.9
25°	16119.4
27.5°	15815.4
30°	15452.9
32.5°	15029.4
35°	14521.6
37.5°	13541.4
40°	12300.1
42.5°	10746.2
45°	8993.4
47.5°	7224.8
50°	5546.4
52.5°	4112.2
55°	2873.3
57.5°	1715.0
60°	742.1
62.5°	341.8
65°	202.6
67.5°	111.1
70°	56.1
72.5°	34.2
75°	25.6
77.5°	23.2
80°	20.8
82.5°	18.3
85°	13.4
87.5°	7.3
90°	0.0

(END OF REPORT)