

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: P1504949

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504949
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-79)
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 (3500K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

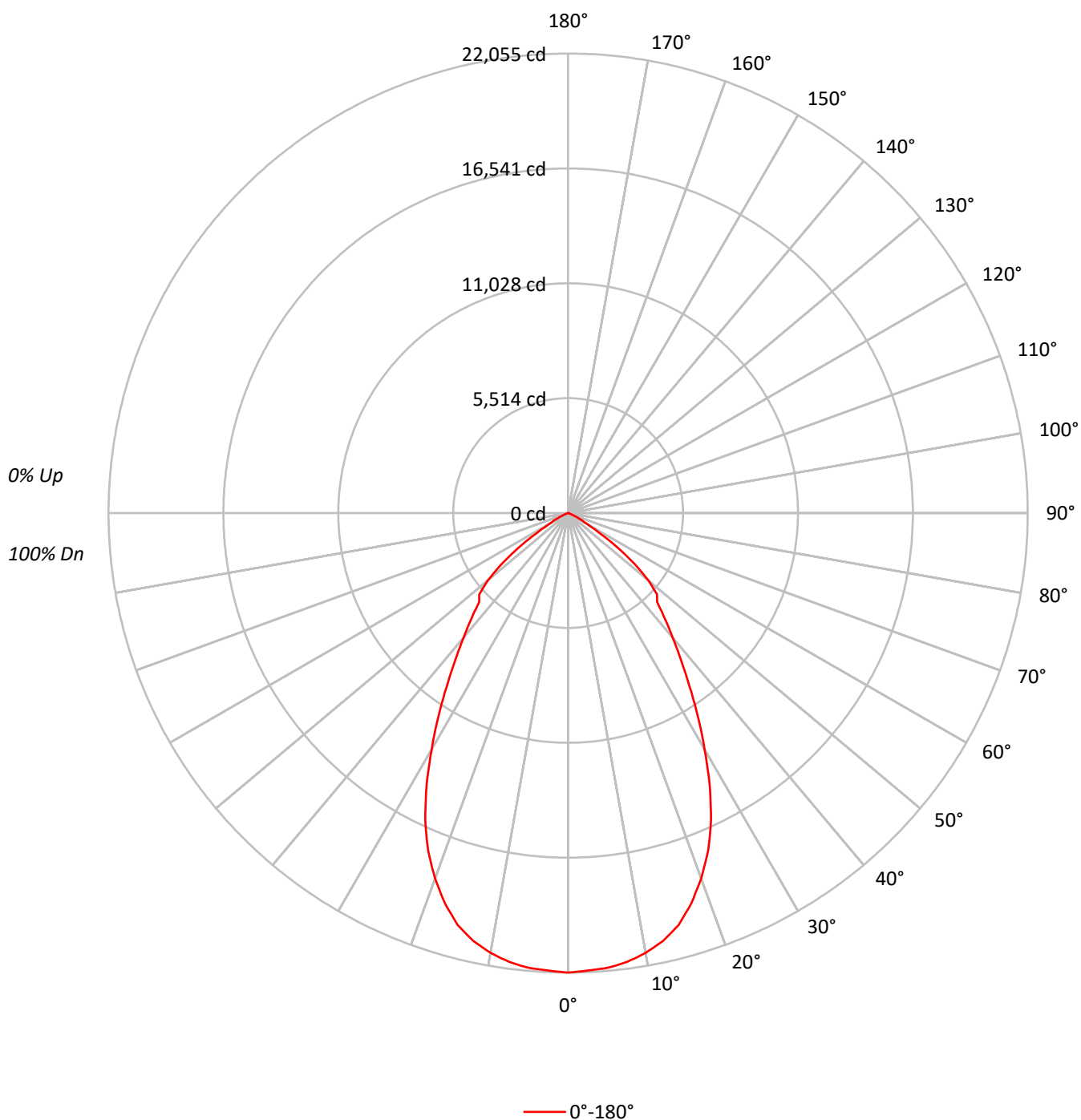
Lumens per Lamp: N/A
Luminaire Lumens: 29472.2 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 235.4
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	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	81	97	90	84	80	87	82	79	84	81	77	82	79	76	74		
4	93	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	56		
7	76	66	58	54	75	65	58	53	63	57	53	62	57	53	61	56	52	51		
8	72	61	54	49	71	60	54	49	59	53	49	58	52	49	57	52	48	47		
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43		
10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	161832
5°	161380
10°	159694
15°	155513
20°	145667
25°	131354
30°	110960
35°	90924
40°	74768
45°	62545
50°	57272
55°	37400
60°	14841
65°	7285
70°	1894
75°	561
80°	689
85°	783

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 62774 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2076.2	7.0
10°-20°	5714.0	19.4
20°-30°	7369.6	25.0
30°-40°	6384.0	21.7
40°-50°	4829.8	16.4
50°-60°	2600.2	8.8
60°-70°	455.3	1.5
70°-80°	33.6	0.1
80°-90°	9.5	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°	15159.8	51.4
0°-40°	21543.8	73.1
0°-60°	28973.8	98.3
0°-90°	29472.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29472.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22055	
5°	21910	###
15°	20472	5714
25°	16224	7370
35°	10150	6384
45°	6027	4830
55°	2924	2600
65°	420	455
75°	20	34
85°	9	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	22055.1
2.5°	21977.2
5°	21909.8
7.5°	21727.2
10°	21433.1
12.5°	21033.3
15°	20471.8
17.5°	19646.5
20°	18654.9
22.5°	17545.9
25°	16224.2
27.5°	14697.9
30°	13096.1
32.5°	11580.3
35°	10150.5
37.5°	8883.4
40°	7805.8
42.5°	6866.6
45°	6027.3
47.5°	5779.7
50°	5017.1
52.5°	4008.1
55°	2923.5
57.5°	1806.4
60°	1011.3
62.5°	680.0
65°	419.6
67.5°	209.2
70°	88.3
72.5°	37.2
75°	19.8
77.5°	18.6
80°	16.3
82.5°	12.8
85°	9.3
87.5°	4.6
90°	0.0

(END OF REPORT)