

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: P1504976

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (6500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504976
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 (6500K_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

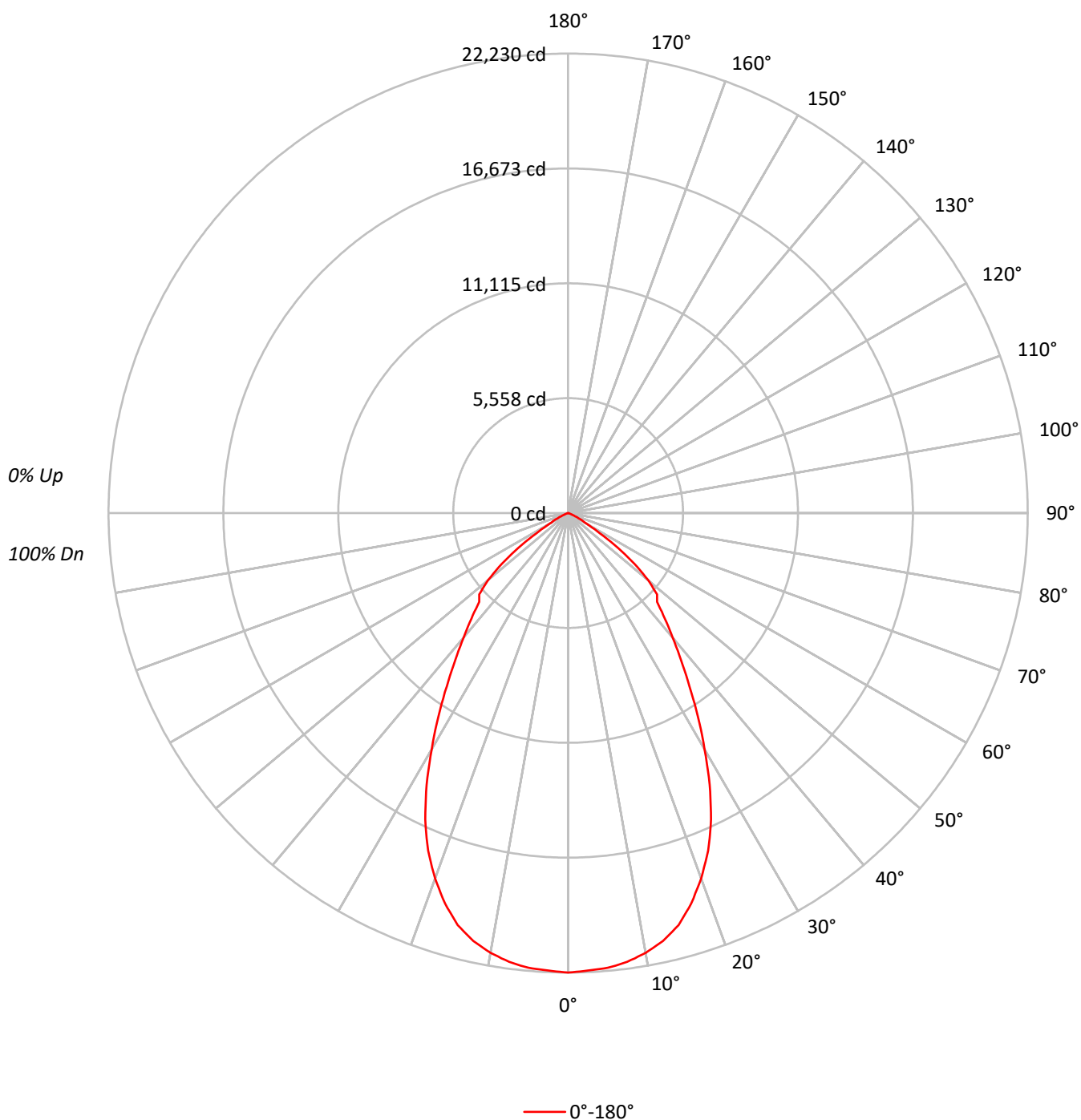
Lumens per Lamp: N/A
Luminaire Lumens: 29705.8 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 239.6
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	50	30	10	50	30	10		
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°	163114
5°	162658
10°	160960
15°	156746
20°	146822
25°	132395
30°	111839
35°	91644
40°	75361
45°	63041
50°	57726
55°	37696
60°	14958
65°	7344
70°	1909
75°	564
80°	693
85°	791

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 63271 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2092.6	7.0
10°-20°	5759.3	19.4
20°-30°	7428.0	25.0
30°-40°	6434.6	21.7
40°-50°	4868.1	16.4
50°-60°	2620.8	8.8
60°-70°	459.0	1.5
70°-80°	33.8	0.1
80°-90°	9.6	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°	15280.0	51.4
0°-40°	21714.6	73.1
0°-60°	29203.5	98.3
0°-90°	29705.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29705.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22230	
5°	22083	###
15°	20634	5759
25°	16353	7428
35°	10231	6435
45°	6075	4868
55°	2947	2621
65°	423	459
75°	20	34
85°	9	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	22229.9
2.5°	22151.4
5°	22083.4
7.5°	21899.5
10°	21603.0
12.5°	21200.0
15°	20634.1
17.5°	19802.2
20°	18802.8
22.5°	17685.0
25°	16352.8
27.5°	14814.5
30°	13199.9
32.5°	11672.1
35°	10230.9
37.5°	8953.8
40°	7867.7
42.5°	6921.0
45°	6075.1
47.5°	5825.5
50°	5056.9
52.5°	4039.9
55°	2946.7
57.5°	1820.8
60°	1019.3
62.5°	685.4
65°	423.0
67.5°	210.9
70°	89.0
72.5°	37.5
75°	19.9
77.5°	18.7
80°	16.4
82.5°	12.9
85°	9.4
87.5°	4.7
90°	0.0

(END OF REPORT)