

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: P1505156

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (6500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505156
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-103)
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 (6500K_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

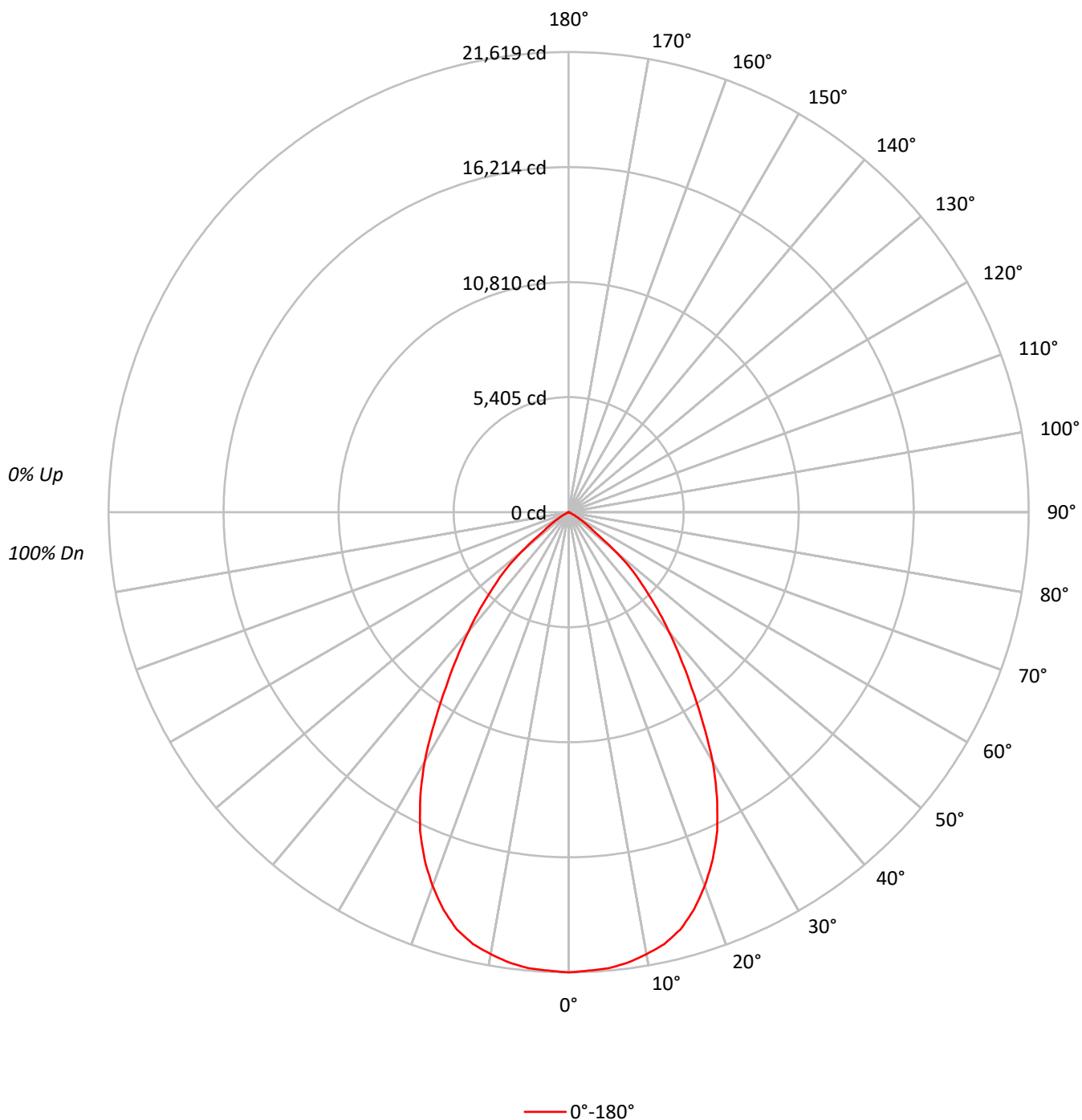
Lumens per Lamp: N/A
Luminaire Lumens: 26738.9 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92							
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84							
3	100	93	87	83	98	92	87	82	89	85	81	86	83	80	84	81	79	77							
4	94	86	80	75	92	85	79	74	82	77	74	80	76	73	78	75	72	70							
5	89	79	73	68	87	78	72	68	77	71	67	75	70	66	73	69	66	64							
6	84	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	61	59							
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54							
8	74	64	57	53	73	63	57	52	62	56	52	61	56	52	60	55	52	50							
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	51	48	47							
10	67	56	49	45	65	55	49	45	55	49	45	54	49	45	53	48	45	43							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	144221
5°	144020
10°	142804
15°	140158
20°	132683
25°	121530
30°	104295
35°	82039
40°	63718
45°	47354
50°	30521
55°	12877
60°	5206
65°	1203
70°	708
75°	755
80°	811
85°	804

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 47354 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2039.2	7.6
10°-20°	5672.6	21.2
20°-30°	7498.2	28.0
30°-40°	6339.7	23.7
40°-50°	3900.9	14.6
50°-60°	1121.5	4.2
60°-70°	124.7	0.5
70°-80°	30.5	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°	15210.1	56.9
0°-40°	21549.8	80.6
0°-60°	26572.3	99.4
0°-90°	26738.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26738.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21619	
5°	21507	###
15°	20294	5673
25°	16511	7498
35°	10074	6340
45°	5019	3901
55°	1107	1122
65°	76	125
75°	29	30
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	21619.4
2.5°	21557.4
5°	21507.0
7.5°	21344.1
10°	21081.7
12.5°	20779.4
15°	20294.3
17.5°	19574.9
20°	18690.3
22.5°	17681.5
25°	16511.0
27.5°	15094.5
30°	13539.7
32.5°	11738.8
35°	10073.9
37.5°	8612.9
40°	7317.0
42.5°	6147.7
45°	5019.4
47.5°	4085.6
50°	2940.9
52.5°	1586.4
55°	1107.2
57.5°	726.4
60°	390.2
62.5°	179.3
65°	76.2
67.5°	42.2
70°	36.3
72.5°	32.8
75°	29.3
77.5°	24.6
80°	21.1
82.5°	15.2
85°	10.5
87.5°	5.9
90°	0.0

(END OF REPORT)