

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: P1505141

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (5000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505141
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 (5000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

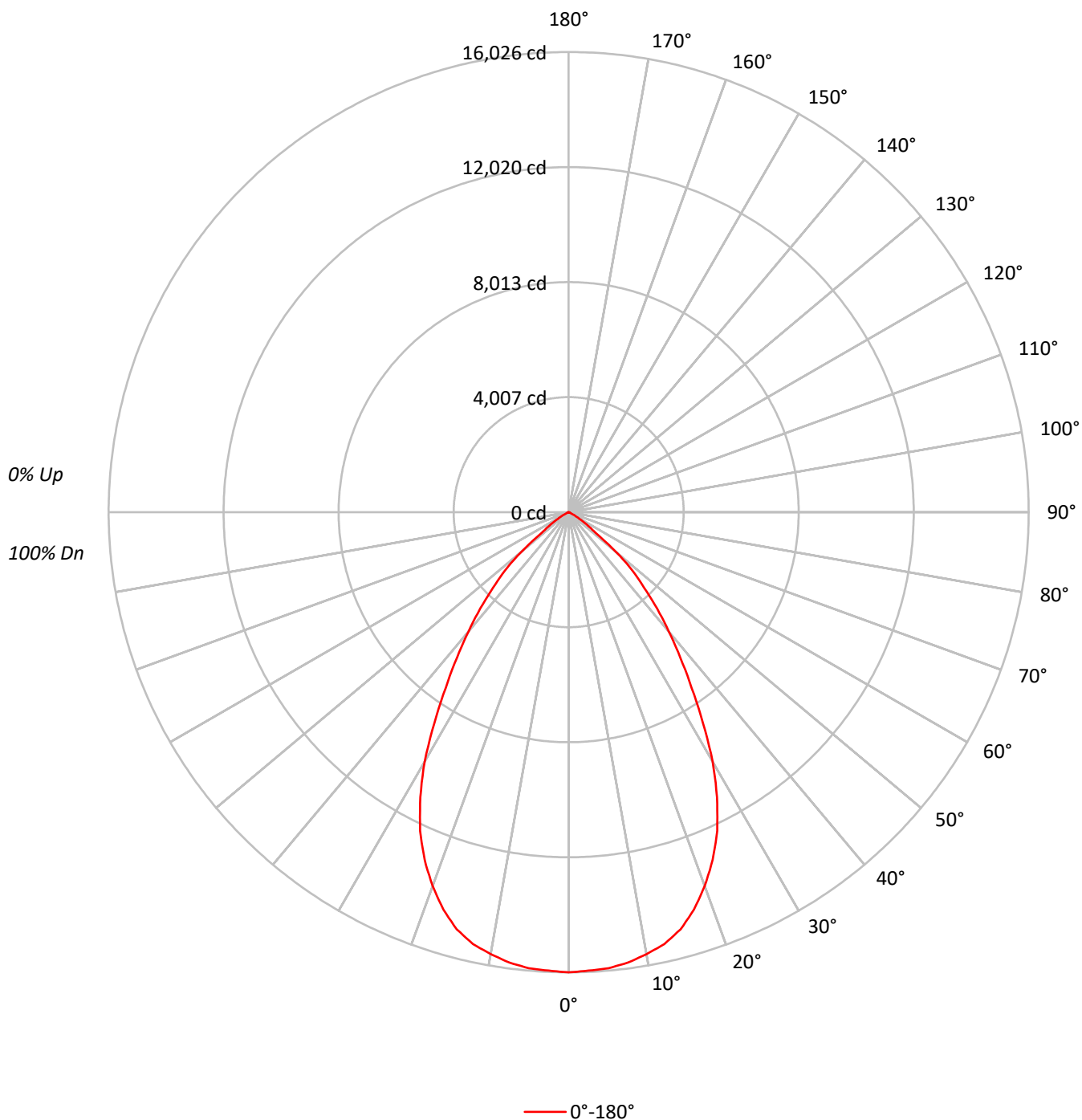
Lumens per Lamp: N/A
Luminaire Lumens: 19820.2 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 156.4
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	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°	106905
5°	106755
10°	105853
15°	103892
20°	98352
25°	90084
30°	77309
35°	60811
40°	47232
45°	35101
50°	22623
55°	9545
60°	3858
65°	892
70°	525
75°	559
80°	599
85°	597

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 35101 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1511.6	7.6
10°-20°	4204.9	21.2
20°-30°	5558.1	28.0
30°-40°	4699.4	23.7
40°-50°	2891.6	14.6
50°-60°	831.3	4.2
60°-70°	92.5	0.5
70°-80°	22.6	0.1
80°-90°	8.5	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°	11274.5	56.9
0°-40°	15973.9	80.6
0°-60°	19696.7	99.4
0°-90°	19820.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19820.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16026	
5°	15942	###
15°	15043	4205
25°	12239	5558
35°	7467	4699
45°	3721	2892
55°	821	831
65°	56	92
75°	22	23
85°	8	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16025.5
2.5°	15979.5
5°	15942.1
7.5°	15821.4
10°	15626.8
12.5°	15402.8
15°	15043.2
17.5°	14510.0
20°	13854.2
22.5°	13106.5
25°	12238.8
27.5°	11188.8
30°	10036.3
32.5°	8701.5
35°	7467.3
37.5°	6384.3
40°	5423.8
42.5°	4557.0
45°	3720.6
47.5°	3028.4
50°	2179.9
52.5°	1175.9
55°	820.7
57.5°	538.5
60°	289.2
62.5°	132.9
65°	56.5
67.5°	31.3
70°	26.9
72.5°	24.3
75°	21.7
77.5°	18.2
80°	15.6
82.5°	11.3
85°	7.8
87.5°	4.3
90°	0.0

(END OF REPORT)