

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: P1504936

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504936
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-80)
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 (3000K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

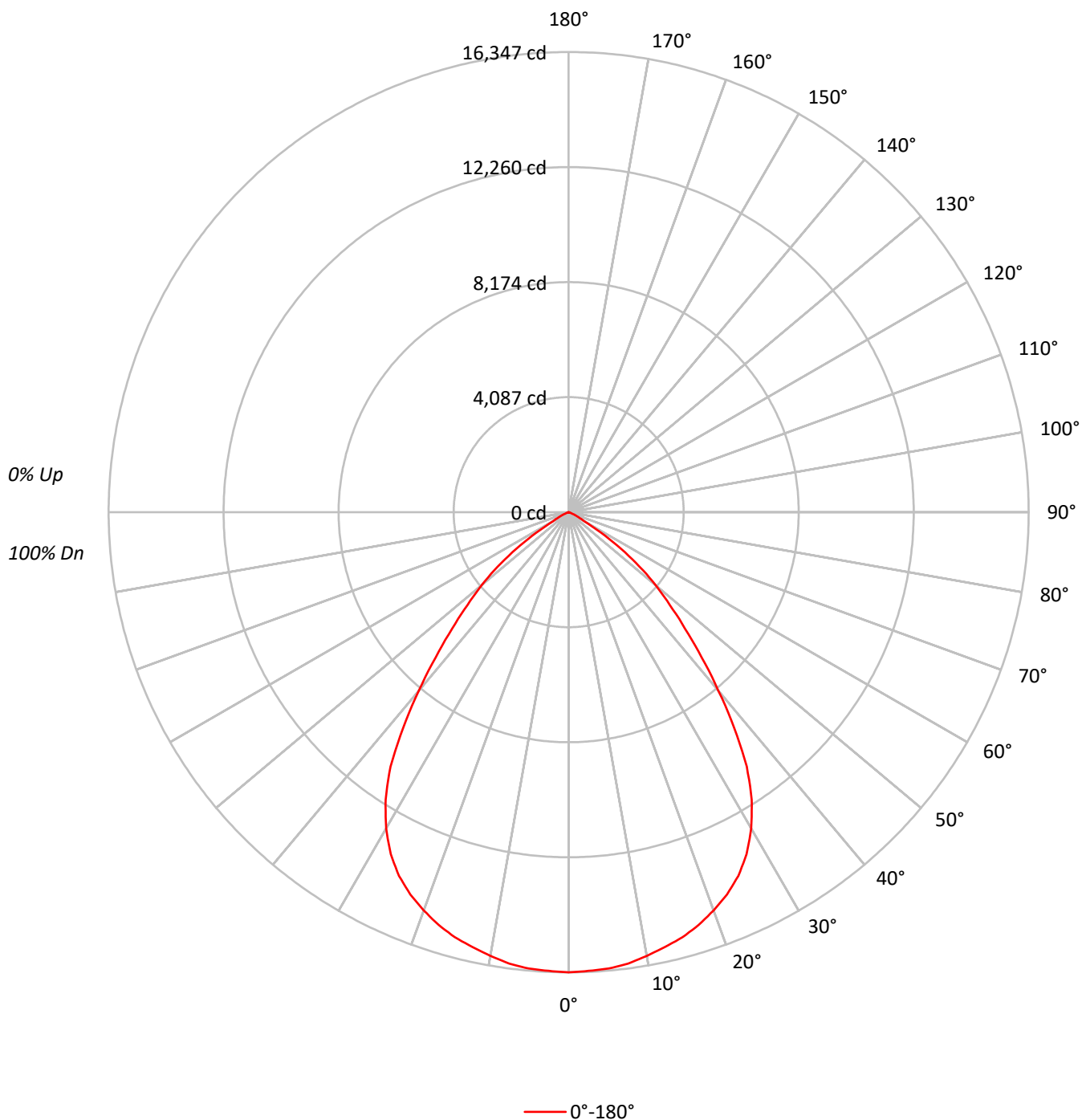
Lumens per Lamp: N/A
Luminaire Lumens: 26164.7 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 199.4
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					0
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	97	96	96	94	93	91			
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	79	76	74			
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	72	68	67			
5	86	76	69	64	84	75	69	64	73	67	63	71	66	62	70	65	62	60			
6	81	70	63	58	79	69	62	57	68	61	57	66	61	57	65	60	56	54			
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45			
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42			
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	119949
5°	119873
10°	119232
15°	118727
20°	117552
25°	115420
30°	109919
35°	98830
40°	79290
45°	60676
50°	46187
55°	29151
60°	9413
65°	4585
70°	1236
75°	479
80°	587
85°	665

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 60676 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1544.8	5.9
10°-20°	4405.0	16.8
20°-30°	6528.6	25.0
30°-40°	6763.1	25.8
40°-50°	4577.9	17.5
50°-60°	2025.5	7.7
60°-70°	286.3	1.1
70°-80°	25.3	0.1
80°-90°	8.1	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°	12478.4	47.7
0°-40°	19241.6	73.5
0°-60°	25844.9	98.8
0°-90°	26164.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26164.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16347	
5°	16275	###
15°	15629	4405
25°	14256	6529
35°	11033	6763
45°	5847	4578
55°	2279	2025
65°	264	286
75°	17	25
85°	8	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16347.1
2.5°	16308.4
5°	16274.6
7.5°	16172.4
10°	16002.6
12.5°	15817.9
15°	15629.2
17.5°	15372.1
20°	15054.3
22.5°	14695.9
25°	14256.1
27.5°	13693.1
30°	12973.2
32.5°	12107.4
35°	11033.1
37.5°	9668.9
40°	8277.8
42.5°	6995.0
45°	5847.2
47.5°	4872.2
50°	4046.1
52.5°	3175.3
55°	2278.7
57.5°	1366.2
60°	641.4
62.5°	418.0
65°	264.1
67.5°	137.0
70°	57.6
72.5°	27.8
75°	16.9
77.5°	15.9
80°	13.9
82.5°	10.9
85°	7.9
87.5°	4.0
90°	0.0

(END OF REPORT)