

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: P1504948

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504948
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 (3500K_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

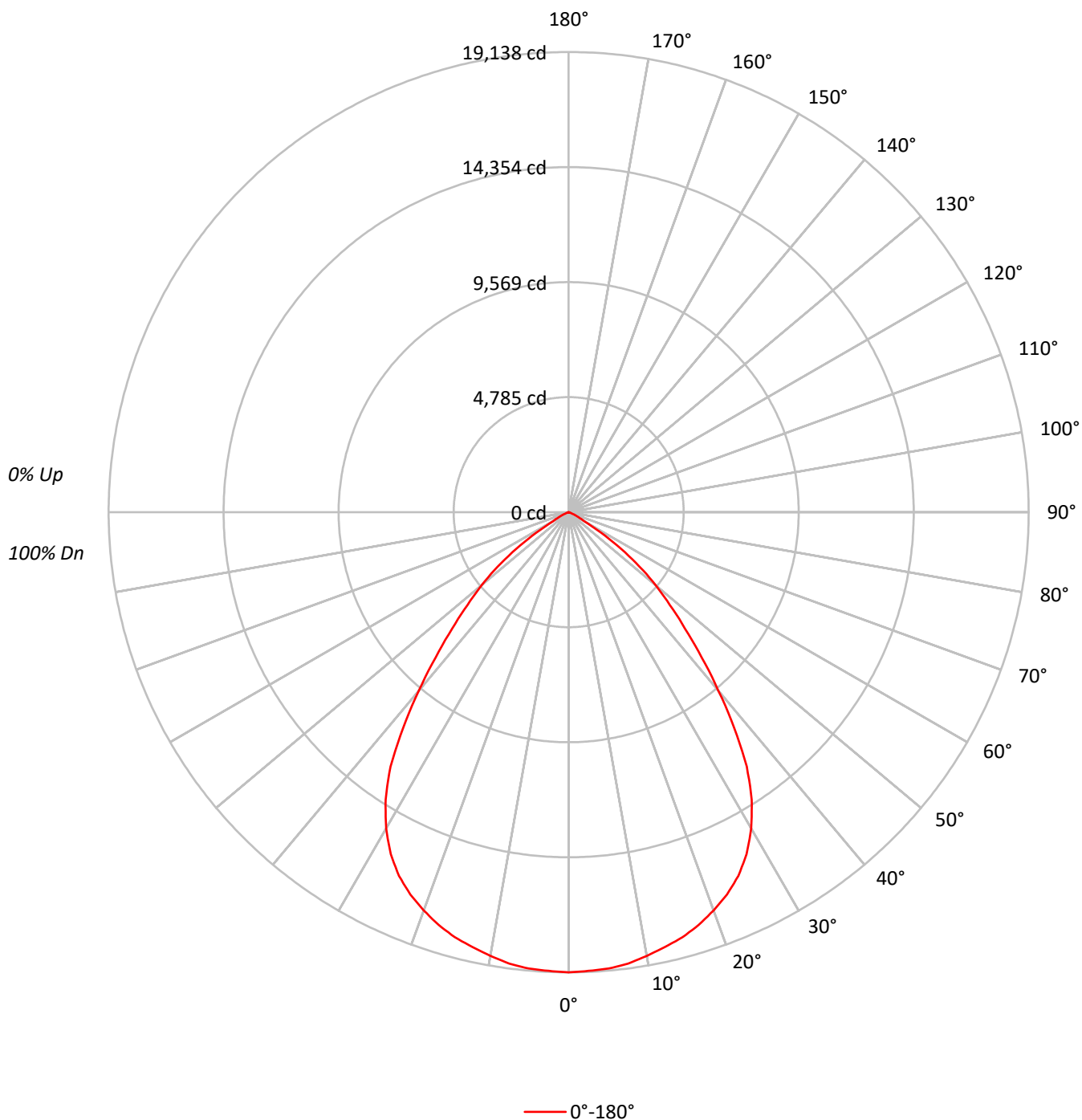
Lumens per Lamp: N/A
Luminaire Lumens: 30632.5 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	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°	140431
5°	140342
10°	139592
15°	139000
20°	137625
25°	135128
30°	128688
35°	115706
40°	92829
45°	71036
50°	54074
55°	34128
60°	11020
65°	5368
70°	1446
75°	561
80°	689
85°	783

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 71036 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1808.6	5.9
10°-20°	5157.2	16.8
20°-30°	7643.4	25.0
30°-40°	7918.0	25.8
40°-50°	5359.6	17.5
50°-60°	2371.3	7.7
60°-70°	335.2	1.1
70°-80°	29.7	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°	14609.2	47.7
0°-40°	22527.2	73.5
0°-60°	30258.1	98.8
0°-90°	30632.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30632.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19138	
5°	19054	###
15°	18298	5157
25°	16690	7643
35°	12917	7918
45°	6846	5360
55°	2668	2371
65°	309	335
75°	20	30
85°	9	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	19138.5
2.5°	19093.1
5°	19053.6
7.5°	18933.9
10°	18735.1
12.5°	18518.9
15°	18298.0
17.5°	17997.0
20°	17625.0
22.5°	17205.3
25°	16690.4
27.5°	16031.3
30°	15188.5
32.5°	14174.8
35°	12917.1
37.5°	11319.9
40°	9691.3
42.5°	8189.4
45°	6845.6
47.5°	5704.1
50°	4737.0
52.5°	3717.5
55°	2667.8
57.5°	1599.5
60°	750.9
62.5°	489.4
65°	309.2
67.5°	160.4
70°	67.4
72.5°	32.5
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)