

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: P1505303

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505303
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-91)
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-B-04-BLAK-PS (3500K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

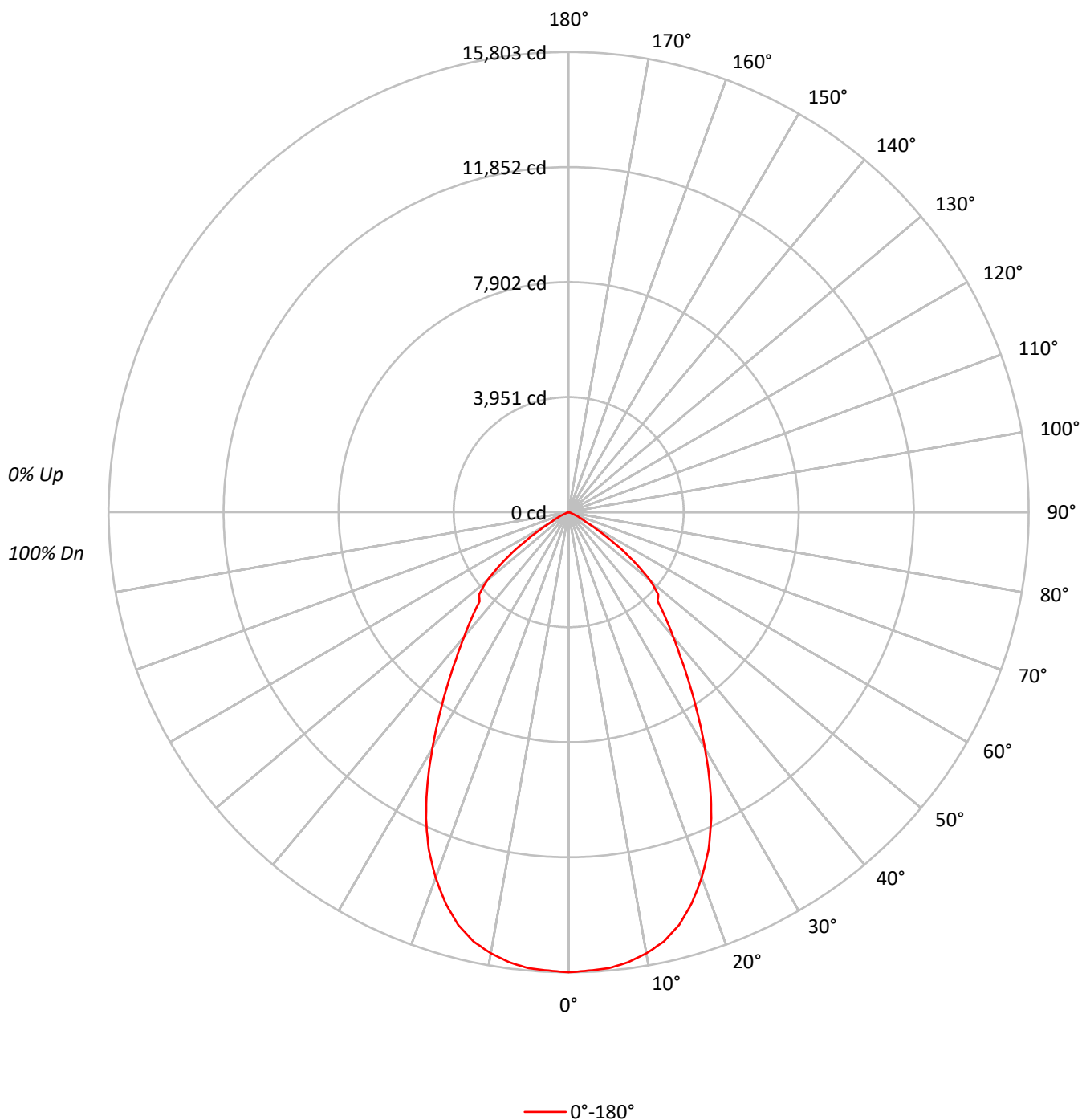
Lumens per Lamp: N/A
Luminaire Lumens: 21190.7 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 157.5
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	98	96	96	94	93	91			
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67			
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55			
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51			
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	47			
9	68	57	50	45	67	56	49	45	55	49	45	54	49	45	53	48	44	43			
10	64	53	46	42	63	52	46	42	52	46	42	51	45	41	50	45	41	40			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	113176
5°	113048
10°	111861
15°	108770
20°	101820
25°	91600
30°	77381
35°	63390
40°	52187
45°	43769
50°	40747
55°	27456
60°	10693
65°	5333
70°	1390
75°	412
80°	478
85°	542

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 44262 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1489.7	7.0
10°-20°	4095.9	19.3
20°-30°	5268.2	24.9
30°-40°	4560.2	21.5
40°-50°	3474.7	16.4
50°-60°	1930.7	9.1
60°-70°	339.1	1.6
70°-80°	25.5	0.1
80°-90°	6.7	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°	10853.8	51.2
0°-40°	15414.0	72.7
0°-60°	20819.4	98.2
0°-90°	21190.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21190.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15803	
5°	15725	###
15°	14670	4096
25°	11592	5268
35°	7250	4560
45°	4321	3475
55°	2199	1931
65°	315	339
75°	15	26
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	15802.6
2.5°	15756.9
5°	15724.6
7.5°	15591.7
10°	15381.6
12.5°	15099.3
15°	14669.9
17.5°	14072.1
20°	13359.6
22.5°	12549.9
25°	11591.6
27.5°	10499.6
30°	9357.0
32.5°	8270.0
35°	7250.3
37.5°	6343.5
40°	5582.0
42.5°	4926.8
45°	4321.4
47.5°	4175.3
50°	3657.1
52.5°	2938.0
55°	2198.9
57.5°	1383.5
60°	746.5
62.5°	504.9
65°	314.7
67.5°	157.8
70°	66.4
72.5°	29.1
75°	14.9
77.5°	14.1
80°	11.6
82.5°	9.1
85°	6.6
87.5°	3.3
90°	0.0

(END OF REPORT)