

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: P1505329

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (6500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505329
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-92)
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 (6500K_L24_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

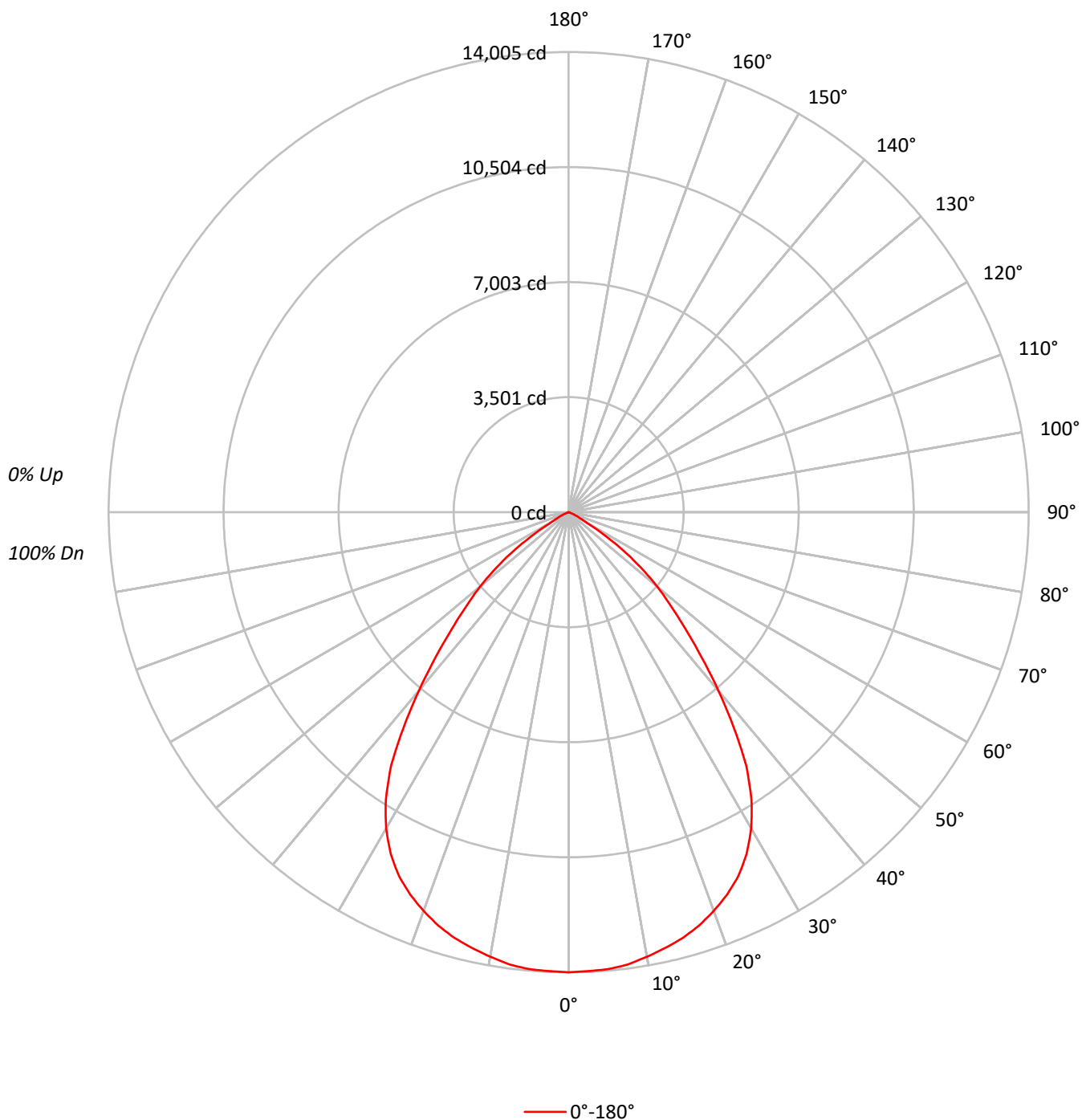
Lumens per Lamp: N/A
Luminaire Lumens: 22486.4 lumens
Efficiency: N/A
Efficacy: 140.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 159.8
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	94	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	78	76	74			
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66			
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60			
6	81	70	63	58	79	69	62	57	67	61	57	66	61	56	64	60	56	54			
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45			
9	67	55	48	44	65	55	48	44	54	48	43	53	47	43	52	47	43	41			
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°	100303
5°	100345
10°	99916
15°	99481
20°	98428
25°	96556
30°	91902
35°	82402
40°	66201
45°	50888
50°	39022
55°	25215
60°	8157
65°	3949
70°	1064
75°	423
80°	491
85°	559

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 50888 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1325.4	5.9
10°-20°	3781.2	16.8
20°-30°	5595.5	24.9
30°-40°	5782.4	25.7
40°-50°	3934.1	17.5
50°-60°	1784.2	7.9
60°-70°	253.7	1.1
70°-80°	22.7	0.1
80°-90°	7.1	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°	10702.1	47.6
0°-40°	16484.5	73.3
0°-60°	22202.8	98.7
0°-90°	22486.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22486.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14005	
5°	13958	###
15°	13417	3781
25°	12219	5596
35°	9425	5782
45°	5024	3934
55°	2019	1784
65°	233	254
75°	15	23
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	14005.1
2.5°	13978.9
5°	13957.7
7.5°	13879.7
10°	13739.1
12.5°	13584.8
15°	13417.0
17.5°	13192.5
20°	12914.5
22.5°	12600.1
25°	12218.8
27.5°	11730.7
30°	11112.9
32.5°	10361.3
35°	9424.9
37.5°	8255.5
40°	7081.0
42.5°	5995.4
45°	5024.3
47.5°	4204.0
50°	3502.3
52.5°	2771.9
55°	2019.4
57.5°	1241.5
60°	569.5
62.5°	370.3
65°	233.0
67.5°	122.0
70°	50.8
72.5°	25.4
75°	15.3
77.5°	14.4
80°	11.9
82.5°	9.3
85°	6.8
87.5°	4.2
90°	0.0

(END OF REPORT)