

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: P1505312

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (4000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505312
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 (4000K_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

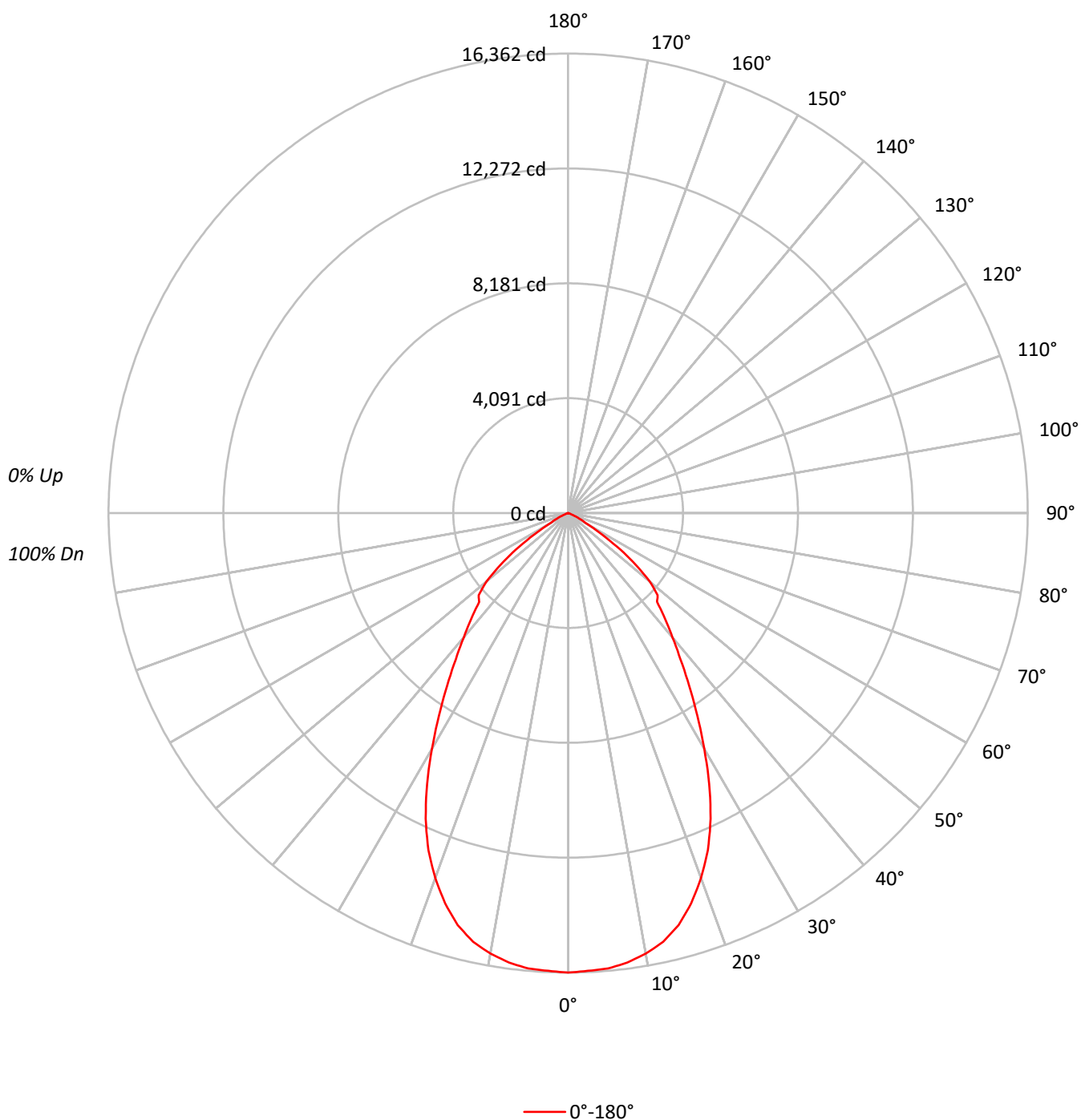
Lumens per Lamp: N/A
Luminaire Lumens: 21941.3 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 155.7
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°	117185
5°	117052
10°	115823
15°	112623
20°	105426
25°	94844
30°	80121
35°	65634
40°	54035
45°	45320
50°	42190
55°	28429
60°	11072
65°	5523
70°	1441
75°	429
80°	495
85°	567

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 45830 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1542.5	7.0
10°-20°	4241.0	19.3
20°-30°	5454.8	24.9
30°-40°	4721.7	21.5
40°-50°	3597.8	16.4
50°-60°	1999.1	9.1
60°-70°	351.1	1.6
70°-80°	26.4	0.1
80°-90°	7.0	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°	11238.2	51.2
0°-40°	15959.9	72.7
0°-60°	21556.7	98.2
0°-90°	21941.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21941.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16362	
5°	16282	###
15°	15190	4241
25°	12002	5455
35°	7507	4722
45°	4474	3598
55°	2277	1999
65°	326	351
75°	16	26
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16362.3
2.5°	16315.0
5°	16281.5
7.5°	16143.9
10°	15926.4
12.5°	15634.0
15°	15189.5
17.5°	14570.4
20°	13832.7
22.5°	12994.4
25°	12002.2
27.5°	10871.5
30°	9688.4
32.5°	8562.9
35°	7507.0
37.5°	6568.1
40°	5779.7
42.5°	5101.3
45°	4474.5
47.5°	4323.2
50°	3786.6
52.5°	3042.0
55°	2276.8
57.5°	1432.5
60°	773.0
62.5°	522.8
65°	325.9
67.5°	163.4
70°	68.8
72.5°	30.1
75°	15.5
77.5°	14.6
80°	12.0
82.5°	9.5
85°	6.9
87.5°	3.4
90°	0.0

(END OF REPORT)