

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: P1505429

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (3000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505429
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-97)
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-WHGL-PS (3000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

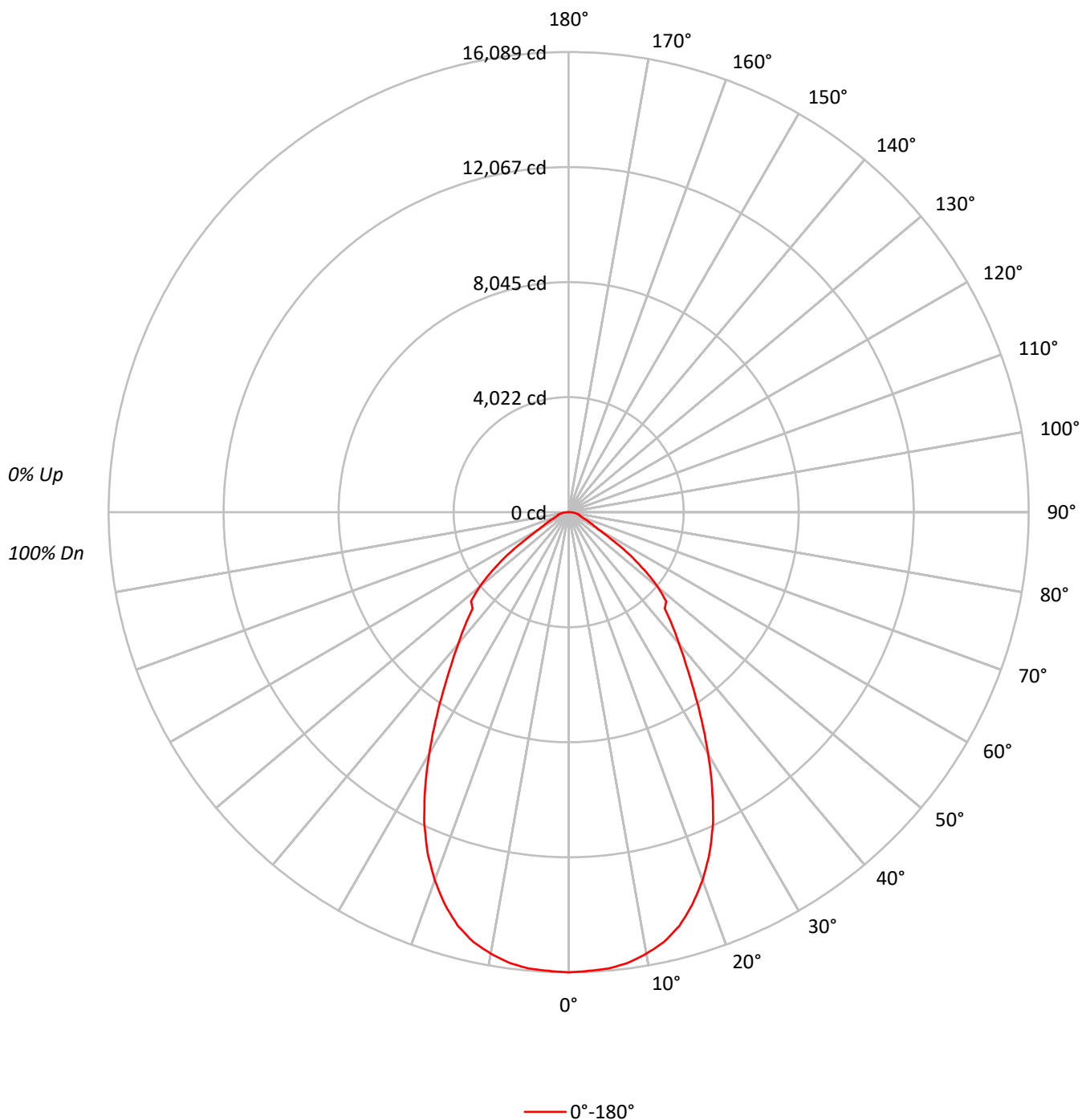
Lumens per Lamp: N/A
Luminaire Lumens: 23412.2 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 159.4
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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	97	89	83	77	95	87	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	56	78	67	60	55	66	60	55	64	59	54	63	58	54	52		
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48		
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	115229
5°	115136
10°	113988
15°	110993
20°	104314
25°	94407
30°	80589
35°	66843
40°	56151
45°	48089
50°	45455
55°	32748
60°	17088
65°	12806
70°	9882
75°	10615
80°	12010
85°	12540

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 49090 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1517.9	6.5
10°-20°	4182.7	17.9
20°-30°	5432.5	23.2
30°-40°	4812.7	20.6
40°-50°	3810.1	16.3
50°-60°	2316.7	9.9
60°-70°	772.1	3.3
70°-80°	404.2	1.7
80°-90°	163.3	0.7
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°	11133.1	47.6
0°-40°	15945.8	68.1
0°-60°	22072.6	94.3
0°-90°	23412.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23412.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16089	
5°	16015	###
15°	14970	4183
25°	11947	5433
35°	7645	4813
45°	4748	3810
55°	2623	2317
65°	756	772
75°	384	404
85°	153	163
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16089.2
2.5°	16054.6
5°	16015.0
7.5°	15891.2
10°	15674.2
12.5°	15394.6
15°	14969.7
17.5°	14384.8
20°	13686.8
22.5°	12886.6
25°	11946.9
27.5°	10863.6
30°	9744.9
32.5°	8664.2
35°	7645.3
37.5°	6753.5
40°	6006.0
42.5°	5352.6
45°	4747.9
47.5°	4630.7
50°	4079.6
52.5°	3366.0
55°	2622.7
57.5°	1817.5
60°	1193.0
62.5°	959.5
65°	755.7
67.5°	582.5
70°	471.9
72.5°	419.9
75°	383.6
77.5°	345.7
80°	291.2
82.5°	226.1
85°	152.6
87.5°	75.9
90°	0.0

(END OF REPORT)