

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: P1505071

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (3000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505071
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-86)
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-WHGL-PS (3000K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

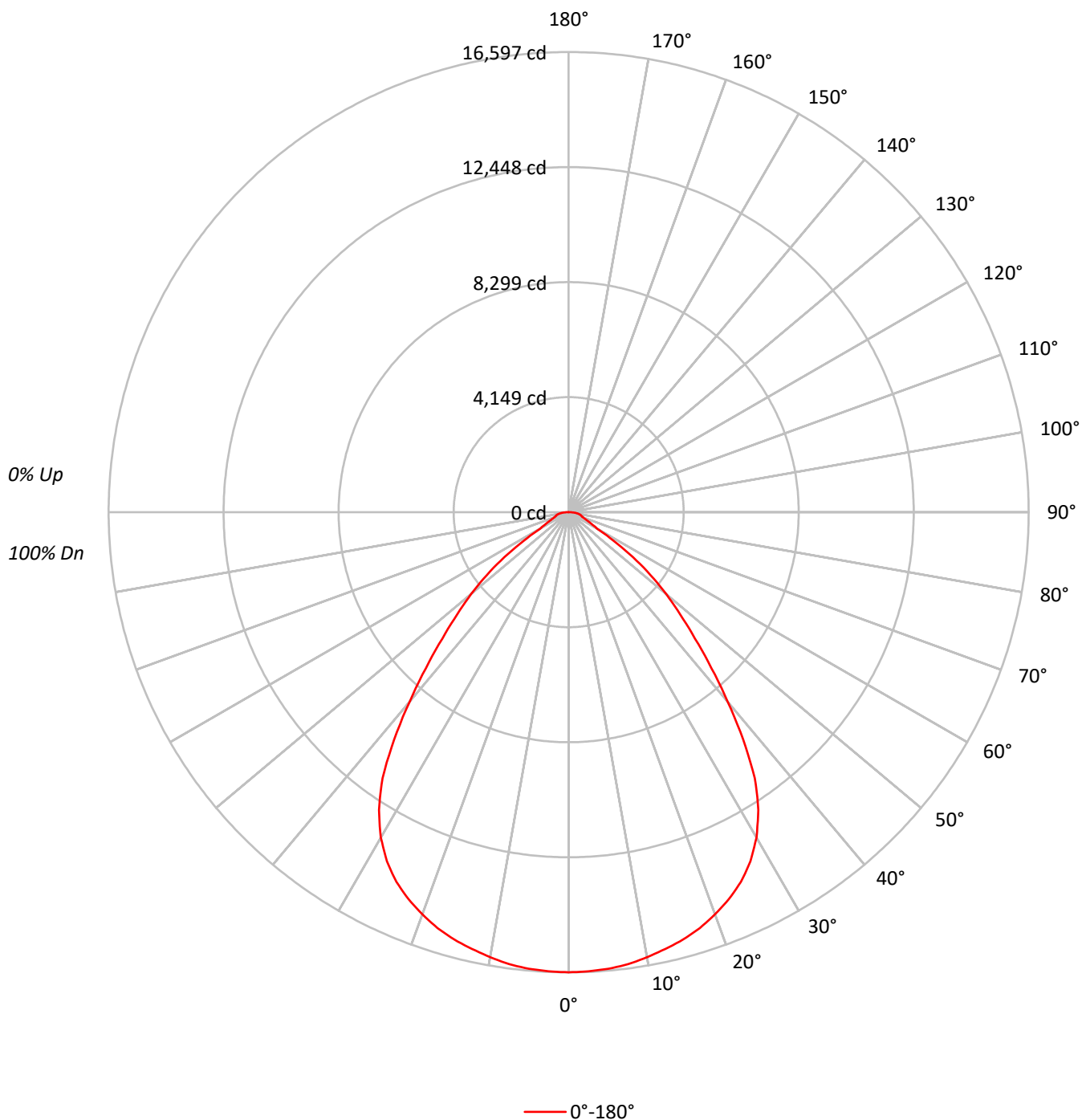
Lumens per Lamp: N/A
Luminaire Lumens: 29064.2 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.17
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 199.4
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	91	90		
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	81	80		
3	97	89	82	77	95	87	81	76	84	79	75	82	78	74	79	76	73	71		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63		
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57		
6	79	68	60	55	77	67	60	54	65	59	54	63	58	54	62	57	53	51		
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47		
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39		
10	61	49	42	38	60	49	42	38	48	42	38	47	42	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	121785
5°	121782
10°	121430
15°	121231
20°	120529
25°	119093
30°	114807
35°	104887
40°	85586
45°	66847
50°	52387
55°	36251
60°	17368
65°	13602
70°	11673
75°	13231
80°	15816
85°	18555

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 66847 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1570.7	5.4
10°-20°	4501.2	15.5
20°-30°	6745.2	23.2
30°-40°	7171.2	24.7
40°-50°	5041.2	17.3
50°-60°	2517.5	8.7
60°-70°	800.2	2.8
70°-80°	490.3	1.7
80°-90°	226.6	0.8
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°	12817.2	44.1
0°-40°	19988.4	68.8
0°-60°	27547.2	94.8
0°-90°	29064.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29064.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16597	
5°	16534	###
15°	15959	4501
25°	14710	6745
35°	11709	7171
45°	6442	5041
55°	2834	2518
65°	783	800
75°	467	490
85°	220	227
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16597.3
2.5°	16571.5
5°	16533.8
7.5°	16442.4
10°	16297.5
12.5°	16134.6
15°	15958.9
17.5°	15728.5
20°	15435.6
22.5°	15106.0
25°	14709.8
27.5°	14199.5
30°	13550.1
32.5°	12734.9
35°	11709.3
37.5°	10340.1
40°	8935.1
42.5°	7623.5
45°	6441.9
47.5°	5448.0
50°	4589.2
52.5°	3723.4
55°	2833.7
57.5°	1914.3
60°	1183.5
62.5°	955.2
65°	783.4
67.5°	638.4
70°	544.1
72.5°	500.4
75°	466.7
77.5°	429.9
80°	374.3
82.5°	303.8
85°	220.4
87.5°	121.1
90°	0.0

(END OF REPORT)