

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: P1505070

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (3000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505070
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-87)
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_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

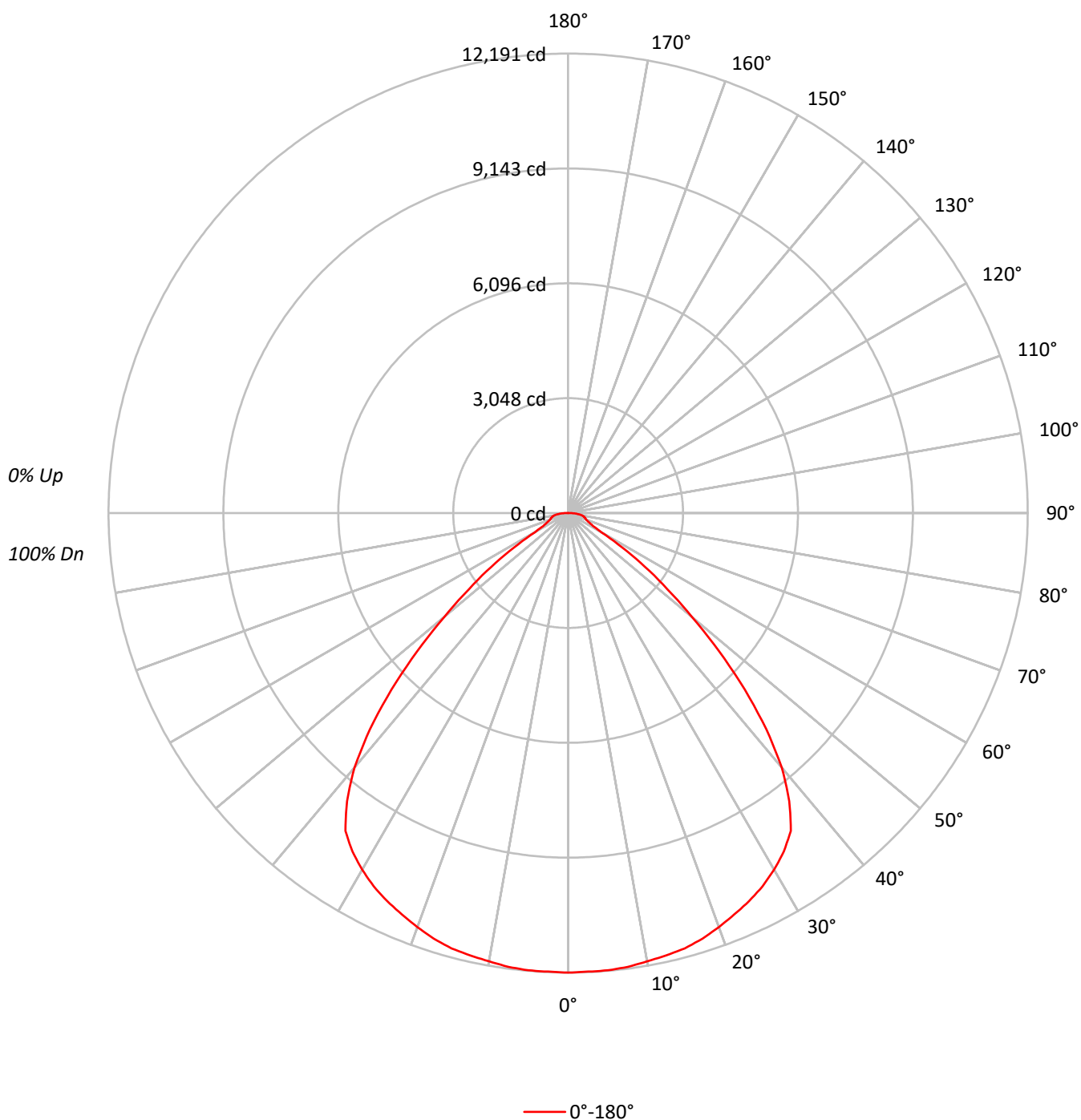
Lumens per Lamp: N/A
Luminaire Lumens: 24795.8 lumens
Efficiency: N/A
Efficacy: 155.6 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

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	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89		
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	64	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55		
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49		
7	72	60	53	47	71	60	52	47	58	52	47	57	51	47	56	50	46	45		
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40		
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37		
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	89454
5°	89686
10°	89985
15°	90823
20°	91284
25°	91961
30°	92576
35°	92242
40°	84452
45°	68737
50°	48981
55°	31831
60°	14976
65°	11129
70°	10956
75°	12933
80°	16002
85°	19869

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 68737 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1159.1	4.7
10°-20°	3374.8	13.6
20°-30°	5238.5	21.1
30°-40°	6327.6	25.5
40°-50°	5061.3	20.4
50°-60°	2250.1	9.1
60°-70°	670.3	2.7
70°-80°	478.0	1.9
80°-90°	236.2	1.0
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°	9772.4	39.4
0°-40°	16100.0	64.9
0°-60°	23411.4	94.4
0°-90°	24795.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24795.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12191	
5°	12176	###
15°	11956	3375
25°	11359	5239
35°	10298	6328
45°	6624	5061
55°	2488	2250
65°	641	670
75°	456	478
85°	236	236
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12191.1
2.5°	12177.9
5°	12176.2
7.5°	12142.4
10°	12077.2
12.5°	12017.8
15°	11955.9
17.5°	11840.4
20°	11690.3
22.5°	11526.1
25°	11358.6
27.5°	11164.8
30°	10926.3
32.5°	10647.5
35°	10297.7
37.5°	9635.2
40°	8816.8
42.5°	7779.0
45°	6624.0
47.5°	5435.1
50°	4290.8
52.5°	3315.7
55°	2488.2
57.5°	1697.0
60°	1020.5
62.5°	745.0
65°	641.0
67.5°	561.0
70°	510.7
72.5°	482.6
75°	456.2
77.5°	425.7
80°	378.7
82.5°	317.6
85°	236.0
87.5°	124.6
90°	0.0

(END OF REPORT)