

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: P1505271

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (4000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505271
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-111)
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-06-WHGL-PS (4000K_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

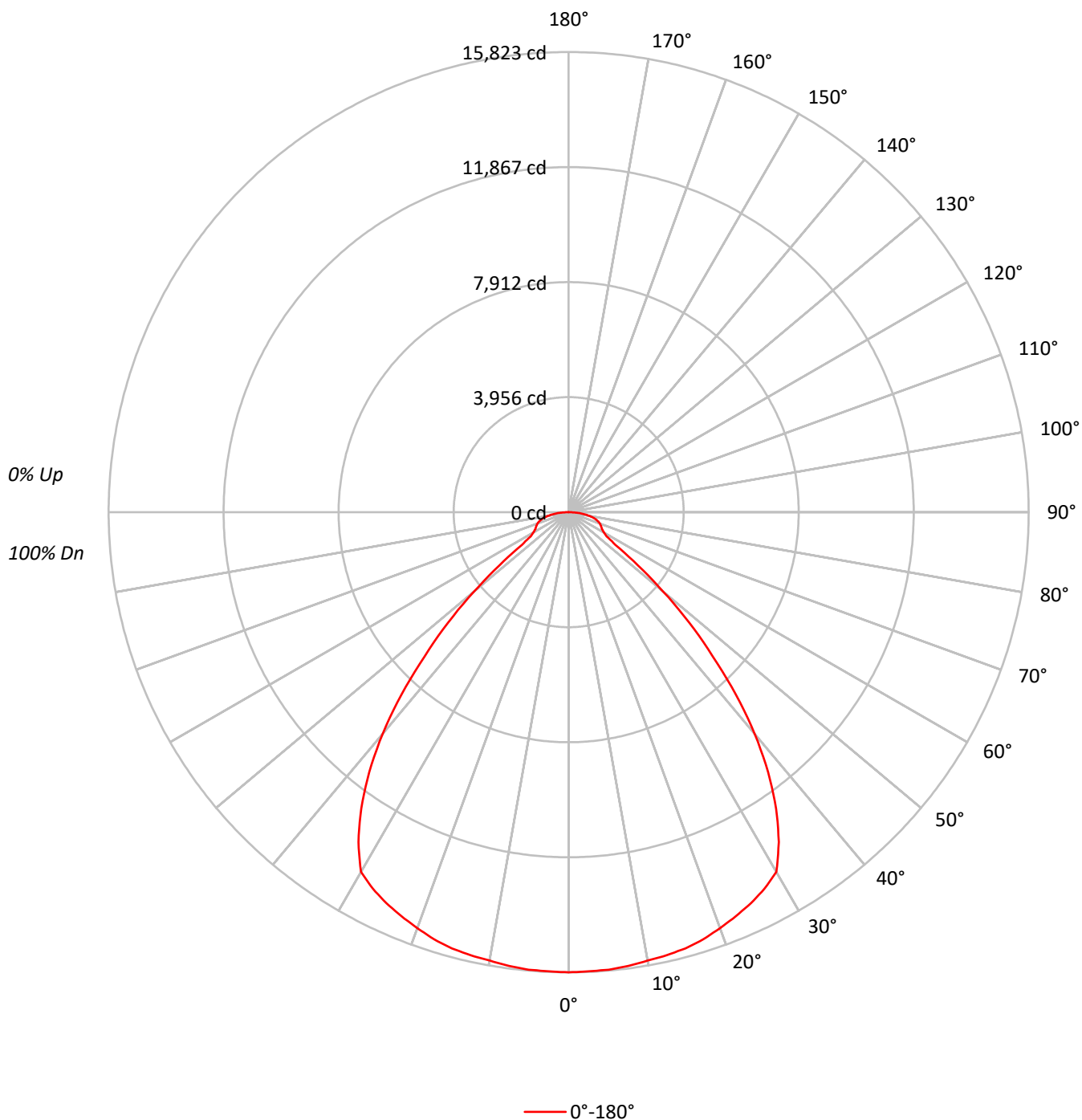
Lumens per Lamp: N/A
Luminaire Lumens: 30533.9 lumens
Efficiency: N/A
Efficacy: 157.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 194.3
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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78		
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69		
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62		
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55		
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50		
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	45		
8	68	56	49	43	67	55	48	43	54	48	43	53	47	43	52	47	43	41		
9	64	52	45	40	63	51	44	40	50	44	39	49	43	39	48	43	39	37		
10	60	48	41	36	59	48	41	36	47	41	36	46	40	36	45	40	36	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	105553
5°	105739
10°	106063
15°	107226
20°	108031
25°	109201
30°	110037
35°	101317
40°	86756
45°	66087
50°	44047
55°	22760
60°	18689
65°	19636
70°	22266
75°	25112
80°	27349
85°	27363

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 66087 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1502.8	4.9
10°-20°	4385.0	14.4
20°-30°	6839.7	22.4
30°-40°	7687.8	25.2
40°-50°	5409.8	17.7
50°-60°	2066.9	6.8
60°-70°	1242.1	4.1
70°-80°	1011.0	3.3
80°-90°	388.7	1.3
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°	12727.5	41.7
0°-40°	20415.3	66.9
0°-60°	27892.0	91.3
0°-90°	30533.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30533.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15823	
5°	15790	###
15°	15526	4385
25°	14836	6840
35°	12441	7688
45°	7005	5410
55°	1957	2067
65°	1244	1242
75°	974	1011
85°	358	389
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	15822.9
2.5°	15798.8
5°	15790.4
7.5°	15738.2
10°	15657.7
12.5°	15601.2
15°	15526.0
17.5°	15398.4
20°	15217.6
22.5°	15035.7
25°	14836.0
27.5°	14591.4
30°	14285.1
32.5°	13455.1
35°	12441.1
37.5°	11269.2
40°	9962.5
42.5°	8523.0
45°	7005.1
47.5°	5624.1
50°	4244.2
52.5°	2999.2
55°	1956.9
57.5°	1547.2
60°	1400.8
62.5°	1301.5
65°	1244.0
67.5°	1194.9
70°	1141.6
72.5°	1069.4
75°	974.3
77.5°	858.3
80°	711.9
82.5°	540.5
85°	357.5
87.5°	174.6
90°	0.0

(END OF REPORT)