

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: P1505269

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (4000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505269
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-110)
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_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

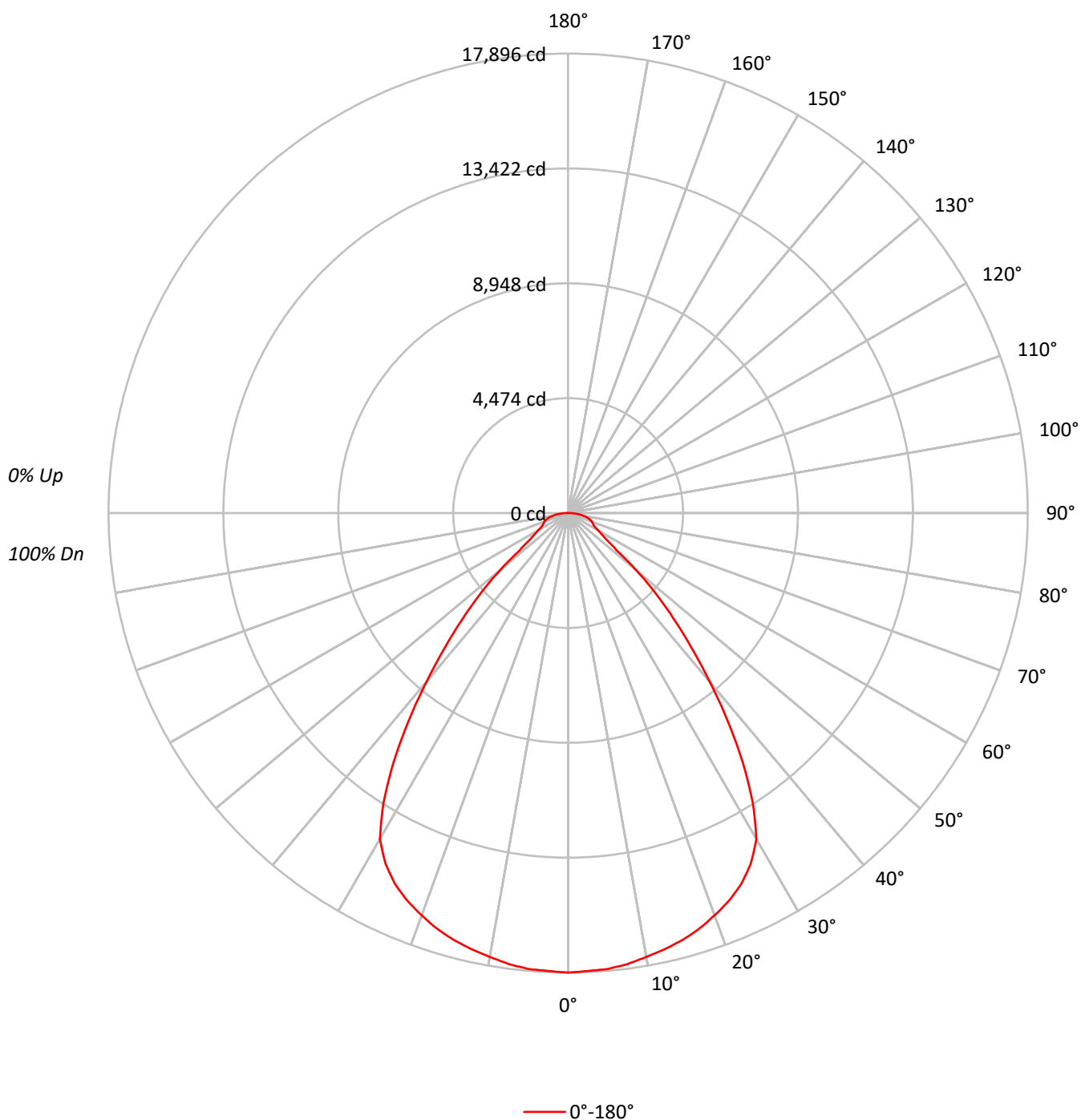
Lumens per Lamp: N/A
Luminaire Lumens: 29786.9 lumens
Efficiency: N/A
Efficacy: 153.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.13
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

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	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	88	82	77	95	87	81	76	84	79	75	82	77	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	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	45	55	49	45	54	49	45	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	119382
5°	119334
10°	118887
15°	118864
20°	118353
25°	117365
30°	112936
35°	96523
40°	74612
45°	54607
50°	35693
55°	21156
60°	17950
65°	17177
70°	19206
75°	21367
80°	23453
85°	25044

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 54607 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1692.3	5.7
10°-20°	4855.5	16.3
20°-30°	7304.8	24.5
30°-40°	7314.4	24.6
40°-50°	4493.9	15.1
50°-60°	1810.6	6.1
60°-70°	1104.7	3.7
70°-80°	863.7	2.9
80°-90°	347.1	1.2
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°	13852.6	46.5
0°-40°	21167.0	71.1
0°-60°	27471.5	92.2
0°-90°	29786.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29786.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17896	
5°	17821	###
15°	17211	4856
25°	15945	7305
35°	11852	7314
45°	5788	4494
55°	1819	1811
65°	1088	1105
75°	829	864
85°	327	347
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17895.8
2.5°	17850.9
5°	17820.6
7.5°	17715.0
10°	17550.9
12.5°	17395.1
15°	17211.1
17.5°	16974.9
20°	16671.7
22.5°	16347.6
25°	15945.2
27.5°	15397.4
30°	14661.4
32.5°	13380.8
35°	11852.5
37.5°	10208.1
40°	8567.9
42.5°	7088.7
45°	5788.3
47.5°	4607.0
50°	3439.3
52.5°	2378.2
55°	1819.0
57.5°	1556.6
60°	1345.4
62.5°	1174.0
65°	1088.2
67.5°	1032.8
70°	984.7
72.5°	916.8
75°	829.0
77.5°	727.6
80°	610.5
82.5°	477.7
85°	327.2
87.5°	165.2
90°	0.0

(END OF REPORT)