

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: P1505253

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (3000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505253
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 (3000K_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

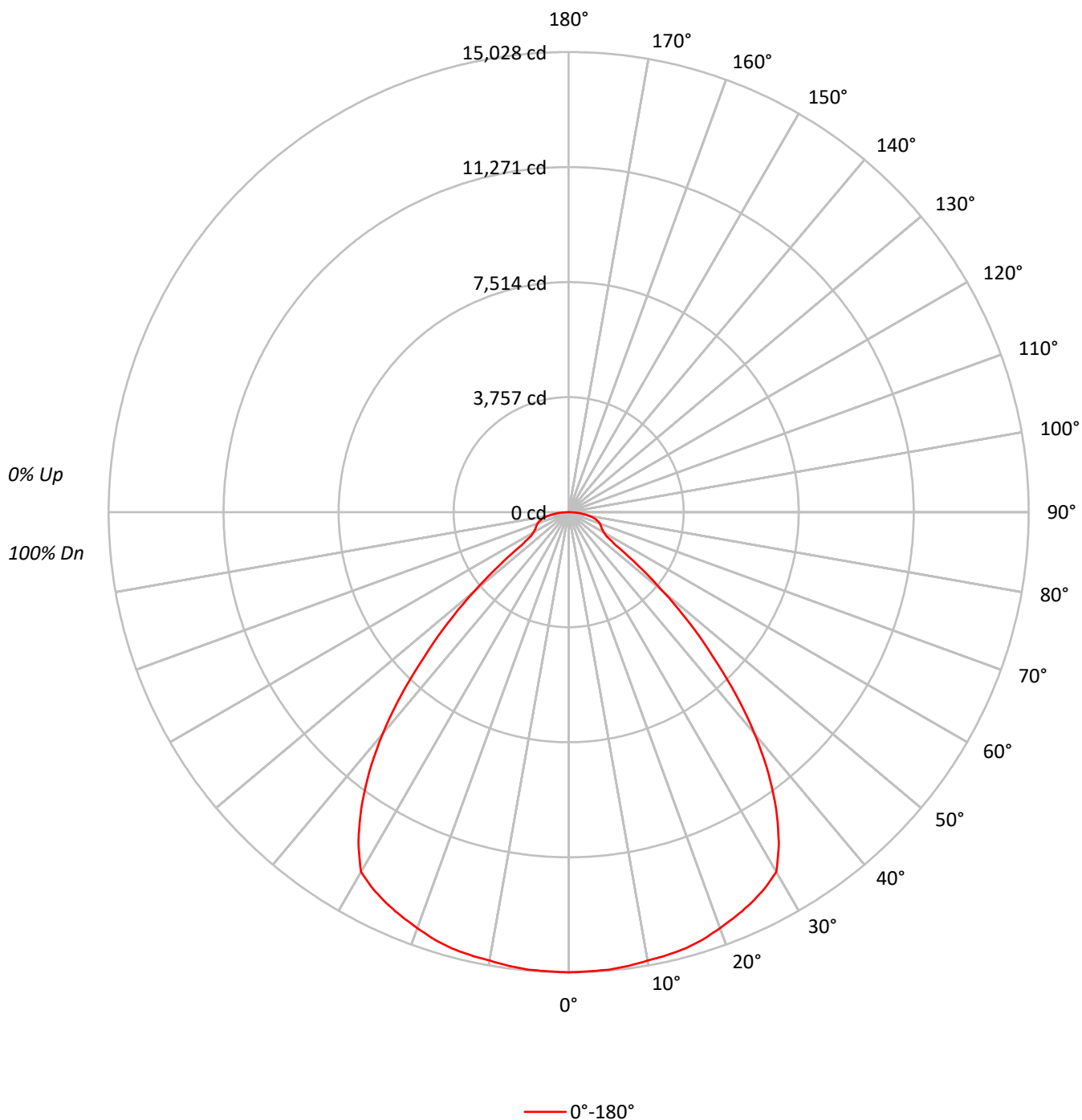
Lumens per Lamp: N/A
Luminaire Lumens: 29001.0 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	100254
5°	100431
10°	100738
15°	101844
20°	102607
25°	103719
30°	104513
35°	96230
40°	82400
45°	62769
50°	41836
55°	21617
60°	17751
65°	18651
70°	21147
75°	23852
80°	25977
85°	25993

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 62769 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1427.4	4.9
10°-20°	4164.9	14.4
20°-30°	6496.3	22.4
30°-40°	7301.8	25.2
40°-50°	5138.2	17.7
50°-60°	1963.2	6.8
60°-70°	1179.8	4.1
70°-80°	960.2	3.3
80°-90°	369.2	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°	12088.6	41.7
0°-40°	19390.4	66.9
0°-60°	26491.8	91.3
0°-90°	29001.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29001.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15028	
5°	14998	###
15°	14747	4165
25°	14091	6496
35°	11816	7302
45°	6653	5138
55°	1859	1963
65°	1182	1180
75°	925	960
85°	340	369
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	15028.5
2.5°	15005.7
5°	14997.8
7.5°	14948.1
10°	14871.7
12.5°	14818.0
15°	14746.6
17.5°	14625.4
20°	14453.6
22.5°	14280.9
25°	14091.2
27.5°	13858.9
30°	13568.0
32.5°	12779.6
35°	11816.5
37.5°	10703.5
40°	9462.3
42.5°	8095.1
45°	6653.4
47.5°	5341.8
50°	4031.2
52.5°	2848.6
55°	1858.7
57.5°	1469.5
60°	1330.5
62.5°	1236.2
65°	1181.6
67.5°	1134.9
70°	1084.2
72.5°	1015.7
75°	925.4
77.5°	815.2
80°	676.2
82.5°	513.3
85°	339.6
87.5°	165.8
90°	0.0

(END OF REPORT)