

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: P1505612

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (3000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505612
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-121)
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-B-06-WHGL-PS (3000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

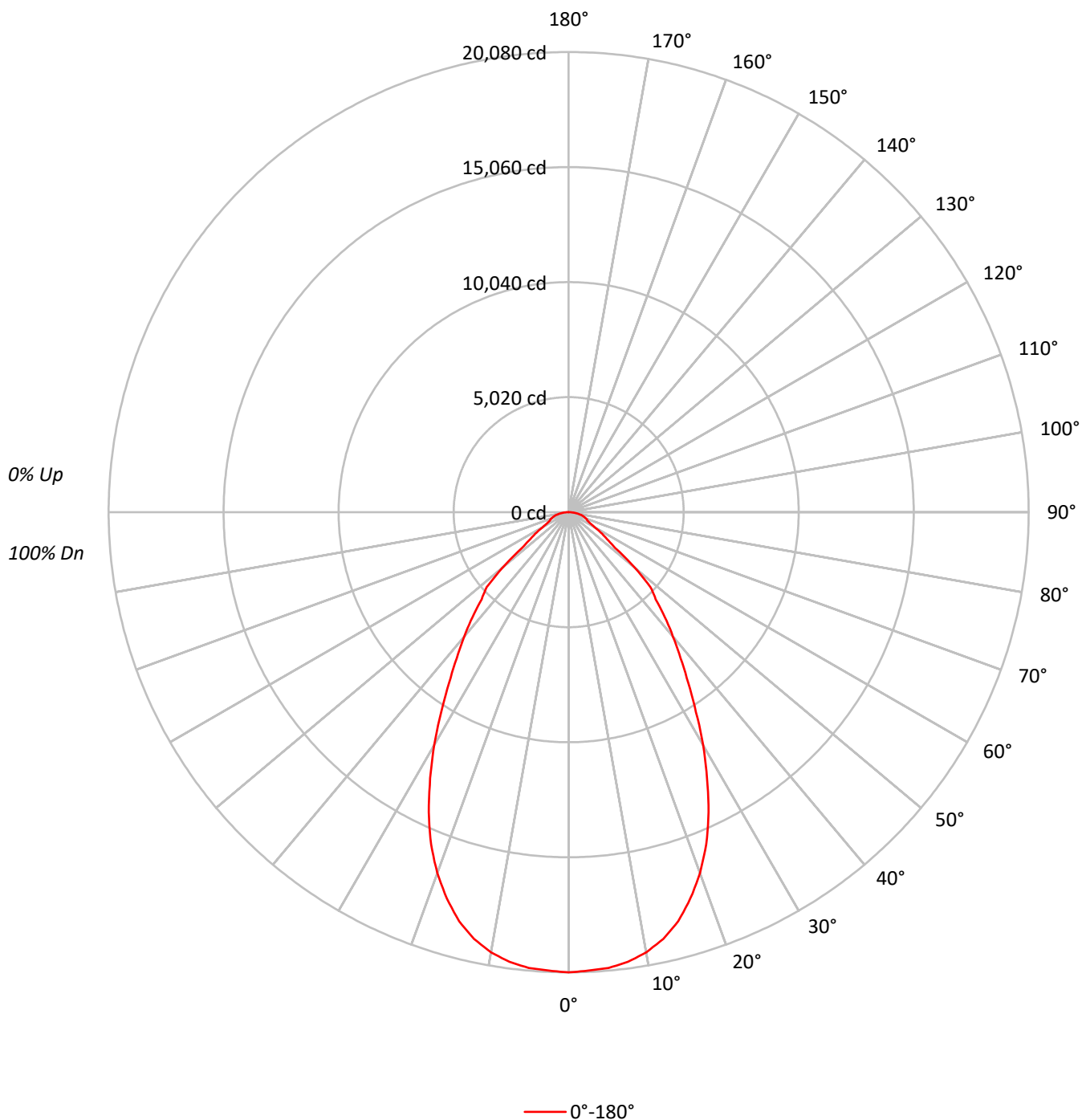
Lumens per Lamp: N/A
Luminaire Lumens: 27403.2 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

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	90	86	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72		
4	91	82	75	69	89	80	74	69	78	73	68	76	71	67	74	70	66	65		
5	85	75	68	62	83	74	67	62	72	66	62	70	65	61	69	64	60	59		
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53		
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49		
8	71	59	52	47	69	59	52	47	58	51	47	57	51	47	55	50	47	45		
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42		
10	63	52	45	41	62	51	45	40	50	44	40	50	44	40	49	44	40	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	127935
5°	127662
10°	126164
15°	121865
20°	113614
25°	101571
30°	86288
35°	70723
40°	58896
45°	48417
50°	37545
55°	22620
60°	16802
65°	14055
70°	15055
75°	15912
80°	15920
85°	15607

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48417 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1890.8	6.9
10°-20°	5158.1	18.8
20°-30°	6581.1	24.0
30°-40°	5734.4	20.9
40°-50°	4202.7	15.3
50°-60°	1957.8	7.1
60°-70°	971.7	3.5
70°-80°	672.5	2.5
80°-90°	234.1	0.9
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°	13630.0	49.7
0°-40°	19364.4	70.7
0°-60°	25524.9	93.1
0°-90°	27403.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27403.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20080	
5°	19961	###
15°	18476	5158
25°	14449	6581
35°	9093	5734
45°	5374	4203
55°	2036	1958
65°	932	972
75°	646	672
85°	214	234
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	20080.4
2.5°	20021.8
5°	19961.3
7.5°	19789.5
10°	19501.6
12.5°	19071.6
15°	18475.9
17.5°	17672.6
20°	16757.2
22.5°	15690.8
25°	14448.7
27.5°	13086.4
30°	11729.1
32.5°	10350.0
35°	9093.0
37.5°	8027.6
40°	7081.4
42.5°	6214.6
45°	5373.6
47.5°	4851.3
50°	3787.9
52.5°	2557.7
55°	2036.4
57.5°	1666.1
60°	1318.6
62.5°	1069.4
65°	932.3
67.5°	862.8
70°	808.2
72.5°	736.7
75°	646.4
77.5°	544.1
80°	433.9
82.5°	323.7
85°	213.5
87.5°	106.2
90°	0.0

(END OF REPORT)