

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: P1505270

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (4000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505270
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-109)
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_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

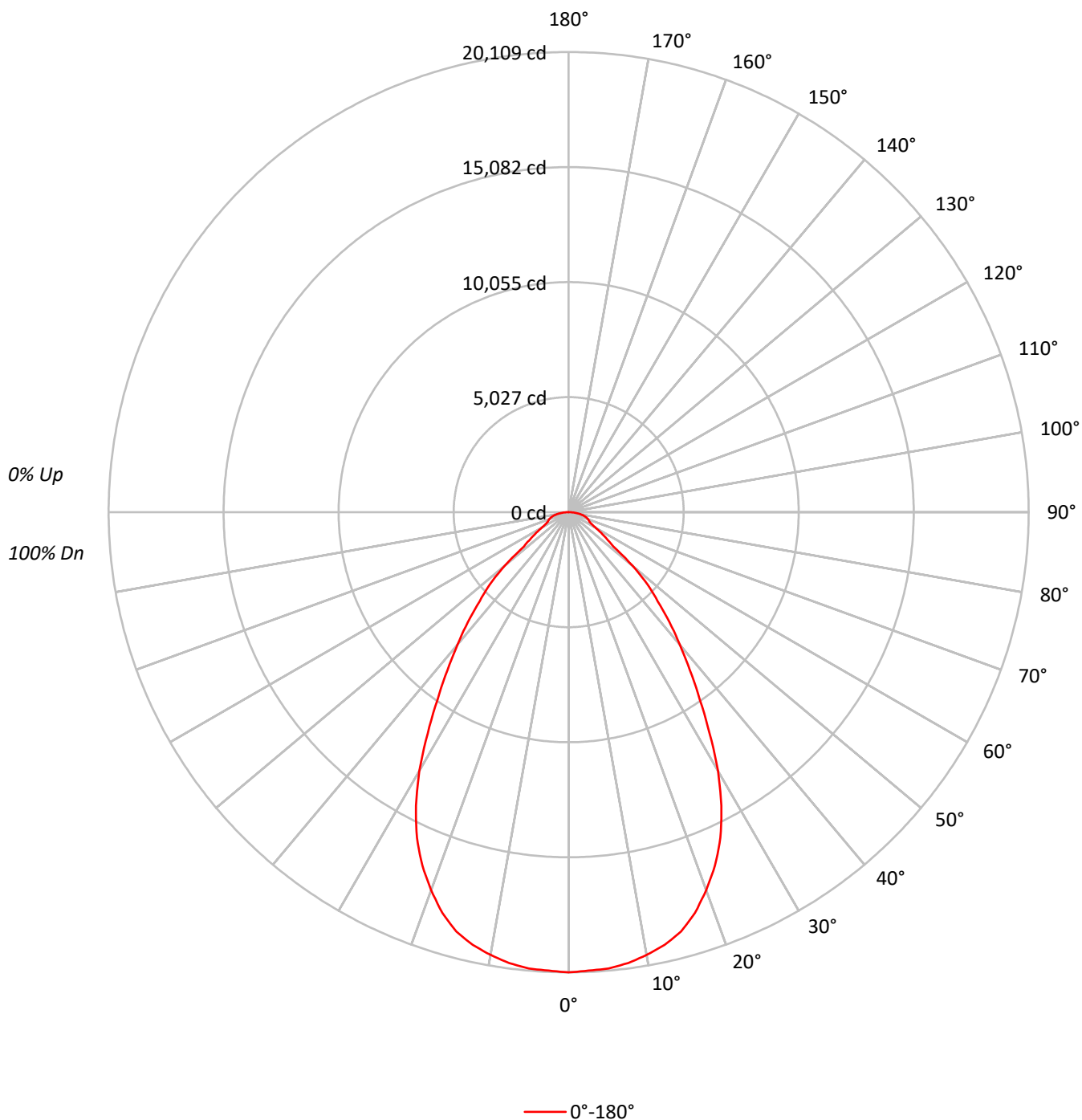
Lumens per Lamp: N/A
Luminaire Lumens: 28957.1 lumens
Efficiency: N/A
Efficacy: 149.0 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.03
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

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	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64		
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53		
7	75	64	57	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	67	55	48	44	65	55	48	43	54	48	43	53	47	43	52	47	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	134145
5°	134021
10°	133098
15°	131036
20°	124750
25°	115511
30°	100543
35°	81438
40°	65736
45°	51964
50°	37971
55°	23684
60°	18062
65°	16023
70°	17597
75°	19238
80°	20322
85°	21202

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51964 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1898.6	6.6
10°-20°	5307.9	18.3
20°-30°	7133.7	24.6
30°-40°	6287.1	21.7
40°-50°	4279.8	14.8
50°-60°	1930.3	6.7
60°-70°	1045.9	3.6
70°-80°	777.0	2.7
80°-90°	296.7	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°	14340.2	49.5
0°-40°	20627.3	71.2
0°-60°	26837.5	92.7
0°-90°	28957.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28957.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20109	
5°	20014	###
15°	18974	5308
25°	15693	7134
35°	10000	6287
45°	5508	4280
55°	2036	1930
65°	1015	1046
75°	746	777
85°	277	297
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20108.9
2.5°	20052.5
5°	20013.8
7.5°	19874.7
10°	19648.9
12.5°	19369.8
15°	18973.6
17.5°	18363.1
20°	17572.8
22.5°	16715.6
25°	15693.2
27.5°	14455.5
30°	13052.6
32.5°	11465.7
35°	10000.1
37.5°	8696.5
40°	7548.7
42.5°	6520.0
45°	5508.1
47.5°	4681.2
50°	3658.8
52.5°	2460.8
55°	2036.4
57.5°	1679.9
60°	1353.8
62.5°	1131.1
65°	1015.1
67.5°	951.3
70°	902.2
72.5°	835.3
75°	746.4
77.5°	646.0
80°	529.0
82.5°	406.7
85°	277.0
87.5°	142.2
90°	0.0

(END OF REPORT)