

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: P1505099

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (5000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505099
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-85)
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-04-WHGL-PS (5000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

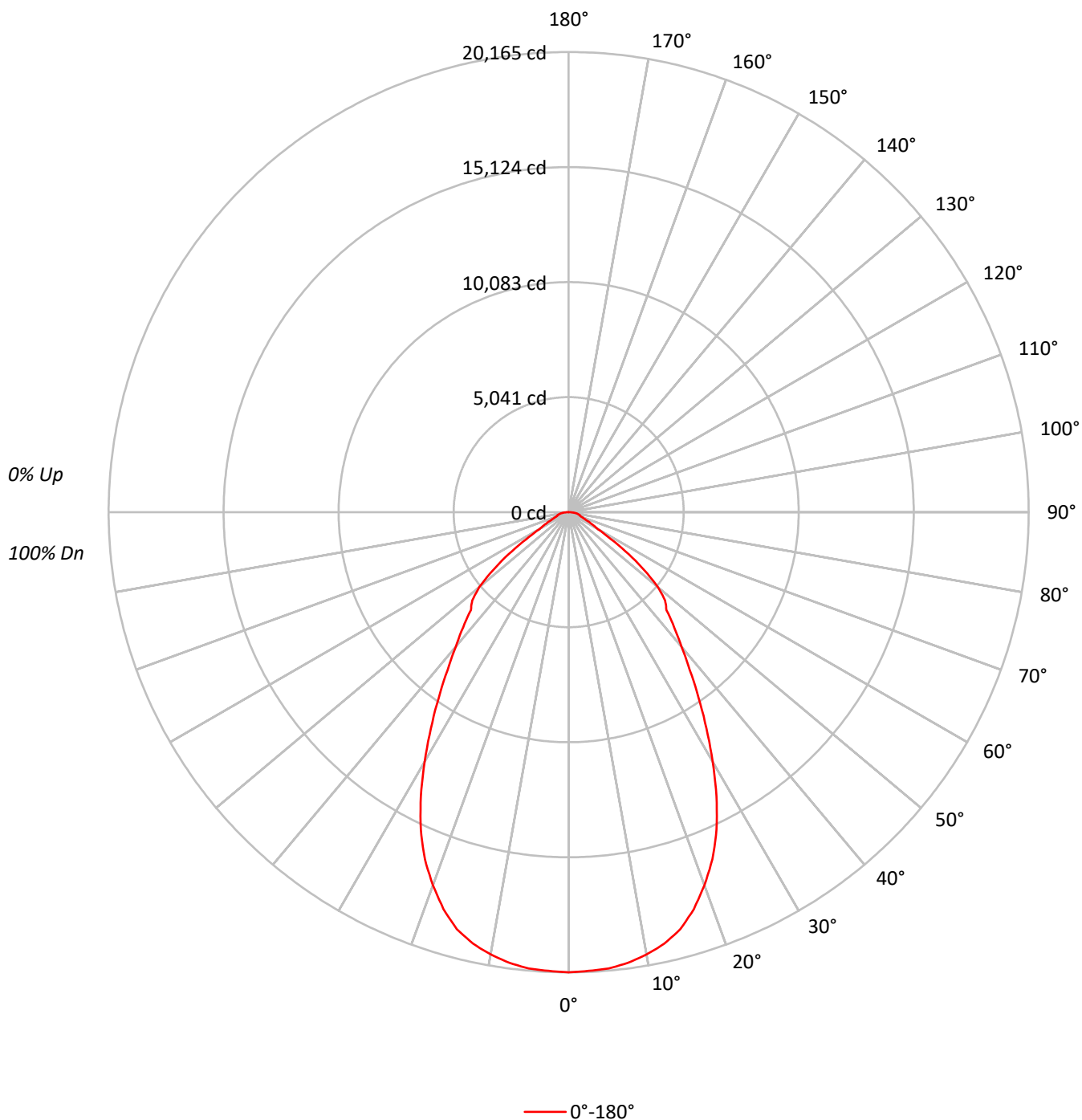
Lumens per Lamp: N/A
Luminaire Lumens: 29780.1 lumens
Efficiency: N/A
Efficacy: 152.3 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.02
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 195.5
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	92	90		
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	87	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	60	58		
6	79	68	61	56	78	67	60	55	66	60	55	64	59	55	63	58	54	52		
7	74	63	56	51	73	62	55	50	61	55	50	60	54	50	58	53	49	48		
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	147963
5°	147845
10°	146634
15°	143736
20°	135818
25°	124183
30°	106869
35°	88904
40°	73778
45°	62912
50°	58380
55°	41213
60°	21728
65°	16156
70°	12707
75°	13892
80°	16387
85°	18101

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 62912 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1903.2	6.4
10°-20°	5286.8	17.8
20°-30°	6975.5	23.4
30°-40°	6228.1	20.9
40°-50°	4824.9	16.2
50°-60°	2863.8	9.6
60°-70°	954.7	3.2
70°-80°	517.7	1.7
80°-90°	225.5	0.8
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°	14165.5	47.6
0°-40°	20393.6	68.5
0°-60°	28082.3	94.3
0°-90°	29780.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29780.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20165	
5°	20072	###
15°	18922	5287
25°	15338	6976
35°	9925	6228
45°	6063	4825
55°	3222	2864
65°	930	955
75°	490	518
85°	215	225
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20165.0
2.5°	20121.8
5°	20072.3
7.5°	19917.4
10°	19680.3
12.5°	19368.4
15°	18921.5
17.5°	18238.6
20°	17393.5
22.5°	16465.0
25°	15338.5
27.5°	14037.0
30°	12613.3
32.5°	11238.0
35°	9925.0
37.5°	8722.6
40°	7702.4
42.5°	6844.6
45°	6062.7
47.5°	5738.1
50°	5114.2
52.5°	4192.1
55°	3221.6
57.5°	2201.5
60°	1480.6
62.5°	1180.3
65°	930.5
67.5°	722.9
70°	592.3
72.5°	531.1
75°	490.0
77.5°	448.9
80°	387.8
82.5°	308.8
85°	215.0
87.5°	110.7
90°	0.0

(END OF REPORT)