

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: P1505027

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505027
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-88)
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-TRWH-PS (3000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

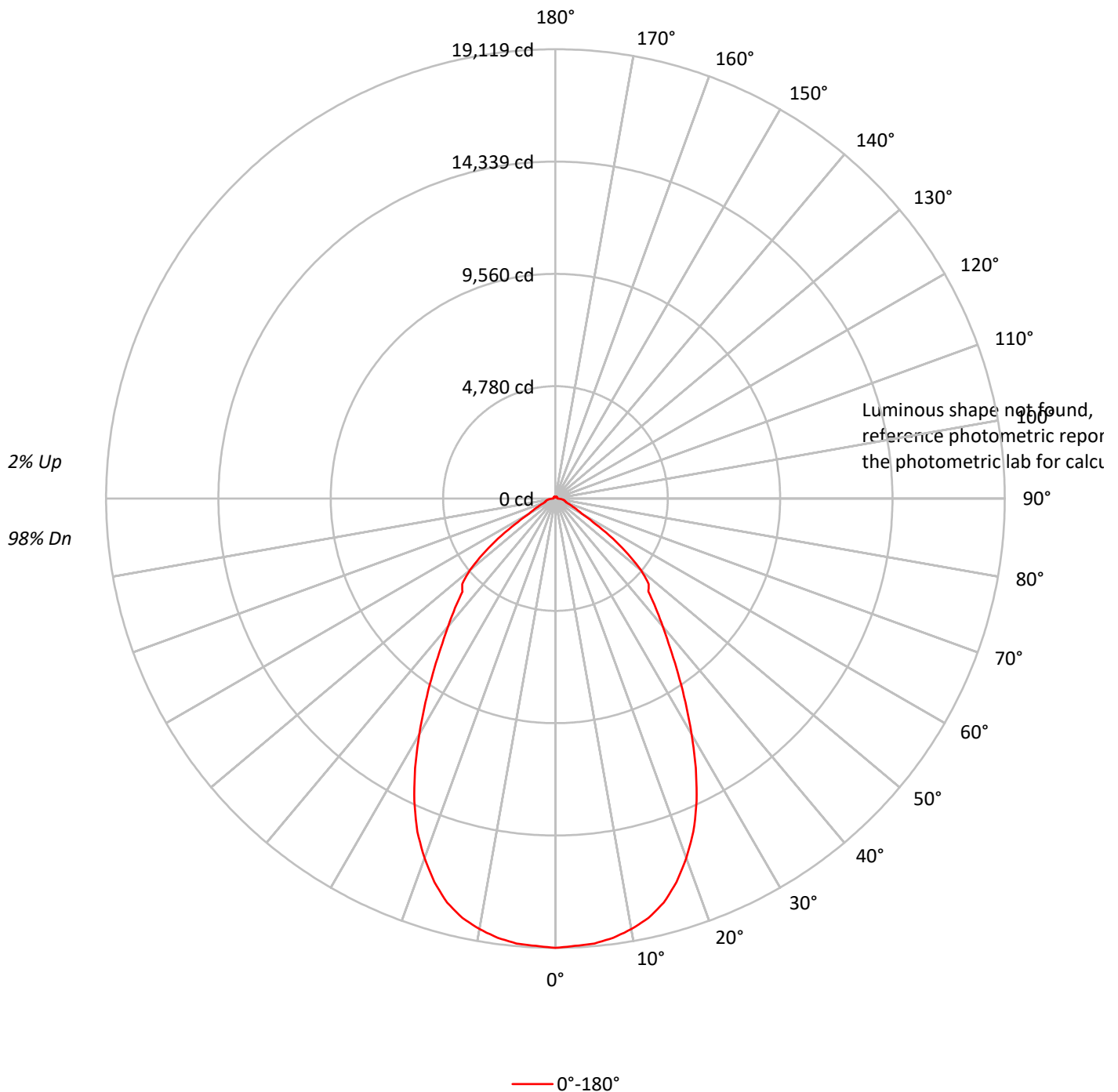
Lumens per Lamp: N/A
Luminaire Lumens: 28123.7 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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





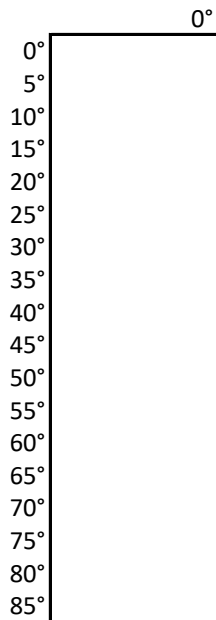
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	110	110	110	105	105	105	100	100	100	98		
1	111	108	104	101	108	105	102	100	101	98	96	97	95	93	93	91	90	88		
2	104	97	92	88	101	96	91	87	92	88	85	89	85	82	85	83	80	78		
3	97	89	82	77	94	87	81	76	84	79	75	81	77	73	78	75	72	70		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	72	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	63	59	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52		
7	74	63	55	50	72	62	55	50	60	54	50	59	53	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	46	55	49	45	54	49	45	43		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	42	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1801.3	6.4
10°-20°	4972.8	17.7
20°-30°	6463.0	23.0
30°-40°	5709.4	20.3
40°-50°	4473.7	15.9
50°-60°	2652.3	9.4
60°-70°	844.3	3.0
70°-80°	449.7	1.6
80°-90°	247.0	0.9
90°-100°	93.7	0.3
100°-110°	91.4	0.3
110°-120°	84.4	0.3
120°-130°	73.6	0.3
130°-140°	61.6	0.2
140°-150°	51.0	0.2
150°-160°	34.0	0.1
160°-170°	16.1	0.1
170°-180°	4.4	0.0
0°-30°	13237.0	47.1
0°-40°	18946.4	67.4
0°-60°	26072.4	92.7
0°-90°	27613.3	98.2
90°-120°	269.5	1.0
90°-150°	455.8	1.6
90°-180°	510.0	1.8
0°-180°	28123.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19119	
5°	19006	###
15°	17807	4973
25°	14210	6463
35°	9083	5709
45°	5595	4474
55°	2988	2652
65°	822	844
75°	423	450
85°	230	213
90°	88	57
95°	85	70
105°	86	91
115°	85	84
125°	82	74
135°	79	62
145°	81	51
155°	72	34
165°	56	16
175°	45	4
180°	45	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19119.3
2.5°	19055.7
5°	19006.1
7.5°	18853.2
10°	18604.0
12.5°	18278.3
15°	17806.7
17.5°	17115.6
20°	16281.6
22.5°	15342.3
25°	14210.4
27.5°	12928.6
30°	11572.3
32.5°	10292.4
35°	9083.1
37.5°	7997.8
40°	7094.3
42.5°	6319.8
45°	5595.0
47.5°	5383.5
50°	4758.0
52.5°	3907.1
55°	2987.6
57.5°	2025.5
60°	1324.5
62.5°	1057.4
65°	822.1
67.5°	627.5
70°	508.4
72.5°	453.8
75°	423.0
77.5°	395.2
80°	352.5
82.5°	297.9
85°	230.4
87.5°	157.9
90°	88.4
92.5°	84.4
95°	85.4
97.5°	86.4
100°	86.4
102.5°	86.4
105°	86.4
107.5°	86.4
110°	86.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	85.4
115°	85.4
117.5°	84.4
120°	83.4
122.5°	82.4
125°	82.4
127.5°	81.4
130°	80.4
132.5°	79.4
135°	79.4
137.5°	79.4
140°	79.4
142.5°	80.4
145°	81.4
147.5°	82.4
150°	82.4
152.5°	77.4
155°	72.5
157.5°	68.5
160°	64.5
162.5°	59.6
165°	55.6
167.5°	52.6
170°	49.6
172.5°	46.7
175°	44.7
177.5°	43.7
180°	44.7

(END OF REPORT)