

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: P1505423

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (6500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505423
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-100)
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-04-TRWH-PS (6500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

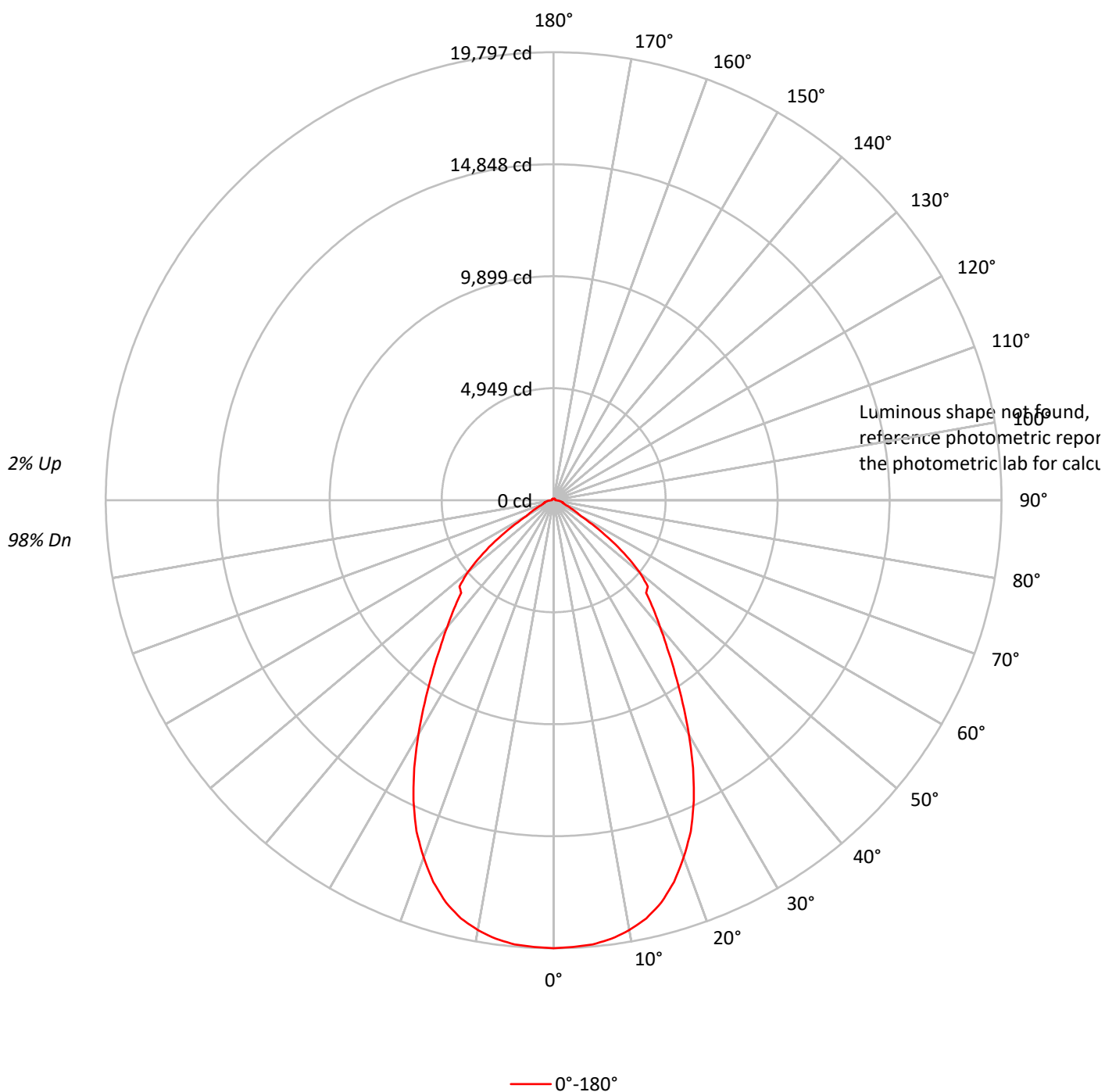
Lumens per Lamp: N/A
Luminaire Lumens: 29000.8 lumens
Efficiency: N/A
Efficacy: 144.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 200.1
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





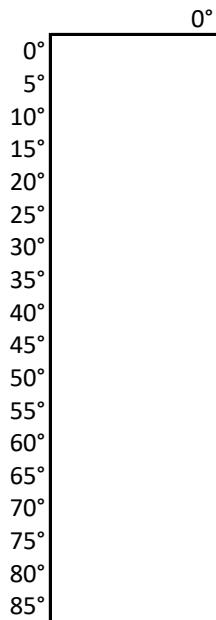
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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		
R	CR																			
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	98		
1	111	108	105	102	109	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	98	92	88	101	96	91	87	92	88	85	89	85	83	86	83	81	79		
3	97	89	82	77	95	87	81	77	84	79	75	81	77	74	79	75	72	70		
4	90	81	74	69	88	80	73	68	77	71	67	75	70	66	73	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	64	60	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	57	54	52		
7	74	63	56	50	73	62	55	50	60	54	50	59	53	49	58	53	49	47		
8	70	58	51	46	68	58	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	44	39	49	43	39	48	43	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°	1867.5	6.4
10°-20°	5141.1	17.7
20°-30°	6667.9	23.0
30°-40°	5889.1	20.3
40°-50°	4637.9	16.0
50°-60°	2787.6	9.6
60°-70°	874.4	3.0
70°-80°	445.1	1.5
80°-90°	221.7	0.8
90°-100°	80.2	0.3
100°-110°	81.2	0.3
110°-120°	76.6	0.3
120°-130°	68.0	0.2
130°-140°	57.9	0.2
140°-150°	48.0	0.2
150°-160°	33.5	0.1
160°-170°	17.9	0.1
170°-180°	5.4	0.0
0°-30°	13676.4	47.2
0°-40°	19565.5	67.5
0°-60°	26991.0	93.1
0°-90°	28532.1	98.4
90°-120°	238.0	0.8
90°-150°	411.9	1.4
90°-180°	469.0	1.6
0°-180°	29000.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19797	
5°	19704	###
15°	18401	5141
25°	14654	6668
35°	9363	5889
45°	5778	4638
55°	3157	2788
65°	853	874
75°	419	445
85°	204	193
90°	72	48
95°	73	60
105°	76	81
115°	78	77
125°	75	68
135°	74	58
145°	76	48
155°	71	33
165°	62	18
175°	57	5
180°	57	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19796.6
2.5°	19756.8
5°	19703.8
7.5°	19546.8
10°	19287.9
12.5°	18925.0
15°	18401.0
17.5°	17682.3
20°	16799.4
22.5°	15836.1
25°	14654.5
27.5°	13337.4
30°	11939.7
32.5°	10611.4
35°	9362.6
37.5°	8257.5
40°	7319.6
42.5°	6513.2
45°	5778.2
47.5°	5641.6
50°	4955.5
52.5°	4077.8
55°	3157.2
57.5°	2163.3
60°	1385.4
62.5°	1099.0
65°	853.3
67.5°	643.3
70°	515.8
72.5°	455.7
75°	419.0
77.5°	385.4
80°	334.4
82.5°	272.2
85°	203.9
87.5°	134.6
90°	72.4
92.5°	72.4
95°	73.4
97.5°	74.4
100°	75.4
102.5°	76.5
105°	76.5
107.5°	77.5
110°	77.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	77.5
115°	77.5
117.5°	76.5
120°	76.5
122.5°	76.5
125°	75.4
127.5°	75.4
130°	75.4
132.5°	75.4
135°	74.4
137.5°	74.4
140°	74.4
142.5°	75.4
145°	76.5
147.5°	77.5
150°	78.5
152.5°	74.4
155°	71.4
157.5°	69.3
160°	67.3
162.5°	65.2
165°	62.2
167.5°	60.1
170°	58.1
172.5°	56.1
175°	57.1
177.5°	57.1
180°	57.1

(END OF REPORT)