

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: P1505386

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505386
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-101)
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 (3000K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

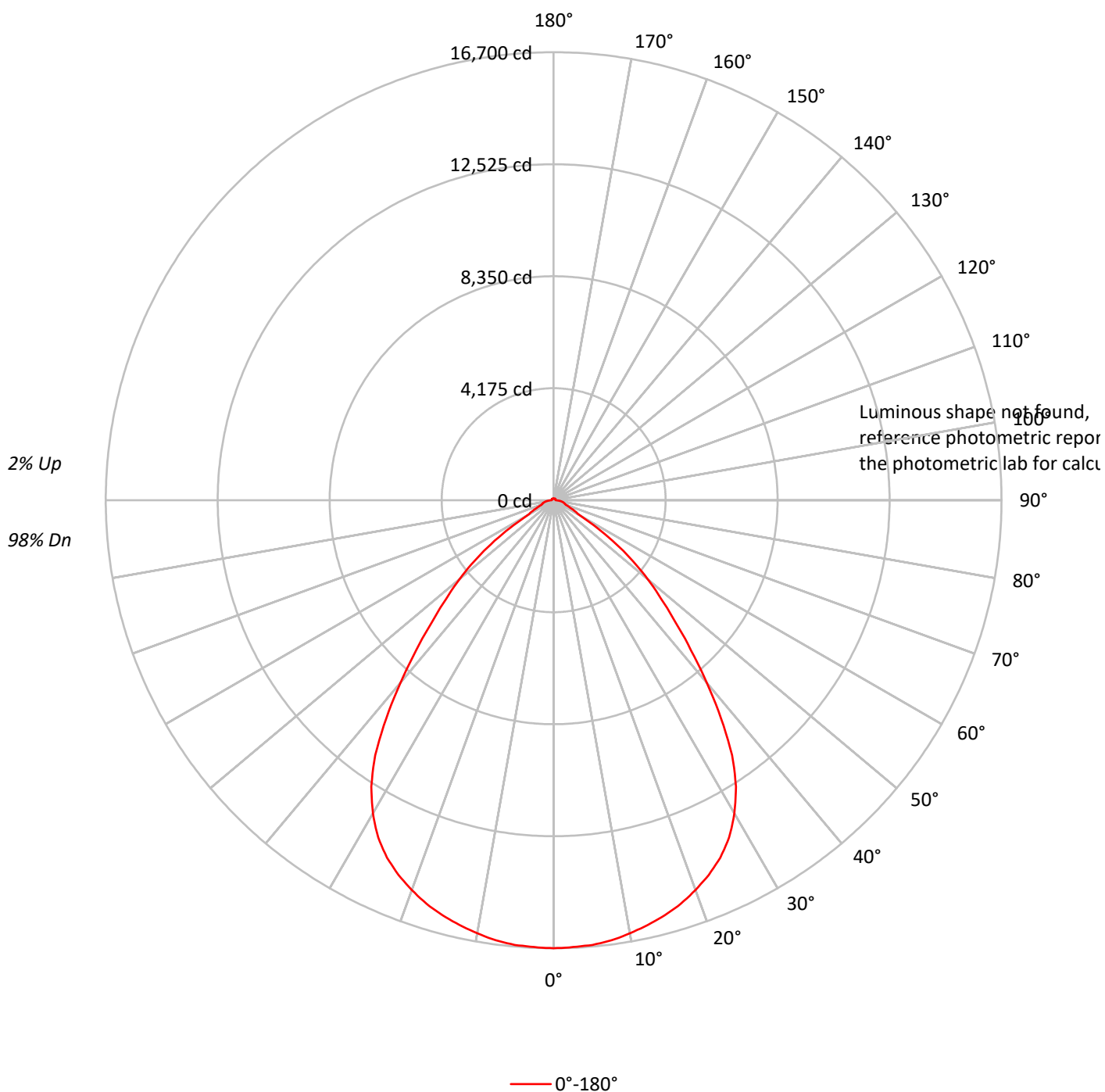
Lumens per Lamp: N/A
Luminaire Lumens: 29336.5 lumens
Efficiency: N/A
Efficacy: 147.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

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				0
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	101	101	101	98			
1	111	108	104	102	109	105	102	100	101	99	96	97	95	93	93	92	90	88			
2	104	97	92	88	101	96	91	87	92	88	85	89	85	83	86	83	81	79			
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			
4	90	80	73	68	88	79	73	68	77	71	67	74	69	66	72	68	65	63			
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	62	58	56			
6	79	67	60	55	77	66	59	54	65	58	54	63	57	53	61	57	53	51			
7	73	62	55	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46			
8	69	57	50	45	67	57	50	45	55	49	44	54	48	44	53	48	44	42			
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39			
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	35			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1580.4	5.4
10°-20°	4517.6	15.4
20°-30°	6738.7	23.0
30°-40°	7119.3	24.3
40°-50°	5020.6	17.1
50°-60°	2520.4	8.6
60°-70°	738.8	2.5
70°-80°	427.1	1.5
80°-90°	223.0	0.8
90°-100°	77.2	0.3
100°-110°	77.8	0.3
110°-120°	73.6	0.3
120°-130°	65.4	0.2
130°-140°	56.1	0.2
140°-150°	46.4	0.2
150°-160°	32.3	0.1
160°-170°	16.9	0.1
170°-180°	5.1	0.0
0°-30°	12836.7	43.8
0°-40°	19956.0	68.0
0°-60°	27497.0	93.7
0°-90°	28885.9	98.5
90°-120°	228.5	0.8
90°-150°	396.4	1.4
90°-180°	451.0	1.5
0°-180°	29336.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16700	
5°	16638	###
15°	16018	4518
25°	14698	6739
35°	11603	7119
45°	6418	5021
55°	2857	2520
65°	722	739
75°	405	427
85°	208	194
90°	70	48
95°	70	58
105°	74	78
115°	74	74
125°	72	65
135°	72	56
145°	74	46
155°	68	32
165°	59	17
175°	53	5
180°	54	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16699.6
2.5°	16672.8
5°	16638.0
7.5°	16547.7
10°	16391.8
12.5°	16215.1
15°	16018.5
17.5°	15772.2
20°	15463.4
22.5°	15118.9
25°	14697.9
27.5°	14173.6
30°	13479.6
32.5°	12654.5
35°	11603.0
37.5°	10255.7
40°	8885.5
42.5°	7576.8
45°	6418.1
47.5°	5436.1
50°	4584.2
52.5°	3735.3
55°	2856.6
57.5°	1926.2
60°	1123.0
62.5°	895.6
65°	721.8
67.5°	575.9
70°	477.6
72.5°	435.9
75°	405.1
77.5°	373.3
80°	327.7
82.5°	271.1
85°	208.5
87.5°	140.0
90°	70.5
92.5°	69.5
95°	70.5
97.5°	71.5
100°	72.5
102.5°	73.5
105°	73.5
107.5°	73.5
110°	74.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	74.5
115°	74.5
117.5°	73.5
120°	73.5
122.5°	73.5
125°	72.5
127.5°	72.5
130°	72.5
132.5°	72.5
135°	72.5
137.5°	72.5
140°	72.5
142.5°	73.5
145°	73.5
147.5°	74.5
150°	75.5
152.5°	72.5
155°	68.5
157.5°	66.5
160°	64.5
162.5°	61.6
165°	58.6
167.5°	56.6
170°	54.6
172.5°	52.6
175°	52.6
177.5°	53.6
180°	53.6

(END OF REPORT)