

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: P1505392

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505392
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 (3500K_L24_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

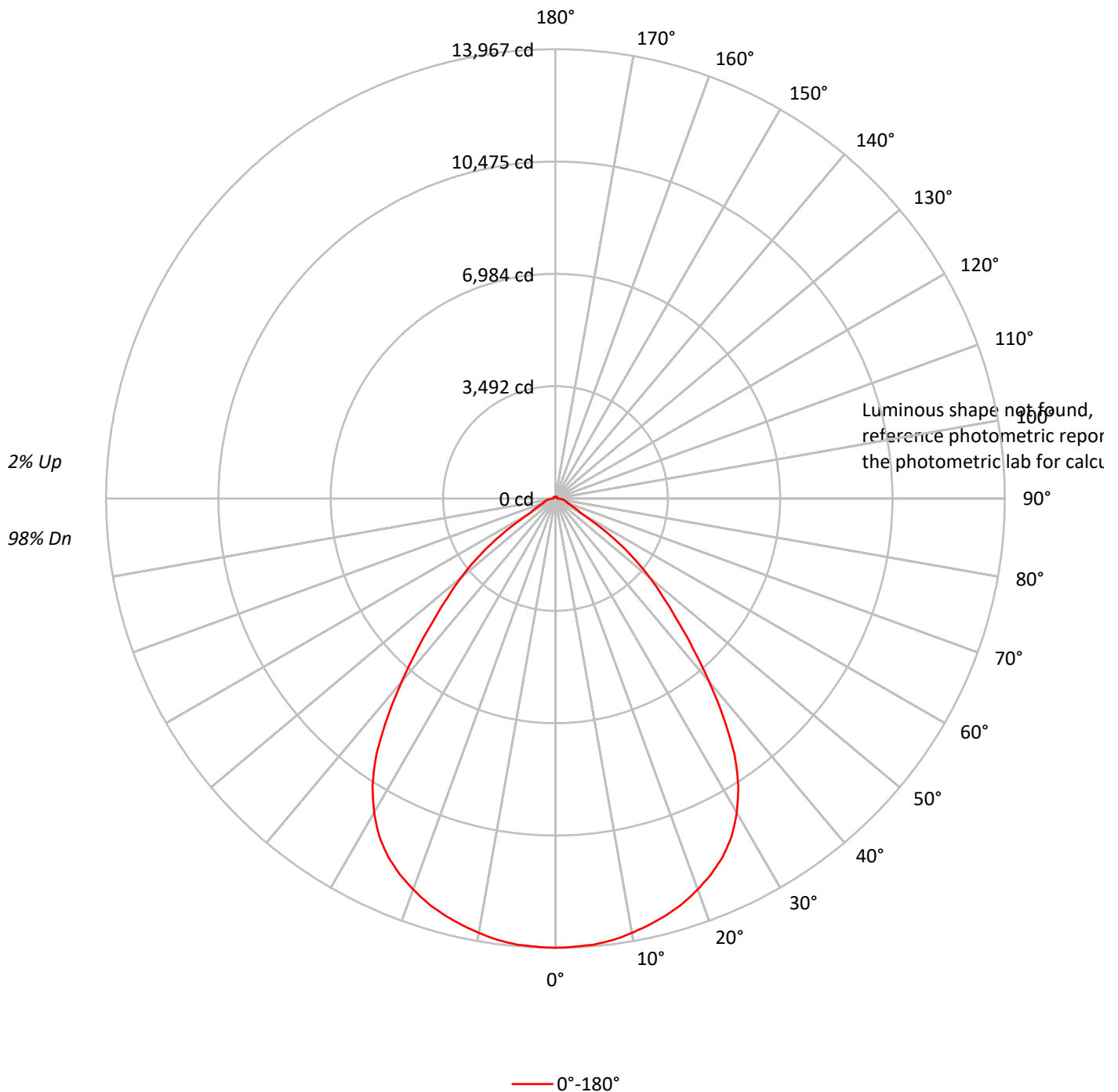
Lumens per Lamp: N/A
Luminaire Lumens: 24535.4 lumens
Efficiency: N/A
Efficacy: 155.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 157.5
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



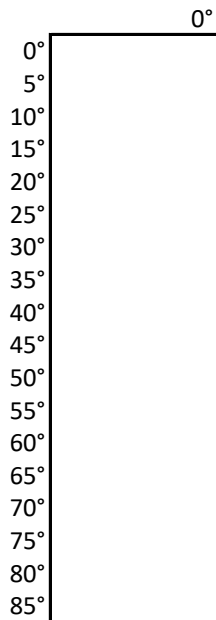
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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	81	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°	1321.8	5.4
10°-20°	3778.3	15.4
20°-30°	5635.8	23.0
30°-40°	5954.2	24.3
40°-50°	4198.9	17.1
50°-60°	2107.9	8.6
60°-70°	617.9	2.5
70°-80°	357.2	1.5
80°-90°	186.5	0.8
90°-100°	64.6	0.3
100°-110°	65.0	0.3
110°-120°	61.5	0.3
120°-130°	54.7	0.2
130°-140°	46.9	0.2
140°-150°	38.8	0.2
150°-160°	27.0	0.1
160°-170°	14.1	0.1
170°-180°	4.2	0.0
0°-30°	10735.9	43.8
0°-40°	16690.1	68.0
0°-60°	22996.9	93.7
0°-90°	24158.5	98.5
90°-120°	191.2	0.8
90°-150°	331.6	1.4
90°-180°	377.0	1.5
0°-180°	24535.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13967	
5°	13915	###
15°	13397	3778
25°	12292	5636
35°	9704	5954
45°	5368	4199
55°	2389	2108
65°	604	618
75°	339	357
85°	174	162
90°	59	40
95°	59	49
105°	62	65
115°	62	62
125°	61	55
135°	61	47
145°	62	39
155°	57	27
165°	49	14
175°	44	4
180°	45	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13966.6
2.5°	13944.2
5°	13915.1
7.5°	13839.5
10°	13709.2
12.5°	13561.4
15°	13396.9
17.5°	13191.0
20°	12932.7
22.5°	12644.6
25°	12292.5
27.5°	11854.0
30°	11273.6
32.5°	10583.5
35°	9704.1
37.5°	8577.3
40°	7431.3
42.5°	6336.8
45°	5367.7
47.5°	4546.5
50°	3834.0
52.5°	3124.0
55°	2389.1
57.5°	1611.0
60°	939.2
62.5°	749.0
65°	603.7
67.5°	481.6
70°	399.4
72.5°	364.5
75°	338.8
77.5°	312.2
80°	274.0
82.5°	226.7
85°	174.4
87.5°	117.1
90°	59.0
92.5°	58.1
95°	59.0
97.5°	59.8
100°	60.6
102.5°	61.5
105°	61.5
107.5°	61.5
110°	62.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	62.3
115°	62.3
117.5°	61.5
120°	61.5
122.5°	61.5
125°	60.6
127.5°	60.6
130°	60.6
132.5°	60.6
135°	60.6
137.5°	60.6
140°	60.6
142.5°	61.5
145°	61.5
147.5°	62.3
150°	63.1
152.5°	60.6
155°	57.3
157.5°	55.6
160°	54.0
162.5°	51.5
165°	49.0
167.5°	47.3
170°	45.7
172.5°	44.0
175°	44.0
177.5°	44.8
180°	44.8

(END OF REPORT)