

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: P1505421

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (6500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505421
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-102)
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_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

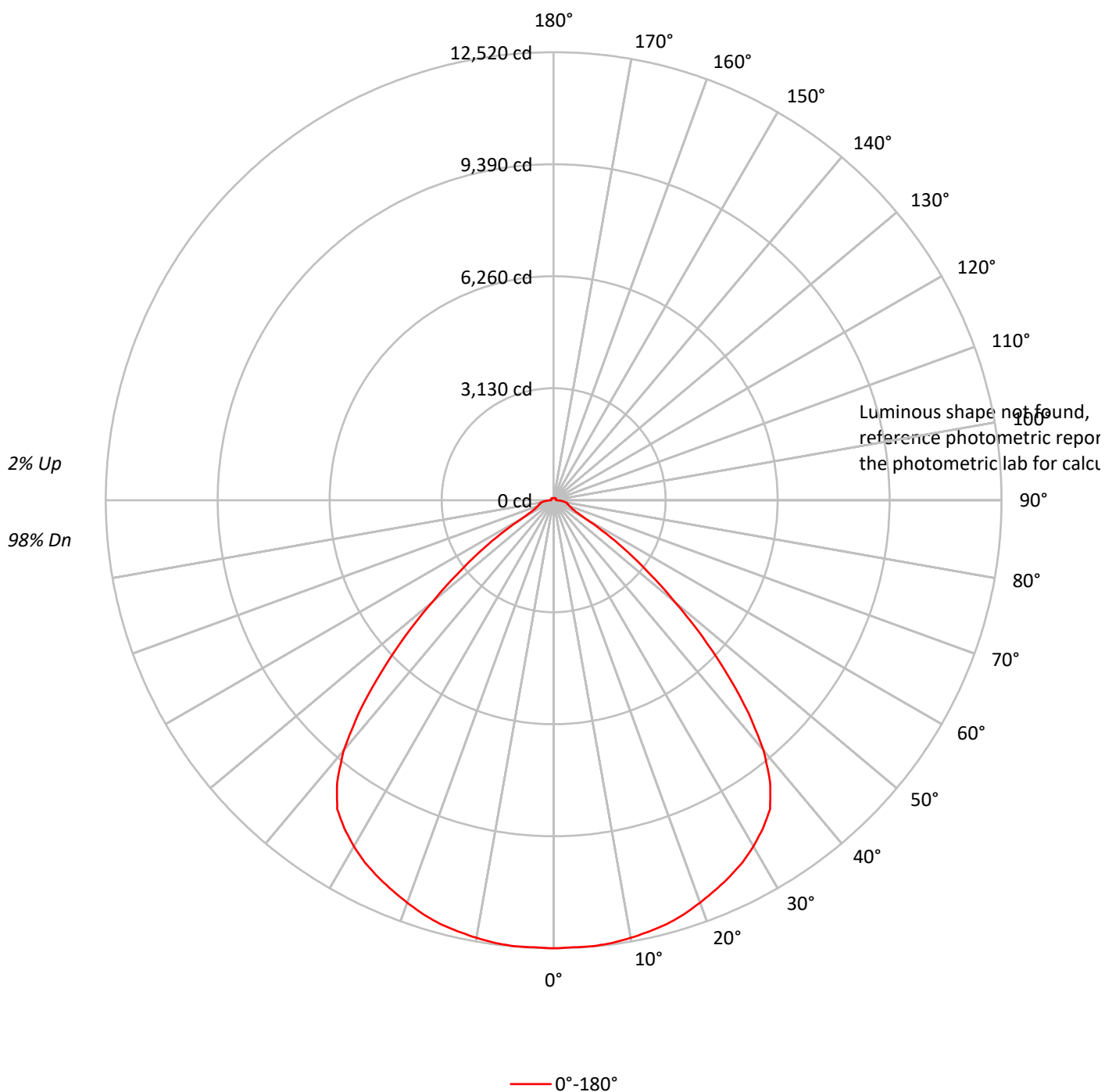
Lumens per Lamp: N/A
Luminaire Lumens: 25788.3 lumens
Efficiency: N/A
Efficacy: 161.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 159.8
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



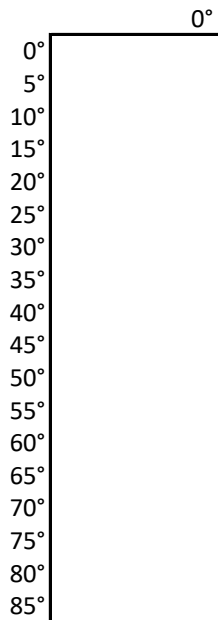
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																	
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100
1	111	107	104	101	108	105	102	99	100	98	96	96	94	93	93	91	90
2	103	97	91	87	101	95	90	86	91	87	84	88	84	81	85	82	79
3	96	87	81	76	93	86	80	75	83	78	73	80	76	72	77	74	71
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	66	63
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	56
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	60	55	51
7	72	60	53	47	70	59	52	47	58	51	47	56	50	46	55	50	46
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	42
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	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°	1191.2	4.6
10°-20°	3460.7	13.4
20°-30°	5358.6	20.8
30°-40°	6495.1	25.2
40°-50°	5235.9	20.3
50°-60°	2307.0	8.9
60°-70°	628.9	2.4
70°-80°	431.6	1.7
80°-90°	237.3	0.9
90°-100°	76.8	0.3
100°-110°	77.1	0.3
110°-120°	72.5	0.3
120°-130°	64.9	0.3
130°-140°	55.2	0.2
140°-150°	44.8	0.2
150°-160°	30.6	0.1
160°-170°	15.6	0.1
170°-180°	4.6	0.0
0°-30°	10010.5	38.8
0°-40°	16505.6	64.0
0°-60°	24048.5	93.3
0°-90°	25346.2	98.3
90°-120°	226.4	0.9
90°-150°	391.3	1.5
90°-180°	442.0	1.7
0°-180°	25788.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12520	
5°	12510	###
15°	12260	3461
25°	11617	5359
35°	10544	6495
45°	6850	5236
55°	2546	2307
65°	591	629
75°	411	432
85°	225	208
90°	70	49
95°	70	58
105°	73	77
115°	73	72
125°	72	65
135°	71	55
145°	71	45
155°	65	31
165°	54	16
175°	48	5
180°	48	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12520.5
2.5°	12505.2
5°	12510.3
7.5°	12482.4
10°	12417.9
12.5°	12343.4
15°	12260.3
17.5°	12127.3
20°	11968.0
22.5°	11795.9
25°	11617.1
27.5°	11418.0
30°	11168.9
32.5°	10879.9
35°	10543.5
37.5°	9939.3
40°	9126.6
42.5°	8050.4
45°	6849.6
47.5°	5623.4
50°	4432.8
52.5°	3408.3
55°	2545.6
57.5°	1733.0
60°	1023.7
62.5°	700.8
65°	590.6
67.5°	512.7
70°	461.8
72.5°	435.6
75°	411.0
77.5°	383.9
80°	344.0
82.5°	293.2
85°	225.4
87.5°	145.8
90°	69.5
92.5°	69.5
95°	70.3
97.5°	71.2
100°	72.0
102.5°	72.9
105°	72.9
107.5°	72.9
110°	73.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	72.9
115°	72.9
117.5°	72.9
120°	72.9
122.5°	72.9
125°	72.0
127.5°	72.0
130°	72.0
132.5°	71.2
135°	71.2
137.5°	71.2
140°	71.2
142.5°	71.2
145°	71.2
147.5°	71.2
150°	72.0
152.5°	68.6
155°	65.3
157.5°	62.7
160°	60.2
162.5°	57.6
165°	54.2
167.5°	51.7
170°	49.1
172.5°	47.5
175°	47.5
177.5°	47.5
180°	47.5

(END OF REPORT)