

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: P1505401

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (4000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505401
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 (4000K_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

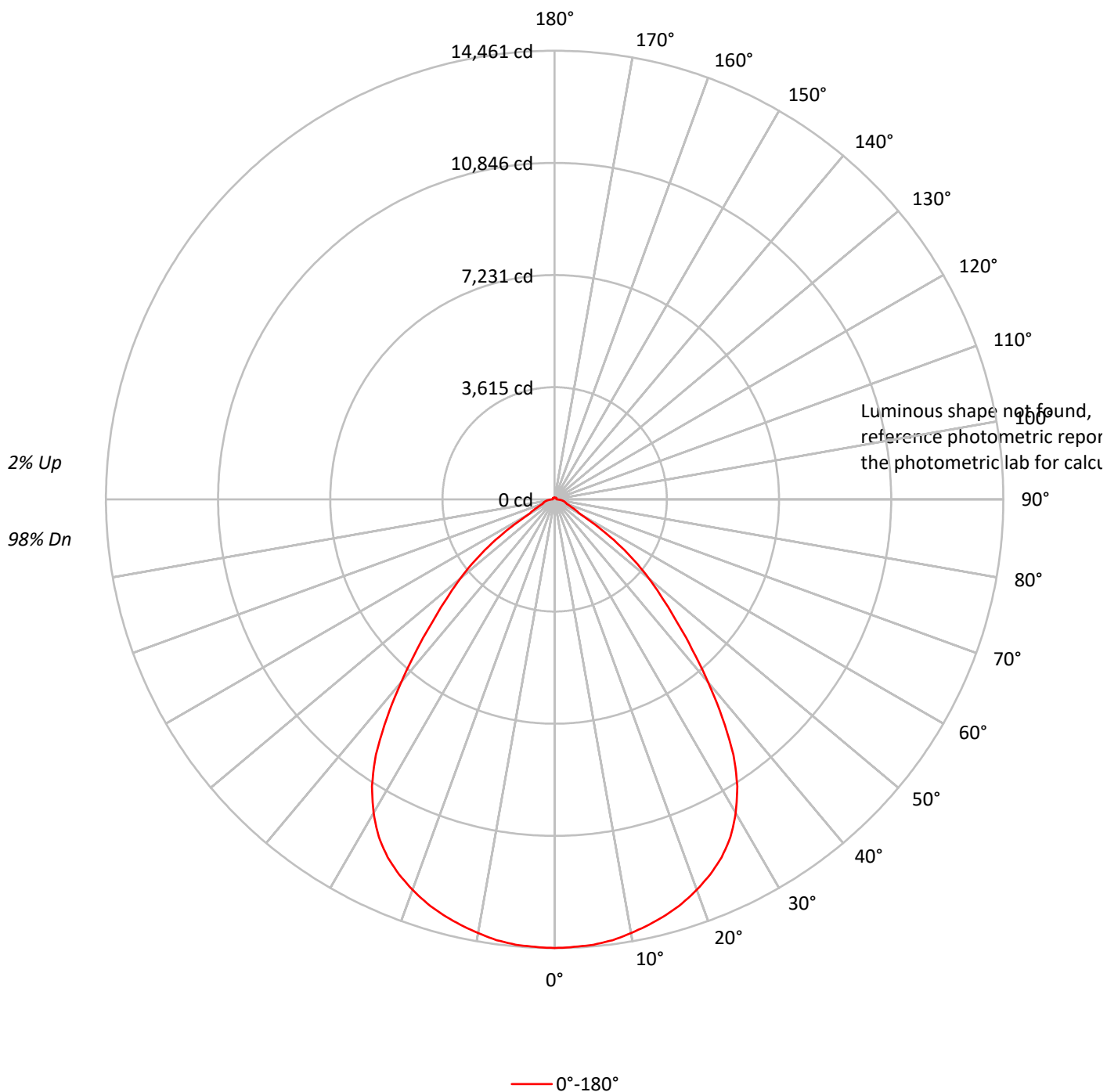
Lumens per Lamp: N/A
Luminaire Lumens: 25404.3 lumens
Efficiency: N/A
Efficacy: 163.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 155.7
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



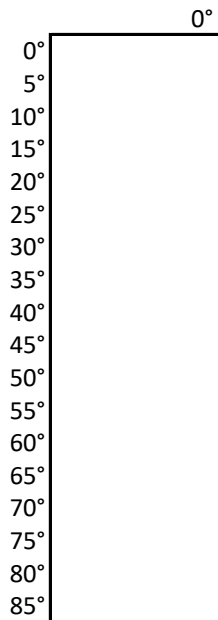
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10	50	30	10		
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°	1368.6	5.4
10°-20°	3912.1	15.4
20°-30°	5835.4	23.0
30°-40°	6165.1	24.3
40°-50°	4347.7	17.1
50°-60°	2182.5	8.6
60°-70°	639.8	2.5
70°-80°	369.9	1.5
80°-90°	193.1	0.8
90°-100°	66.8	0.3
100°-110°	67.3	0.3
110°-120°	63.7	0.3
120°-130°	56.6	0.2
130°-140°	48.6	0.2
140°-150°	40.1	0.2
150°-160°	27.9	0.1
160°-170°	14.6	0.1
170°-180°	4.4	0.0
0°-30°	11116.1	43.8
0°-40°	17281.2	68.0
0°-60°	23811.4	93.7
0°-90°	25014.1	98.5
90°-120°	197.8	0.8
90°-150°	343.2	1.4
90°-180°	390.0	1.5
0°-180°	25404.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14461	
5°	14408	###
15°	13871	3912
25°	12728	5835
35°	10048	6165
45°	5558	4348
55°	2474	2183
65°	625	640
75°	351	370
85°	181	168
90°	61	42
95°	61	50
105°	64	67
115°	64	64
125°	63	57
135°	63	49
145°	64	40
155°	59	28
165°	51	15
175°	46	4
180°	46	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14461.2
2.5°	14438.0
5°	14407.9
7.5°	14329.7
10°	14194.7
12.5°	14041.6
15°	13871.4
17.5°	13658.2
20°	13390.8
22.5°	13092.4
25°	12727.8
27.5°	12273.9
30°	11672.9
32.5°	10958.3
35°	10047.8
37.5°	8881.0
40°	7694.5
42.5°	6561.3
45°	5557.8
47.5°	4707.5
50°	3969.8
52.5°	3234.6
55°	2473.7
57.5°	1668.0
60°	972.5
62.5°	775.6
65°	625.1
67.5°	498.7
70°	413.6
72.5°	377.5
75°	350.8
77.5°	323.3
80°	283.7
82.5°	234.7
85°	180.6
87.5°	121.2
90°	61.0
92.5°	60.2
95°	61.0
97.5°	61.9
100°	62.8
102.5°	63.6
105°	63.6
107.5°	63.6
110°	64.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	64.5
115°	64.5
117.5°	63.6
120°	63.6
122.5°	63.6
125°	62.8
127.5°	62.8
130°	62.8
132.5°	62.8
135°	62.8
137.5°	62.8
140°	62.8
142.5°	63.6
145°	63.6
147.5°	64.5
150°	65.3
152.5°	62.8
155°	59.3
157.5°	57.6
160°	55.9
162.5°	53.3
165°	50.7
167.5°	49.0
170°	47.3
172.5°	45.6
175°	45.6
177.5°	46.4
180°	46.4

(END OF REPORT)