

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: P1505410

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (5000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505410
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 (5000K_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

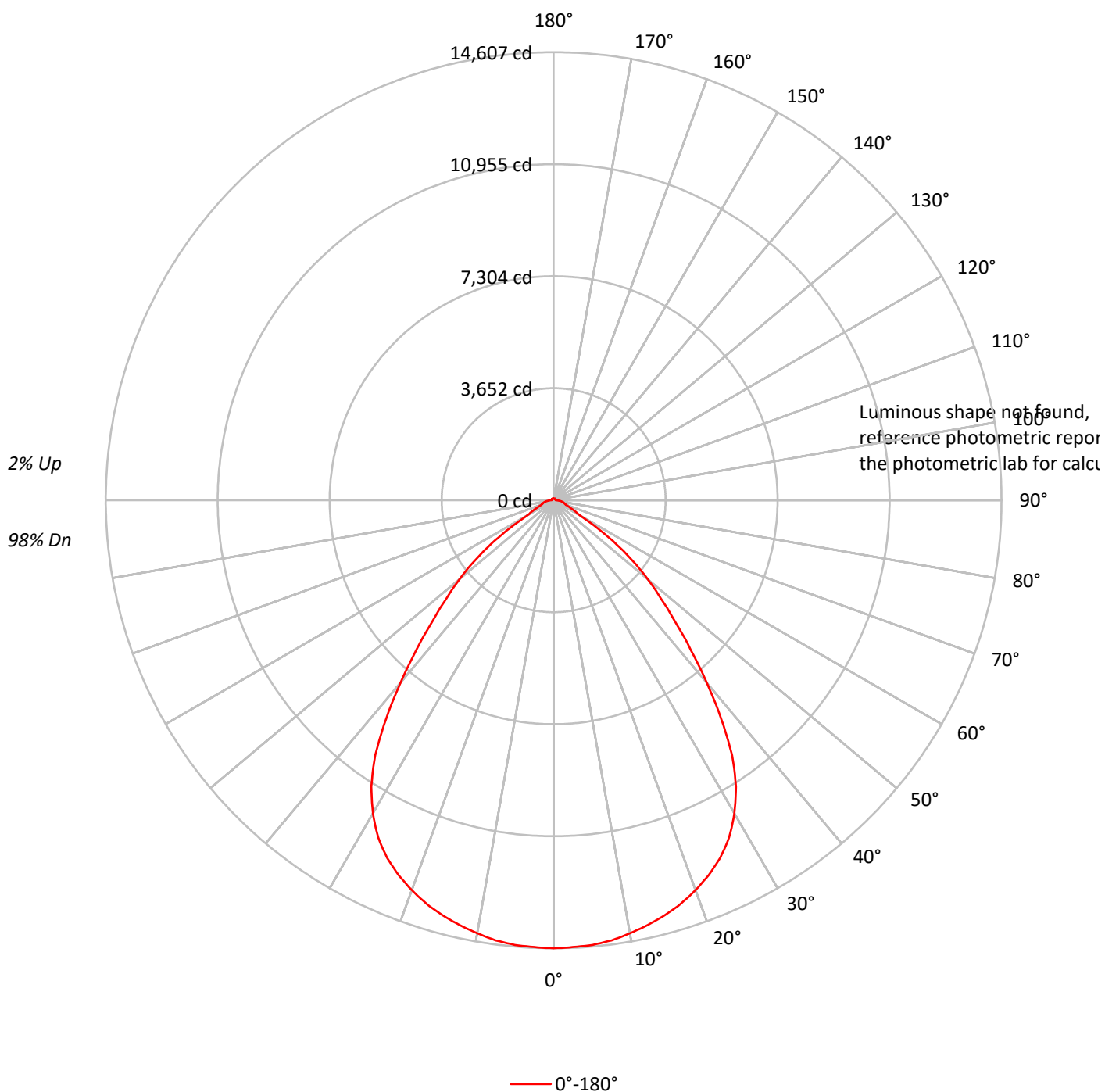
Lumens per Lamp: N/A
Luminaire Lumens: 25660.8 lumens
Efficiency: N/A
Efficacy: 164.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 156.4
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





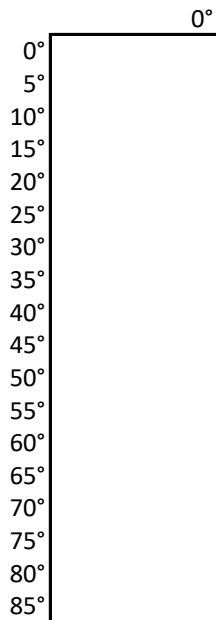
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
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°	1382.4	5.4
10°-20°	3951.6	15.4
20°-30°	5894.3	23.0
30°-40°	6227.3	24.3
40°-50°	4391.6	17.1
50°-60°	2204.6	8.6
60°-70°	646.2	2.5
70°-80°	373.6	1.5
80°-90°	195.0	0.8
90°-100°	67.5	0.3
100°-110°	68.0	0.3
110°-120°	64.3	0.3
120°-130°	57.2	0.2
130°-140°	49.1	0.2
140°-150°	40.6	0.2
150°-160°	28.2	0.1
160°-170°	14.8	0.1
170°-180°	4.4	0.0
0°-30°	11228.3	43.8
0°-40°	17455.7	68.0
0°-60°	24051.8	93.7
0°-90°	25266.7	98.5
90°-120°	199.9	0.8
90°-150°	346.7	1.4
90°-180°	394.0	1.5
0°-180°	25660.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14607	
5°	14553	###
15°	14011	3952
25°	12856	5894
35°	10149	6227
45°	5614	4392
55°	2499	2205
65°	631	646
75°	354	374
85°	182	170
90°	62	42
95°	62	51
105°	64	68
115°	65	64
125°	63	57
135°	63	49
145°	64	41
155°	60	28
165°	51	15
175°	46	4
180°	47	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14607.2
2.5°	14583.8
5°	14553.4
7.5°	14474.3
10°	14338.0
12.5°	14183.4
15°	14011.4
17.5°	13796.1
20°	13526.0
22.5°	13224.6
25°	12856.3
27.5°	12397.8
30°	11790.7
32.5°	11069.0
35°	10149.2
37.5°	8970.7
40°	7772.2
42.5°	6627.5
45°	5614.0
47.5°	4755.0
50°	4009.8
52.5°	3267.3
55°	2498.7
57.5°	1684.9
60°	982.3
62.5°	783.4
65°	631.4
67.5°	503.7
70°	417.7
72.5°	381.3
75°	354.3
77.5°	326.6
80°	286.6
82.5°	237.1
85°	182.4
87.5°	122.5
90°	61.7
92.5°	60.8
95°	61.7
97.5°	62.5
100°	63.4
102.5°	64.3
105°	64.3
107.5°	64.3
110°	65.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	65.1
115°	65.1
117.5°	64.3
120°	64.3
122.5°	64.3
125°	63.4
127.5°	63.4
130°	63.4
132.5°	63.4
135°	63.4
137.5°	63.4
140°	63.4
142.5°	64.3
145°	64.3
147.5°	65.1
150°	66.0
152.5°	63.4
155°	59.9
157.5°	58.2
160°	56.5
162.5°	53.8
165°	51.2
167.5°	49.5
170°	47.8
172.5°	46.0
175°	46.0
177.5°	46.9
180°	46.9

(END OF REPORT)