

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: P1505041

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505041
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-89)
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-A-04-TRWH-PS (4000K_L24_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

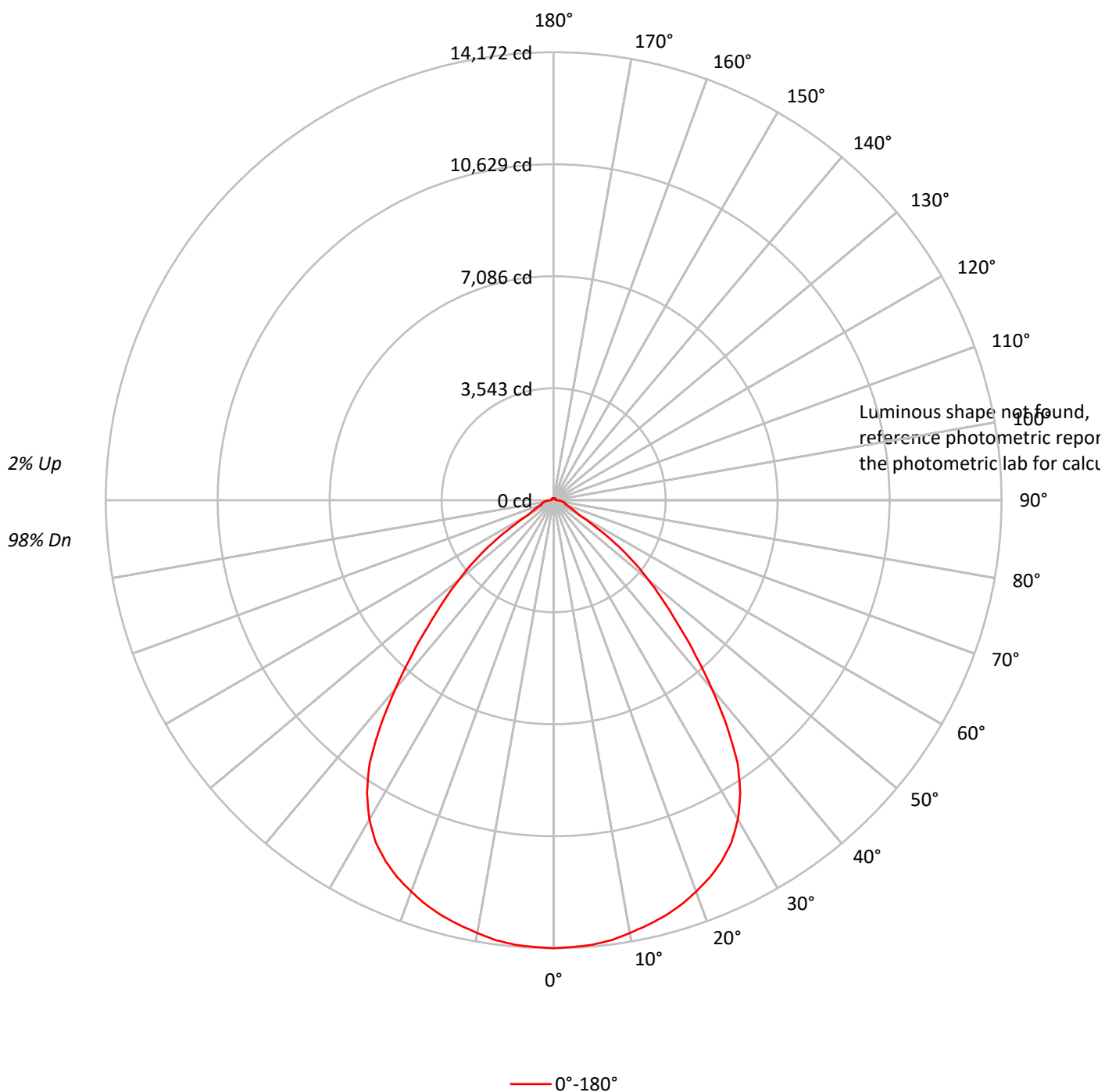
Lumens per Lamp: N/A
Luminaire Lumens: 25348.9 lumens
Efficiency: N/A
Efficacy: 162.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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





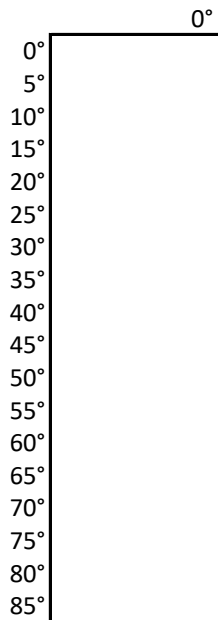
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	100	100	100						98		
1	111	108	104	101	108	105	102	100	101	98	96	97	95	93	93	91	90						88		
2	104	97	92	88	101	95	91	87	92	88	84	88	85	82	85	83	80						78		
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	78	75	72						70		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64						62		
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58						56		
6	78	67	60	54	77	66	59	54	64	58	54	63	57	53	61	56	52						51		
7	73	62	54	49	72	61	54	49	59	53	48	58	52	48	57	52	48						46		
8	69	57	50	45	67	56	49	44	55	49	44	54	48	44	52	47	44						42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	44	40						38		
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	40	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°	1340.5	5.3
10°-20°	3839.7	15.1
20°-30°	5778.6	22.8
30°-40°	6211.6	24.5
40°-50°	4369.3	17.2
50°-60°	2119.8	8.4
60°-70°	633.2	2.5
70°-80°	390.6	1.5
80°-90°	224.8	0.9
90°-100°	81.5	0.3
100°-110°	79.1	0.3
110°-120°	73.1	0.3
120°-130°	63.8	0.3
130°-140°	53.5	0.2
140°-150°	44.0	0.2
150°-160°	28.9	0.1
160°-170°	13.4	0.1
170°-180°	3.6	0.0
0°-30°	10958.7	43.2
0°-40°	17170.3	67.7
0°-60°	23659.3	93.3
0°-90°	24908.0	98.3
90°-120°	233.7	0.9
90°-150°	395.0	1.6
90°-180°	441.0	1.7
0°-180°	25348.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14172	
5°	14113	###
15°	13610	3840
25°	12592	5779
35°	10148	6212
45°	5592	4369
55°	2382	2120
65°	620	633
75°	369	391
85°	213	194
90°	77	52
95°	74	61
105°	75	79
115°	74	73
125°	71	64
135°	69	54
145°	70	44
155°	61	29
165°	46	13
175°	36	4
180°	35	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14171.5
2.5°	14145.7
5°	14113.0
7.5°	14035.6
10°	13897.2
12.5°	13763.1
15°	13610.0
17.5°	13416.6
20°	13175.8
22.5°	12912.7
25°	12592.0
27.5°	12191.3
30°	11655.7
32.5°	10990.2
35°	10148.4
37.5°	8998.0
40°	7783.9
42.5°	6639.5
45°	5592.2
47.5°	4700.6
50°	3909.6
52.5°	3166.7
55°	2381.7
57.5°	1594.1
60°	939.8
62.5°	760.1
65°	619.9
67.5°	502.1
70°	425.6
72.5°	392.1
75°	368.9
77.5°	348.2
80°	313.0
82.5°	268.3
85°	213.2
87.5°	148.7
90°	77.4
92.5°	73.9
95°	73.9
97.5°	74.8
100°	74.8
102.5°	74.8
105°	74.8
107.5°	74.8
110°	74.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	73.9
115°	73.9
117.5°	73.1
120°	72.2
122.5°	71.4
125°	71.4
127.5°	70.5
130°	69.6
132.5°	69.6
135°	68.8
137.5°	68.8
140°	68.8
142.5°	69.6
145°	70.5
147.5°	70.5
150°	70.5
152.5°	66.2
155°	61.0
157.5°	58.5
160°	54.2
162.5°	49.9
165°	46.4
167.5°	43.0
170°	40.4
172.5°	37.8
175°	36.1
177.5°	35.3
180°	35.3

(END OF REPORT)