

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: P1505050

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505050
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 (5000K_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

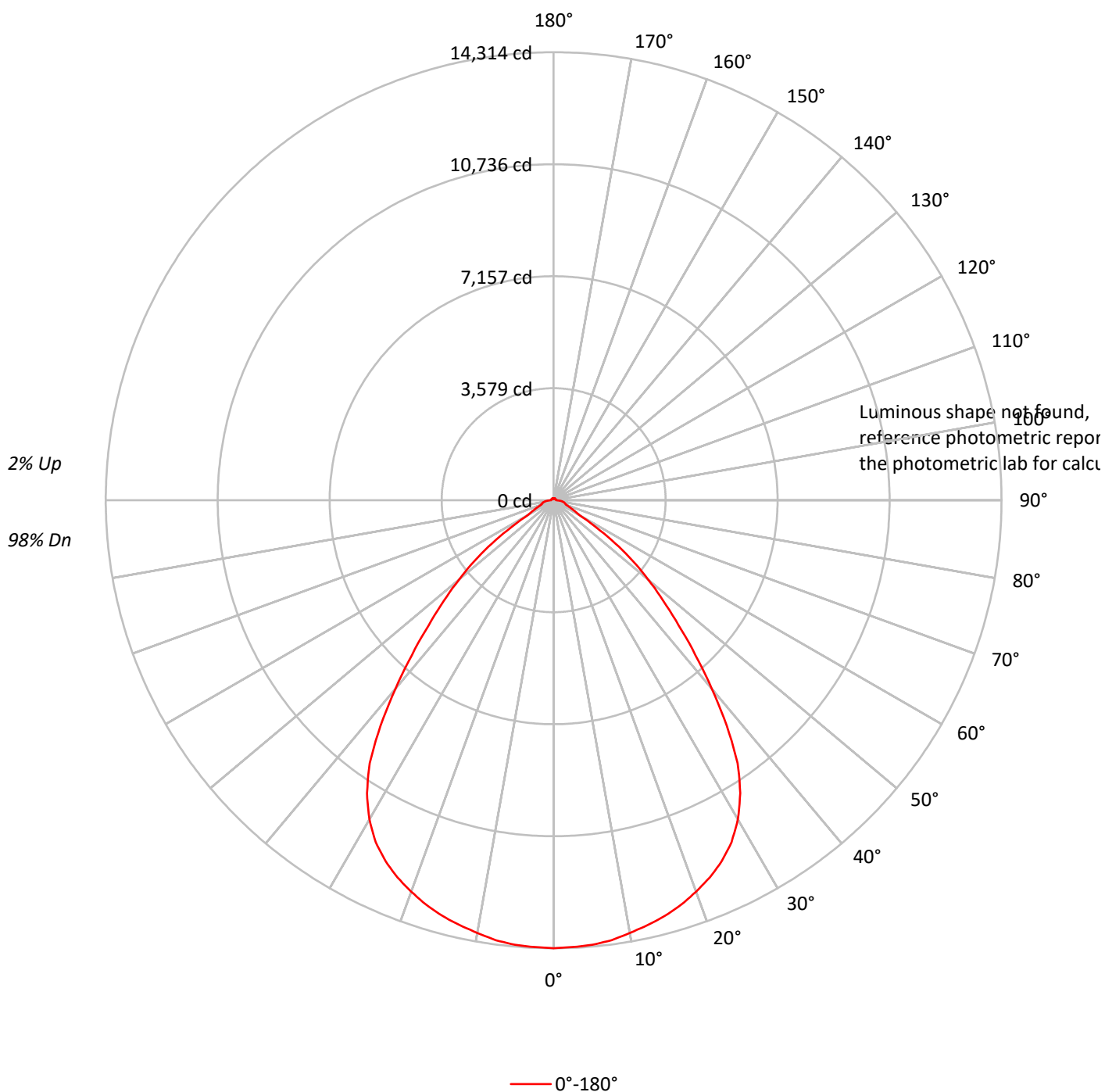
Lumens per Lamp: N/A
Luminaire Lumens: 25604.9 lumens
Efficiency: N/A
Efficacy: 163.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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	50	30	10	50	30	10		
R	C																								
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°	1354.0	5.3
10°-20°	3878.4	15.1
20°-30°	5836.9	22.8
30°-40°	6274.3	24.5
40°-50°	4413.4	17.2
50°-60°	2141.2	8.4
60°-70°	639.6	2.5
70°-80°	394.5	1.5
80°-90°	227.1	0.9
90°-100°	82.3	0.3
100°-110°	80.0	0.3
110°-120°	73.8	0.3
120°-130°	64.4	0.3
130°-140°	54.1	0.2
140°-150°	44.4	0.2
150°-160°	29.2	0.1
160°-170°	13.6	0.1
170°-180°	3.6	0.0
0°-30°	11069.4	43.2
0°-40°	17343.6	67.7
0°-60°	23898.2	93.3
0°-90°	25159.5	98.3
90°-120°	236.2	0.9
90°-150°	399.1	1.6
90°-180°	445.0	1.7
0°-180°	25604.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14314	
5°	14256	###
15°	13747	3878
25°	12719	5837
35°	10251	6274
45°	5649	4413
55°	2406	2141
65°	626	640
75°	373	395
85°	215	196
90°	78	52
95°	75	61
105°	76	80
115°	75	74
125°	72	64
135°	70	54
145°	71	44
155°	62	29
165°	47	14
175°	36	4
180°	36	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14314.5
2.5°	14288.5
5°	14255.5
7.5°	14177.3
10°	14037.5
12.5°	13902.0
15°	13747.4
17.5°	13552.0
20°	13308.8
22.5°	13043.1
25°	12719.1
27.5°	12314.4
30°	11773.3
32.5°	11101.1
35°	10250.9
37.5°	9088.8
40°	7862.5
42.5°	6706.5
45°	5648.7
47.5°	4748.1
50°	3949.0
52.5°	3198.7
55°	2405.7
57.5°	1610.2
60°	949.3
62.5°	767.8
65°	626.2
67.5°	507.2
70°	429.9
72.5°	396.0
75°	372.6
77.5°	351.7
80°	316.1
82.5°	271.0
85°	215.4
87.5°	150.2
90°	78.2
92.5°	74.7
95°	74.7
97.5°	75.6
100°	75.6
102.5°	75.6
105°	75.6
107.5°	75.6
110°	75.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	74.7
115°	74.7
117.5°	73.8
120°	73.0
122.5°	72.1
125°	72.1
127.5°	71.2
130°	70.3
132.5°	70.3
135°	69.5
137.5°	69.5
140°	69.5
142.5°	70.3
145°	71.2
147.5°	71.2
150°	71.2
152.5°	66.9
155°	61.7
157.5°	59.1
160°	54.7
162.5°	50.4
165°	46.9
167.5°	43.4
170°	40.8
172.5°	38.2
175°	36.5
177.5°	35.6
180°	35.6

(END OF REPORT)