

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: P1505338

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505338
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-95)
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-CLER-PS (3000K_L24_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

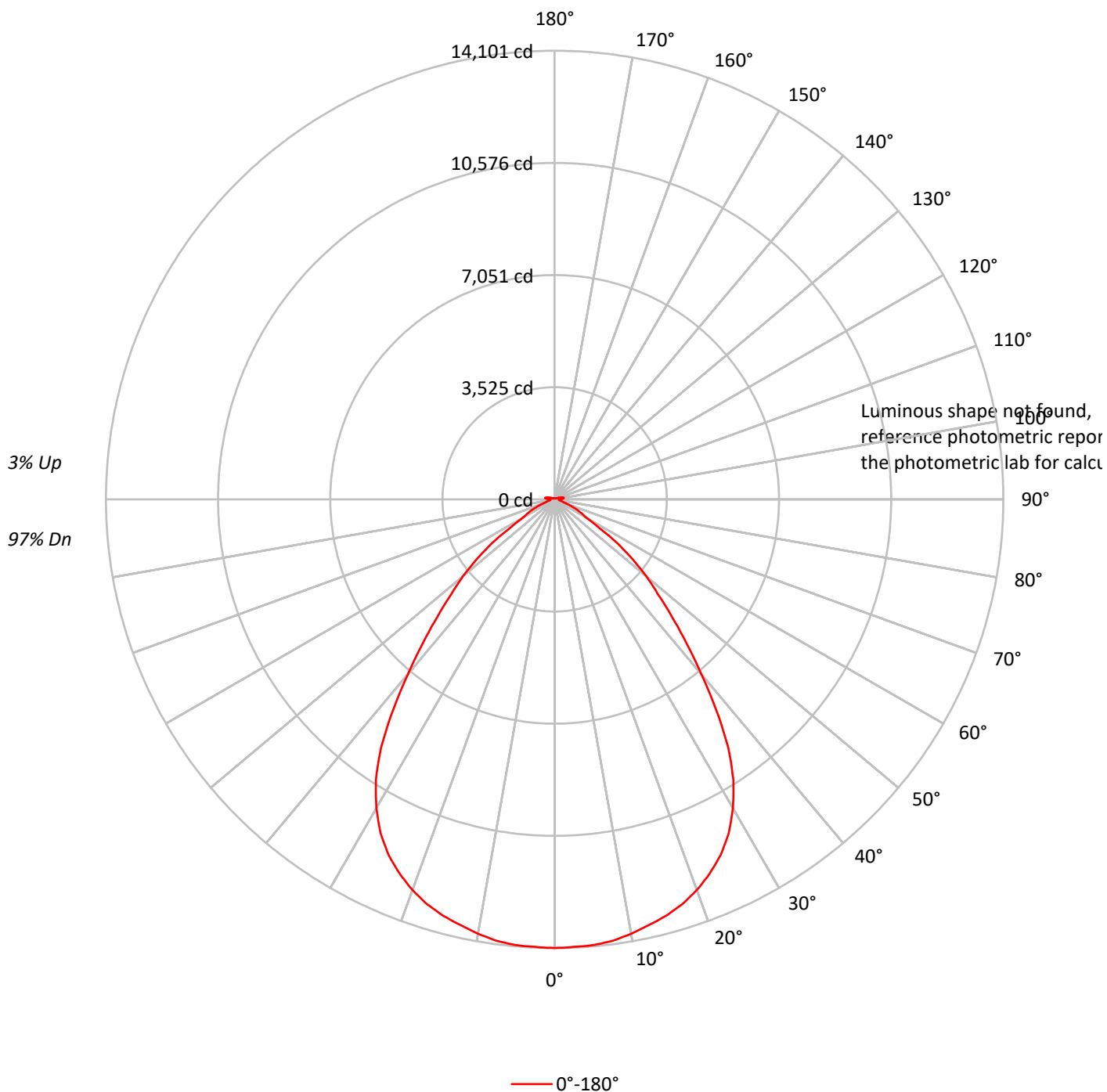
Lumens per Lamp: N/A
Luminaire Lumens: 24792.8 lumens
Efficiency: N/A
Efficacy: 155.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 159.4
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	103	97	92	88	101	95	90	86	91	87	84	88	85	82	84	82	80	78		
3	96	88	82	77	94	86	81	76	83	78	74	80	76	73	77	74	71	69		
4	90	80	73	68	88	79	72	67	76	70	66	74	69	65	71	67	64	62		
5	84	73	66	60	82	72	65	60	70	64	59	68	62	58	66	61	57	56		
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50		
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	46		
8	69	57	50	45	67	56	49	45	55	49	44	53	48	44	52	47	43	42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	43	40	38		
10	61	49	42	38	60	49	42	37	47	41	37	46	41	37	45	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°	1336.0	5.4
10°-20°	3819.1	15.4
20°-30°	5650.5	22.8
30°-40°	5837.2	23.5
40°-50°	4064.6	16.4
50°-60°	2125.1	8.6
60°-70°	767.5	3.1
70°-80°	263.0	1.1
80°-90°	158.7	0.6
90°-100°	278.3	1.1
100°-110°	253.0	1.0
110°-120°	110.1	0.4
120°-130°	43.6	0.2
130°-140°	30.4	0.1
140°-150°	24.8	0.1
150°-160°	17.7	0.1
160°-170°	10.0	0.0
170°-180°	3.2	0.0
0°-30°	10805.6	43.6
0°-40°	16642.8	67.1
0°-60°	22832.5	92.1
0°-90°	24021.7	96.9
90°-120°	641.4	2.6
90°-150°	740.2	3.0
90°-180°	771.0	3.1
0°-180°	24792.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14101	
5°	14064	###
15°	13543	3819
25°	12336	5650
35°	9506	5837
45°	5194	4065
55°	2403	2125
65°	783	768
75°	228	263
85°	133	114
90°	177	100
95°	268	223
105°	243	253
115°	106	110
125°	46	44
135°	39	30
145°	40	25
155°	38	18
165°	35	10
175°	34	3
180°	35	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	14101.0
2.5°	14078.7
5°	14063.8
7.5°	13992.1
10°	13860.9
12.5°	13704.1
15°	13543.3
17.5°	13337.8
20°	13065.6
22.5°	12733.9
25°	12336.3
27.5°	11838.8
30°	11206.0
32.5°	10452.8
35°	9506.5
37.5°	8337.5
40°	7176.7
42.5°	6122.3
45°	5194.2
47.5°	4399.7
50°	3752.9
52.5°	3080.6
55°	2403.2
57.5°	1650.0
60°	1136.9
62.5°	971.0
65°	782.9
67.5°	582.5
70°	414.2
72.5°	298.7
75°	228.5
77.5°	186.5
80°	154.3
82.5°	135.3
85°	132.8
87.5°	147.7
90°	177.4
92.5°	223.6
95°	268.1
97.5°	293.7
100°	293.7
102.5°	273.1
105°	242.6
107.5°	207.1
110°	170.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	135.3
115°	105.6
117.5°	82.5
120°	65.2
122.5°	53.6
125°	46.2
127.5°	41.3
130°	39.6
132.5°	38.8
135°	38.8
137.5°	39.6
140°	40.4
142.5°	39.6
145°	39.6
147.5°	38.8
150°	38.8
152.5°	38.8
155°	38.0
157.5°	38.0
160°	37.1
162.5°	36.3
165°	34.7
167.5°	33.8
170°	33.0
172.5°	33.0
175°	33.8
177.5°	33.8
180°	34.7

(END OF REPORT)