

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: P1505356

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505356
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 (4000K_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

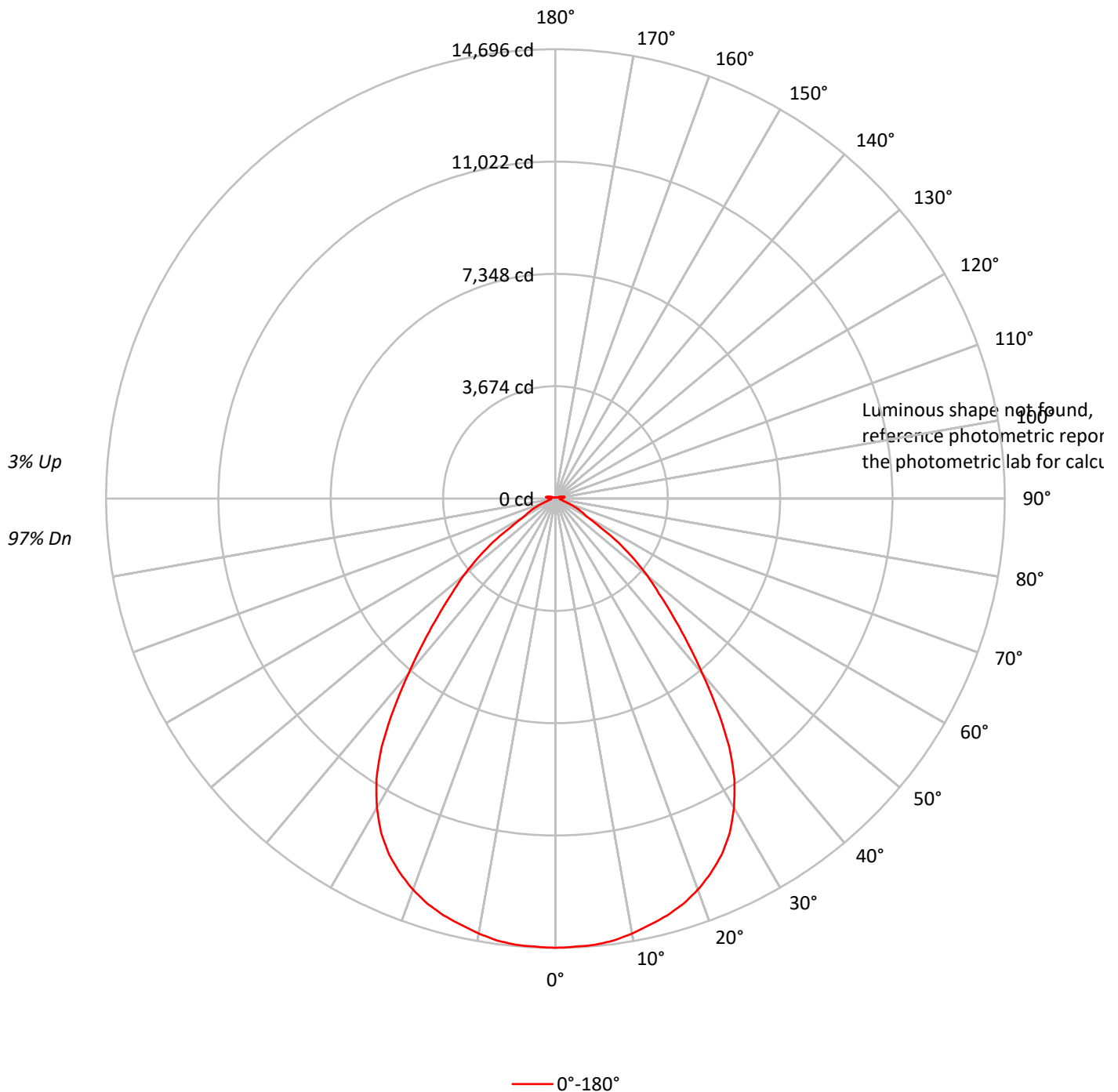
Lumens per Lamp: N/A
Luminaire Lumens: 25838.9 lumens
Efficiency: N/A
Efficacy: 166.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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	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°	1392.3	5.4
10°-20°	3980.3	15.4
20°-30°	5888.9	22.8
30°-40°	6083.6	23.5
40°-50°	4236.1	16.4
50°-60°	2214.8	8.6
60°-70°	799.9	3.1
70°-80°	274.1	1.1
80°-90°	165.4	0.6
90°-100°	290.1	1.1
100°-110°	263.6	1.0
110°-120°	114.7	0.4
120°-130°	45.4	0.2
130°-140°	31.7	0.1
140°-150°	25.8	0.1
150°-160°	18.4	0.1
160°-170°	10.4	0.0
170°-180°	3.3	0.0
0°-30°	11261.5	43.6
0°-40°	17345.1	67.1
0°-60°	23796.0	92.1
0°-90°	25035.3	96.9
90°-120°	668.4	2.6
90°-150°	771.4	3.0
90°-180°	804.0	3.1
0°-180°	25838.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14696	
5°	14657	###
15°	14115	3980
25°	12857	5889
35°	9908	6084
45°	5413	4236
55°	2505	2215
65°	816	800
75°	238	274
85°	138	119
90°	185	104
95°	279	233
105°	253	264
115°	110	115
125°	48	45
135°	40	32
145°	41	26
155°	40	18
165°	36	10
175°	35	3
180°	36	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14696.0
2.5°	14672.7
5°	14657.3
7.5°	14582.5
10°	14445.8
12.5°	14282.4
15°	14114.7
17.5°	13900.6
20°	13616.9
22.5°	13271.2
25°	12856.8
27.5°	12338.4
30°	11678.9
32.5°	10893.9
35°	9907.7
37.5°	8689.3
40°	7479.5
42.5°	6380.7
45°	5413.4
47.5°	4585.4
50°	3911.3
52.5°	3210.6
55°	2504.6
57.5°	1719.6
60°	1184.8
62.5°	1012.0
65°	816.0
67.5°	607.0
70°	431.6
72.5°	311.3
75°	238.2
77.5°	194.3
80°	160.8
82.5°	141.0
85°	138.4
87.5°	153.9
90°	184.9
92.5°	233.0
95°	279.4
97.5°	306.1
100°	306.1
102.5°	284.6
105°	252.8
107.5°	215.8
110°	177.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	141.0
115°	110.1
117.5°	86.0
120°	67.9
122.5°	55.9
125°	48.1
127.5°	43.0
130°	41.3
132.5°	40.4
135°	40.4
137.5°	41.3
140°	42.1
142.5°	41.3
145°	41.3
147.5°	40.4
150°	40.4
152.5°	40.4
155°	39.6
157.5°	39.6
160°	38.7
162.5°	37.8
165°	36.1
167.5°	35.3
170°	34.4
172.5°	34.4
175°	35.3
177.5°	35.3
180°	36.1

(END OF REPORT)