

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: P1505379

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (6500K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505379
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-96)
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 (6500K_L32_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

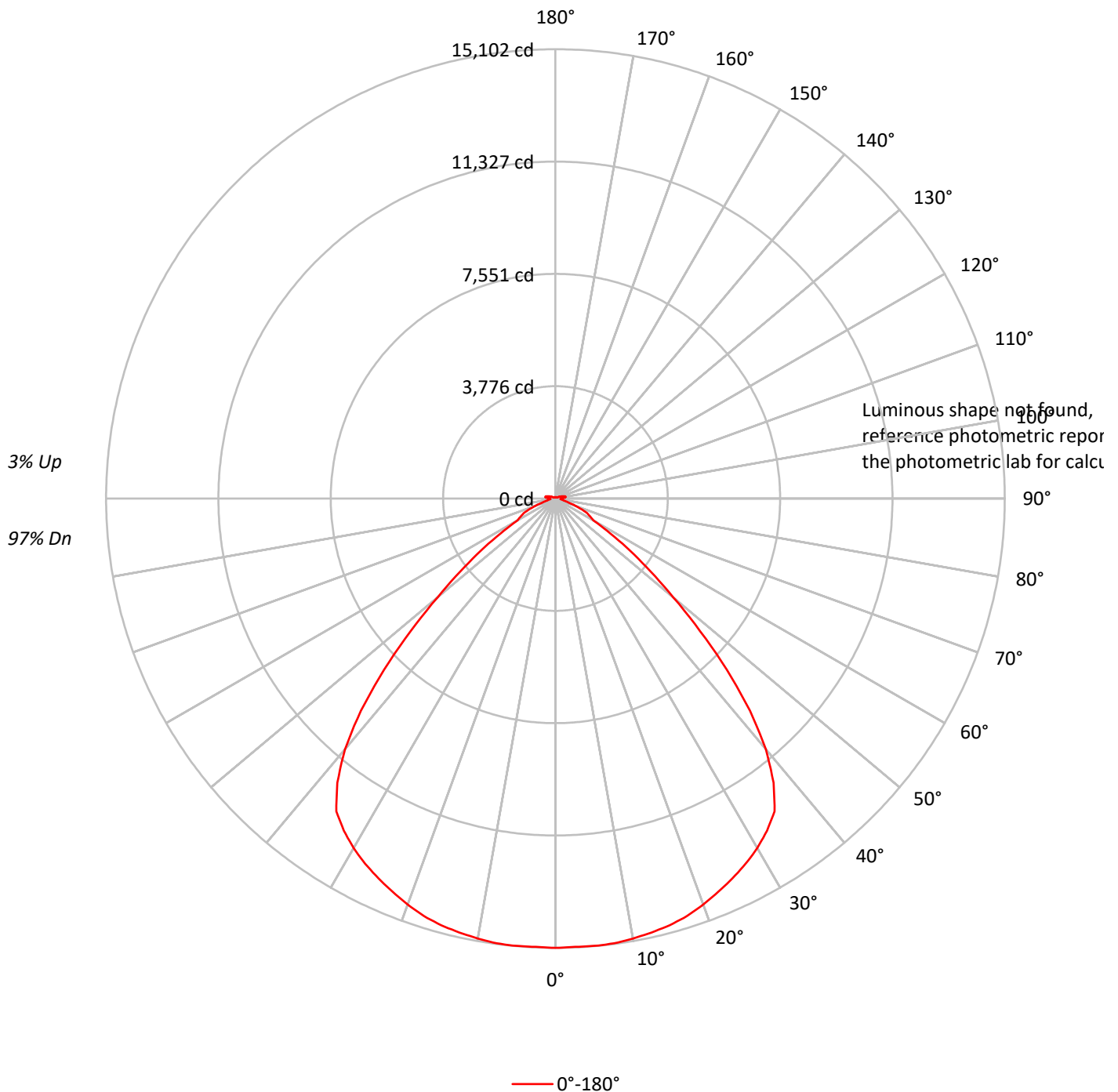
Lumens per Lamp: N/A
Luminaire Lumens: 31746.4 lumens
Efficiency: N/A
Efficacy: 158.7 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 200.1
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				0
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	97	95	96	94	92	92	90	89	87			
2	103	96	91	87	100	94	89	85	91	86	83	87	84	81	84	81	79	76			
3	96	87	80	75	93	85	79	74	82	77	73	79	75	71	76	73	70	68			
4	89	79	72	66	86	77	71	65	75	69	64	72	67	63	70	65	62	60			
5	82	72	64	58	80	70	63	58	68	62	57	66	60	56	64	59	55	54			
6	77	65	58	52	75	64	57	52	62	56	51	60	55	50	59	54	50	48			
7	72	60	52	47	70	59	52	46	57	51	46	56	50	45	54	49	45	43			
8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50	45	41	39			
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	46	41	37	36			
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	33			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1438.6	4.5
10°-20°	4193.2	13.2
20°-30°	6499.3	20.5
30°-40°	7884.0	24.8
40°-50°	6230.4	19.6
50°-60°	2797.3	8.8
60°-70°	1129.1	3.6
70°-80°	420.0	1.3
80°-90°	199.1	0.6
90°-100°	317.1	1.0
100°-110°	310.9	1.0
110°-120°	146.0	0.5
120°-130°	60.8	0.2
130°-140°	43.5	0.1
140°-150°	35.0	0.1
150°-160°	24.3	0.1
160°-170°	13.7	0.0
170°-180°	4.2	0.0
0°-30°	12131.1	38.2
0°-40°	20015.1	63.0
0°-60°	29042.8	91.5
0°-90°	30791.0	97.0
90°-120°	774.0	2.4
90°-150°	913.3	2.9
90°-180°	955.0	3.0
0°-180°	31746.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15102	
5°	15095	###
15°	14847	4193
25°	14085	6499
35°	12839	7884
45°	8145	6230
55°	3063	2797
65°	1187	1129
75°	357	420
85°	166	148
90°	198	112
95°	303	256
105°	300	311
115°	142	146
125°	64	61
135°	56	44
145°	55	35
155°	52	24
165°	48	14
175°	45	4
180°	46	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15102.1
2.5°	15086.8
5°	15094.9
7.5°	15080.6
10°	15014.4
12.5°	14938.9
15°	14847.2
17.5°	14712.6
20°	14522.0
22.5°	14305.9
25°	14084.6
27.5°	13842.0
30°	13565.7
32.5°	13233.4
35°	12838.9
37.5°	12039.6
40°	10999.8
42.5°	9675.5
45°	8145.4
47.5°	6598.9
50°	5170.6
52.5°	4022.7
55°	3063.4
57.5°	2198.9
60°	1484.3
62.5°	1313.0
65°	1186.6
67.5°	969.5
70°	714.6
72.5°	493.4
75°	356.8
77.5°	277.3
80°	220.2
82.5°	183.5
85°	166.2
87.5°	171.3
90°	197.8
92.5°	249.8
95°	302.8
97.5°	338.5
100°	346.6
102.5°	330.3
105°	299.7
107.5°	261.0
110°	218.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	178.4
115°	141.7
117.5°	111.1
120°	89.7
122.5°	74.4
125°	64.2
127.5°	58.1
130°	56.1
132.5°	55.1
135°	56.1
137.5°	57.1
140°	57.1
142.5°	57.1
145°	55.1
147.5°	55.1
150°	54.0
152.5°	53.0
155°	52.0
157.5°	52.0
160°	51.0
162.5°	50.0
165°	47.9
167.5°	45.9
170°	43.8
172.5°	43.8
175°	44.9
177.5°	45.9
180°	45.9

(END OF REPORT)