

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: P1504999

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (4000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504999
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-83)
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-CLER-PS (4000K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

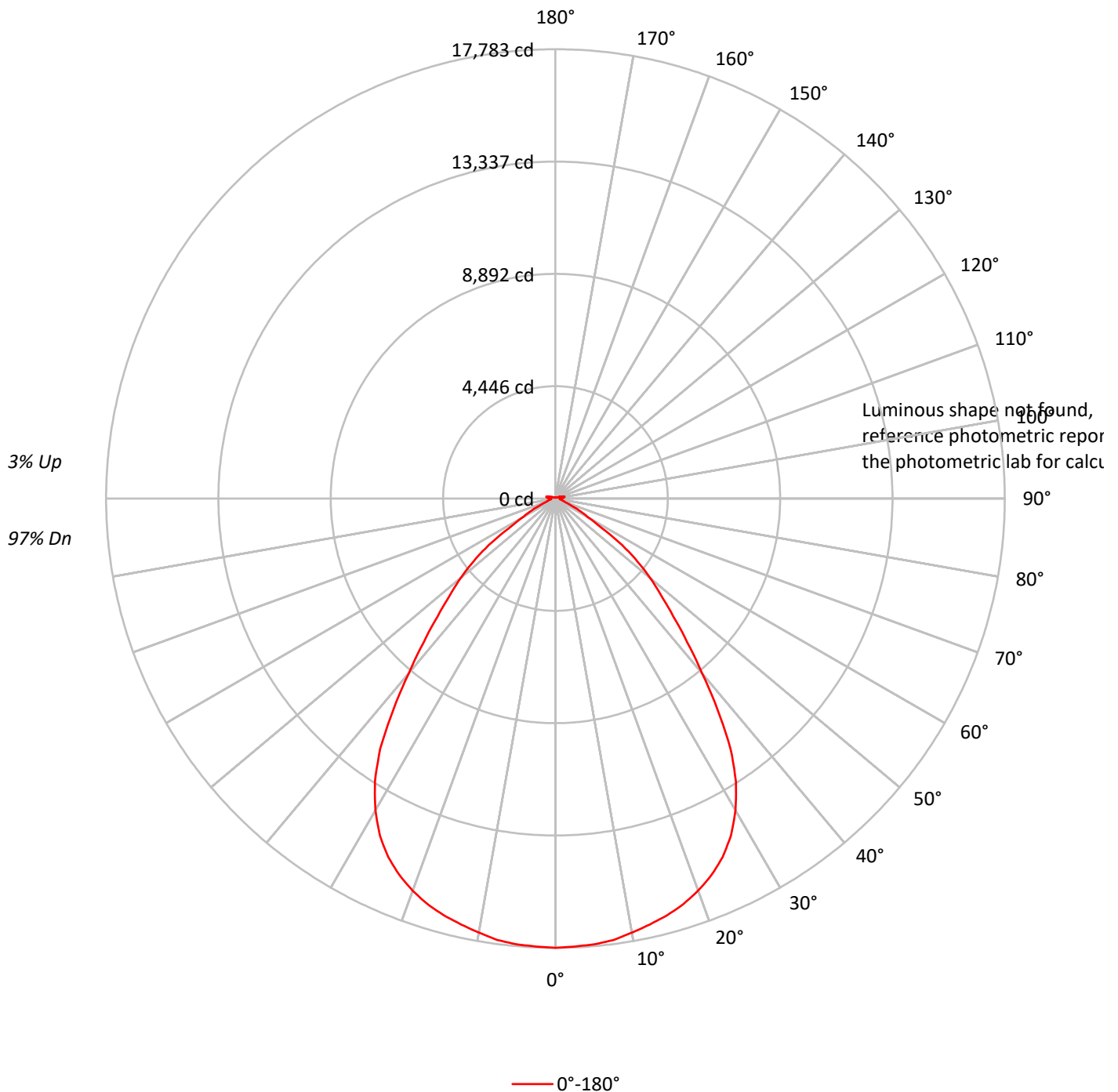
Lumens per Lamp: N/A
Luminaire Lumens: 31436.0 lumens
Efficiency: N/A
Efficacy: 161.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 194.3
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	104	97	92	88	101	95	90	87	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	78	74	71	69		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62		
5	84	73	66	61	82	72	65	60	70	64	59	68	62	58	66	61	58	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	44	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	59	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°	1682.5	5.4
10°-20°	4817.0	15.3
20°-30°	7169.4	22.8
30°-40°	7405.3	23.6
40°-50°	5174.9	16.5
50°-60°	2827.3	9.0
60°-70°	868.8	2.8
70°-80°	306.2	1.0
80°-90°	195.5	0.6
90°-100°	332.4	1.1
100°-110°	333.3	1.1
110°-120°	151.1	0.5
120°-130°	59.2	0.2
130°-140°	40.1	0.1
140°-150°	33.6	0.1
150°-160°	23.7	0.1
160°-170°	12.3	0.0
170°-180°	3.6	0.0
0°-30°	13668.9	43.5
0°-40°	21074.2	67.0
0°-60°	29076.3	92.5
0°-90°	30446.8	96.9
90°-120°	816.8	2.6
90°-150°	949.7	3.0
90°-180°	989.0	3.1
0°-180°	31436.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17783	
5°	17710	###
15°	17074	4817
25°	15657	7169
35°	12082	7405
45°	6593	5175
55°	3228	2827
65°	835	869
75°	285	306
85°	163	143
90°	209	117
95°	314	268
105°	323	333
115°	146	151
125°	63	59
135°	51	40
145°	53	34
155°	51	24
165°	43	12
175°	37	4
180°	37	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17782.9
2.5°	17745.3
5°	17709.8
7.5°	17622.0
10°	17445.3
12.5°	17264.4
15°	17074.2
17.5°	16834.8
20°	16519.1
22.5°	16131.2
25°	15656.6
27.5°	15042.0
30°	14255.8
32.5°	13295.1
35°	12082.5
37.5°	10544.7
40°	9035.2
42.5°	7729.5
45°	6593.2
47.5°	5659.7
50°	4908.1
52.5°	4090.6
55°	3228.1
57.5°	2211.0
60°	1513.7
62.5°	1179.2
65°	835.3
67.5°	558.2
70°	402.5
72.5°	329.3
75°	285.4
77.5°	243.6
80°	201.8
82.5°	171.4
85°	163.1
87.5°	176.7
90°	209.1
92.5°	261.3
95°	313.6
97.5°	354.4
100°	371.1
102.5°	356.5
105°	323.0
107.5°	278.1
110°	230.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	185.0
115°	146.4
117.5°	113.9
120°	89.9
122.5°	73.2
125°	62.7
127.5°	55.4
130°	52.3
132.5°	51.2
135°	51.2
137.5°	52.3
140°	52.3
142.5°	53.3
145°	53.3
147.5°	54.4
150°	54.4
152.5°	53.3
155°	51.2
157.5°	49.1
160°	47.0
162.5°	45.0
165°	42.9
167.5°	40.8
170°	38.7
172.5°	37.6
175°	36.6
177.5°	36.6
180°	36.6

(END OF REPORT)