

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: P1505361

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (4000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505361
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 (4000K_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

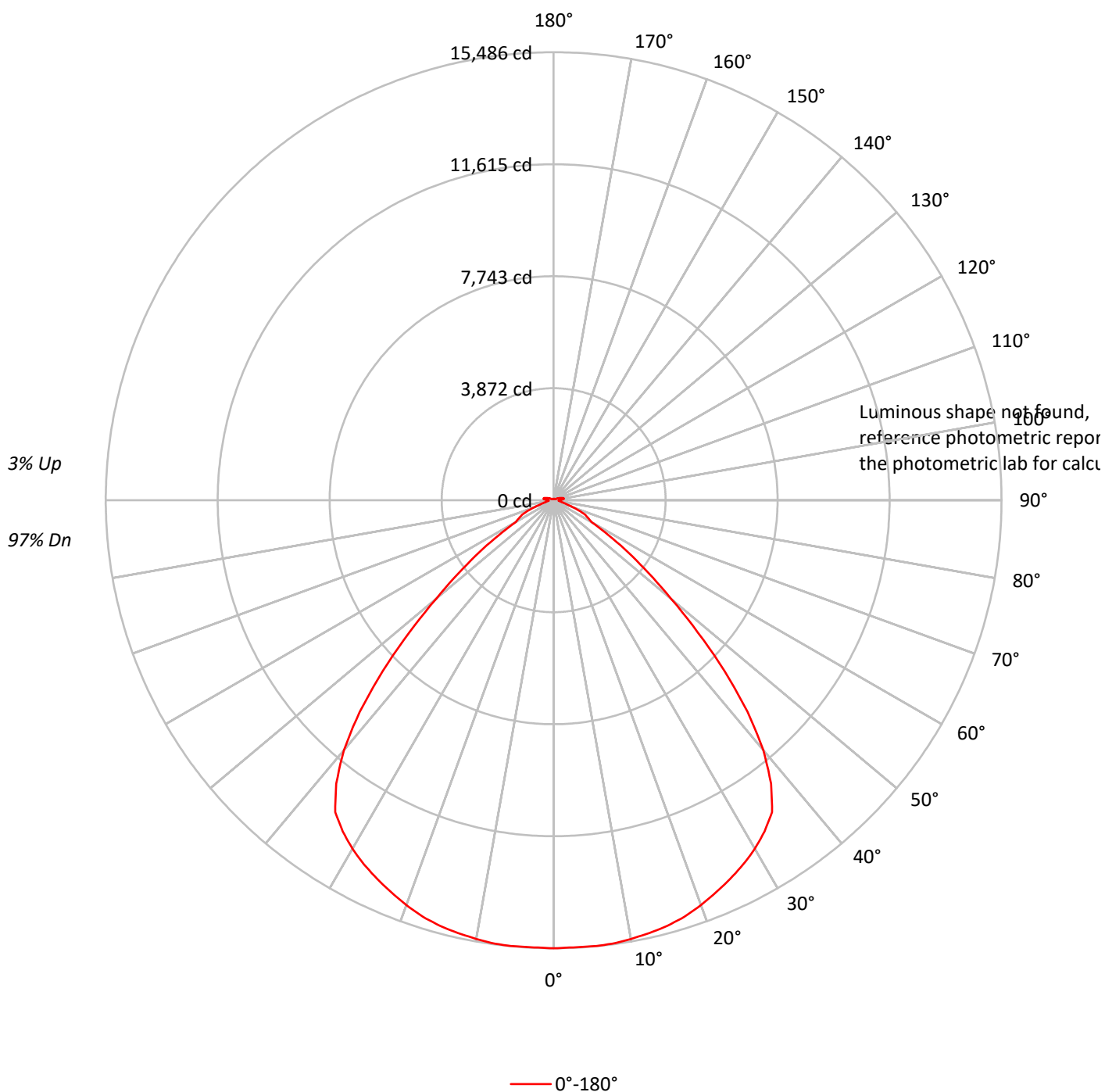
Lumens per Lamp: N/A
Luminaire Lumens: 32554.1 lumens
Efficiency: N/A
Efficacy: 167.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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	50	30	10
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	97	
1	111	107	104	101	108	105	102	99	100	97	95	96	94	92	92	90	89	89	87	
2	103	96	91	87	100	94	89	85	91	86	83	87	84	81	84	81	79	79	76	
3	96	87	80	75	93	85	79	74	82	77	73	79	75	71	76	73	70	70	68	
4	89	79	72	66	86	77	71	65	75	69	64	72	67	63	70	65	62	62	60	
5	82	72	64	58	80	70	63	58	68	62	57	66	60	56	64	59	55	55	54	
6	77	65	58	52	75	64	57	52	62	56	51	60	55	50	59	54	50	50	48	
7	72	60	52	47	70	59	52	46	57	51	46	56	50	45	54	49	45	45	43	
8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50	45	41	41	39	
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	46	41	37	37	36	
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	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°	1475.2	4.5
10°-20°	4299.9	13.2
20°-30°	6664.7	20.5
30°-40°	8084.6	24.8
40°-50°	6388.9	19.6
50°-60°	2868.6	8.8
60°-70°	1157.8	3.6
70°-80°	430.7	1.3
80°-90°	204.1	0.6
90°-100°	325.1	1.0
100°-110°	318.7	1.0
110°-120°	149.7	0.5
120°-130°	62.3	0.2
130°-140°	44.6	0.1
140°-150°	35.9	0.1
150°-160°	24.9	0.1
160°-170°	14.0	0.0
170°-180°	4.3	0.0
0°-30°	12439.7	38.2
0°-40°	20524.3	63.0
0°-60°	29781.8	91.5
0°-90°	31574.4	97.0
90°-120°	793.6	2.4
90°-150°	936.5	2.9
90°-180°	980.0	3.0
0°-180°	32554.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15486	
5°	15479	###
15°	15225	4300
25°	14443	6665
35°	13166	8085
45°	8353	6389
55°	3141	2869
65°	1217	1158
75°	366	431
85°	170	152
90°	203	115
95°	310	262
105°	307	319
115°	145	150
125°	66	62
135°	58	45
145°	56	36
155°	53	25
165°	49	14
175°	46	4
180°	47	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15486.2
2.5°	15470.6
5°	15478.9
7.5°	15464.3
10°	15396.3
12.5°	15319.0
15°	15224.9
17.5°	15086.9
20°	14891.4
22.5°	14669.8
25°	14443.0
27.5°	14194.2
30°	13910.9
32.5°	13570.1
35°	13165.5
37.5°	12345.9
40°	11279.6
42.5°	9921.7
45°	8352.6
47.5°	6766.7
50°	5302.2
52.5°	4125.1
55°	3141.4
57.5°	2254.9
60°	1522.1
62.5°	1346.4
65°	1216.8
67.5°	994.2
70°	732.8
72.5°	506.0
75°	365.9
77.5°	284.3
80°	225.8
82.5°	188.2
85°	170.4
87.5°	175.6
90°	202.8
92.5°	256.1
95°	310.5
97.5°	347.1
100°	355.4
102.5°	338.7
105°	307.3
107.5°	267.6
110°	223.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	182.9
115°	145.3
117.5°	113.9
120°	92.0
122.5°	76.3
125°	65.9
127.5°	59.6
130°	57.5
132.5°	56.5
135°	57.5
137.5°	58.5
140°	58.5
142.5°	58.5
145°	56.5
147.5°	56.5
150°	55.4
152.5°	54.4
155°	53.3
157.5°	53.3
160°	52.3
162.5°	51.2
165°	49.1
167.5°	47.0
170°	45.0
172.5°	45.0
175°	46.0
177.5°	47.0
180°	47.0

(END OF REPORT)