

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: P1505377

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (6500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505377
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 (6500K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

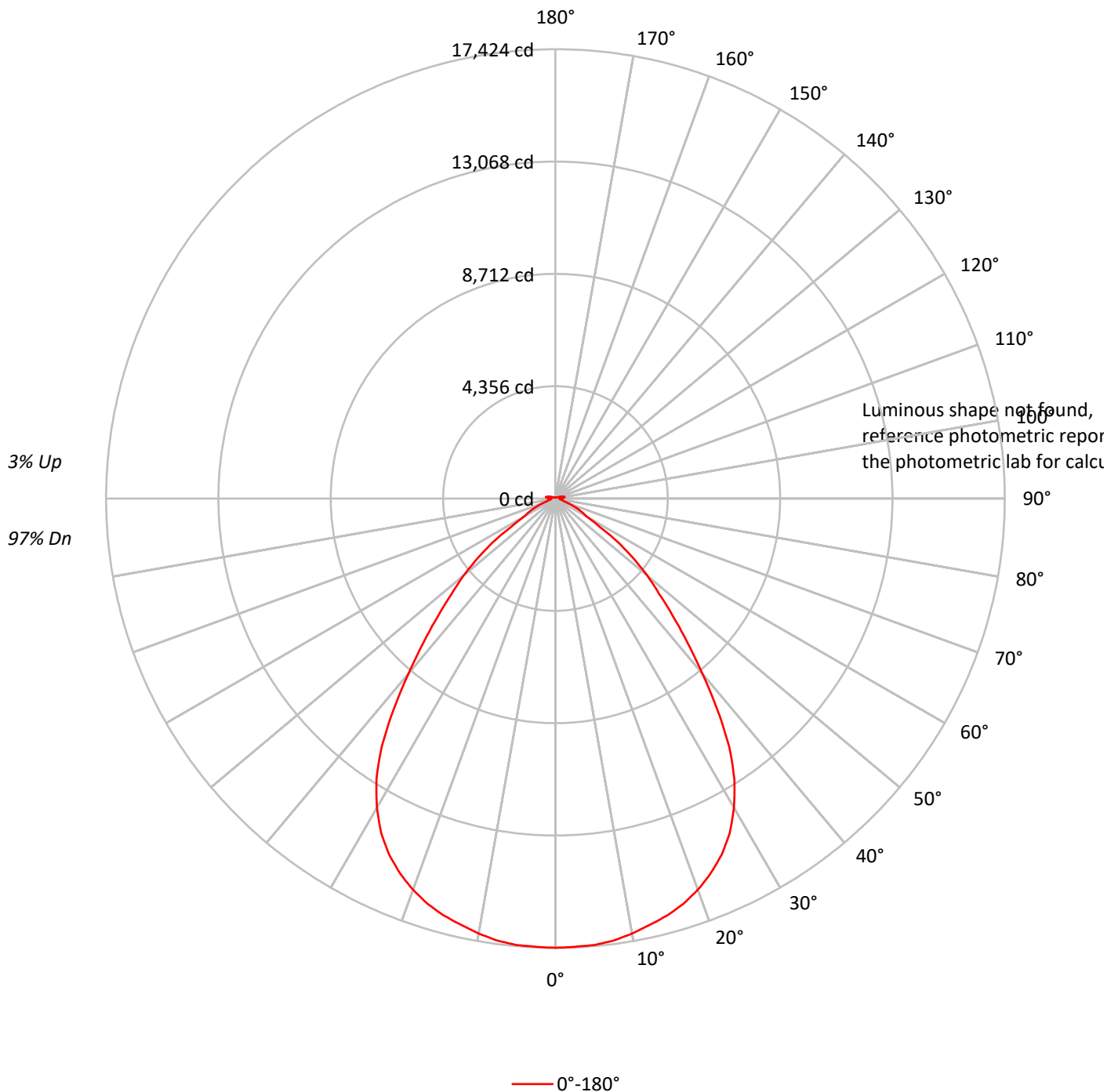
Lumens per Lamp: N/A
Luminaire Lumens: 30635.9 lumens
Efficiency: N/A
Efficacy: 153.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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			
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°	1650.8	5.4
10°-20°	4719.2	15.4
20°-30°	6982.2	22.8
30°-40°	7213.0	23.5
40°-50°	5022.6	16.4
50°-60°	2626.0	8.6
60°-70°	948.4	3.1
70°-80°	324.9	1.1
80°-90°	196.1	0.6
90°-100°	343.9	1.1
100°-110°	312.5	1.0
110°-120°	136.0	0.4
120°-130°	53.9	0.2
130°-140°	37.6	0.1
140°-150°	30.6	0.1
150°-160°	21.9	0.1
160°-170°	12.3	0.0
170°-180°	3.9	0.0
0°-30°	13352.3	43.6
0°-40°	20565.3	67.1
0°-60°	28213.9	92.1
0°-90°	29683.3	96.9
90°-120°	792.5	2.6
90°-150°	914.6	3.0
90°-180°	953.0	3.1
0°-180°	30635.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17424	
5°	17378	###
15°	16735	4719
25°	15244	6982
35°	11747	7213
45°	6418	5023
55°	2970	2626
65°	968	948
75°	282	325
85°	164	141
90°	219	123
95°	331	276
105°	300	313
115°	130	136
125°	57	54
135°	48	38
145°	49	31
155°	47	22
165°	43	12
175°	42	4
180°	43	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17424.3
2.5°	17396.8
5°	17378.5
7.5°	17289.8
10°	17127.7
12.5°	16934.0
15°	16735.2
17.5°	16481.4
20°	16144.9
22.5°	15735.1
25°	15243.8
27.5°	14629.0
30°	13847.1
32.5°	12916.4
35°	11747.1
37.5°	10302.5
40°	8868.1
42.5°	7565.3
45°	6418.4
47.5°	5436.7
50°	4637.5
52.5°	3806.6
55°	2969.6
57.5°	2038.9
60°	1404.8
62.5°	1199.9
65°	967.5
67.5°	719.7
70°	511.8
72.5°	369.0
75°	282.4
77.5°	230.4
80°	190.6
82.5°	167.2
85°	164.1
87.5°	182.5
90°	219.2
92.5°	276.3
95°	331.3
97.5°	362.9
100°	362.9
102.5°	337.4
105°	299.7
107.5°	255.9
110°	210.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	167.2
115°	130.5
117.5°	101.9
120°	80.5
122.5°	66.3
125°	57.1
127.5°	51.0
130°	48.9
132.5°	47.9
135°	47.9
137.5°	48.9
140°	50.0
142.5°	48.9
145°	48.9
147.5°	47.9
150°	47.9
152.5°	47.9
155°	46.9
157.5°	46.9
160°	45.9
162.5°	44.9
165°	42.8
167.5°	41.8
170°	40.8
172.5°	40.8
175°	41.8
177.5°	41.8
180°	42.8

(END OF REPORT)