

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: P1505353

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505353
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 (3500K_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

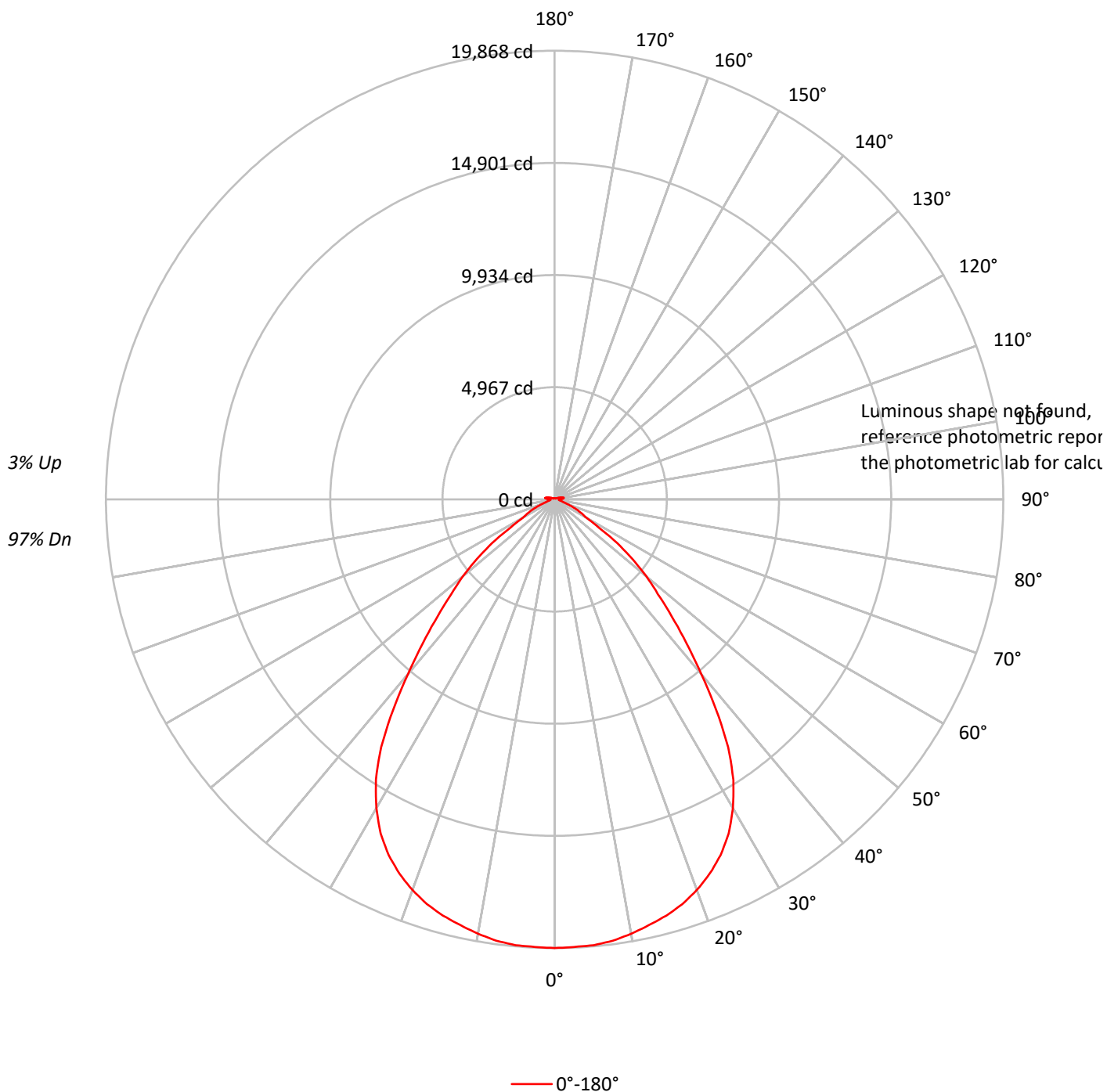
Lumens per Lamp: N/A
Luminaire Lumens: 34933.3 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 235.4
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°	1882.4	5.4
10°-20°	5381.2	15.4
20°-30°	7961.6	22.8
30°-40°	8224.8	23.5
40°-50°	5727.1	16.4
50°-60°	2994.4	8.6
60°-70°	1081.5	3.1
70°-80°	370.5	1.1
80°-90°	223.6	0.6
90°-100°	392.1	1.1
100°-110°	356.4	1.0
110°-120°	155.1	0.4
120°-130°	61.4	0.2
130°-140°	42.8	0.1
140°-150°	34.9	0.1
150°-160°	24.9	0.1
160°-170°	14.1	0.0
170°-180°	4.5	0.0
0°-30°	15225.2	43.6
0°-40°	23450.0	67.1
0°-60°	32171.5	92.1
0°-90°	33847.0	96.9
90°-120°	903.7	2.6
90°-150°	1042.9	3.0
90°-180°	1086.0	3.1
0°-180°	34933.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19868	
5°	19816	###
15°	19083	5381
25°	17382	7962
35°	13395	8225
45°	7319	5727
55°	3386	2994
65°	1103	1081
75°	322	370
85°	187	161
90°	250	140
95°	378	315
105°	342	356
115°	149	155
125°	65	61
135°	55	43
145°	56	35
155°	54	25
165°	49	14
175°	48	4
180°	49	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19868.5
2.5°	19837.1
5°	19816.2
7.5°	19715.1
10°	19530.2
12.5°	19309.4
15°	19082.7
17.5°	18793.2
20°	18409.6
22.5°	17942.3
25°	17382.0
27.5°	16681.1
30°	15789.5
32.5°	14728.2
35°	13394.8
37.5°	11747.7
40°	10112.1
42.5°	8626.5
45°	7318.7
47.5°	6199.3
50°	5288.0
52.5°	4340.6
55°	3386.2
57.5°	2324.9
60°	1601.8
62.5°	1368.2
65°	1103.2
67.5°	820.7
70°	583.5
72.5°	420.8
75°	322.0
77.5°	262.7
80°	217.4
82.5°	190.6
85°	187.2
87.5°	208.1
90°	249.9
92.5°	315.0
95°	377.8
97.5°	413.8
100°	413.8
102.5°	384.8
105°	341.8
107.5°	291.8
110°	239.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	190.6
115°	148.8
117.5°	116.2
120°	91.8
122.5°	75.6
125°	65.1
127.5°	58.1
130°	55.8
132.5°	54.6
135°	54.6
137.5°	55.8
140°	57.0
142.5°	55.8
145°	55.8
147.5°	54.6
150°	54.6
152.5°	54.6
155°	53.5
157.5°	53.5
160°	52.3
162.5°	51.1
165°	48.8
167.5°	47.7
170°	46.5
172.5°	46.5
175°	47.7
177.5°	47.7
180°	48.8

(END OF REPORT)