

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: P1505380

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (6500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505380
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_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

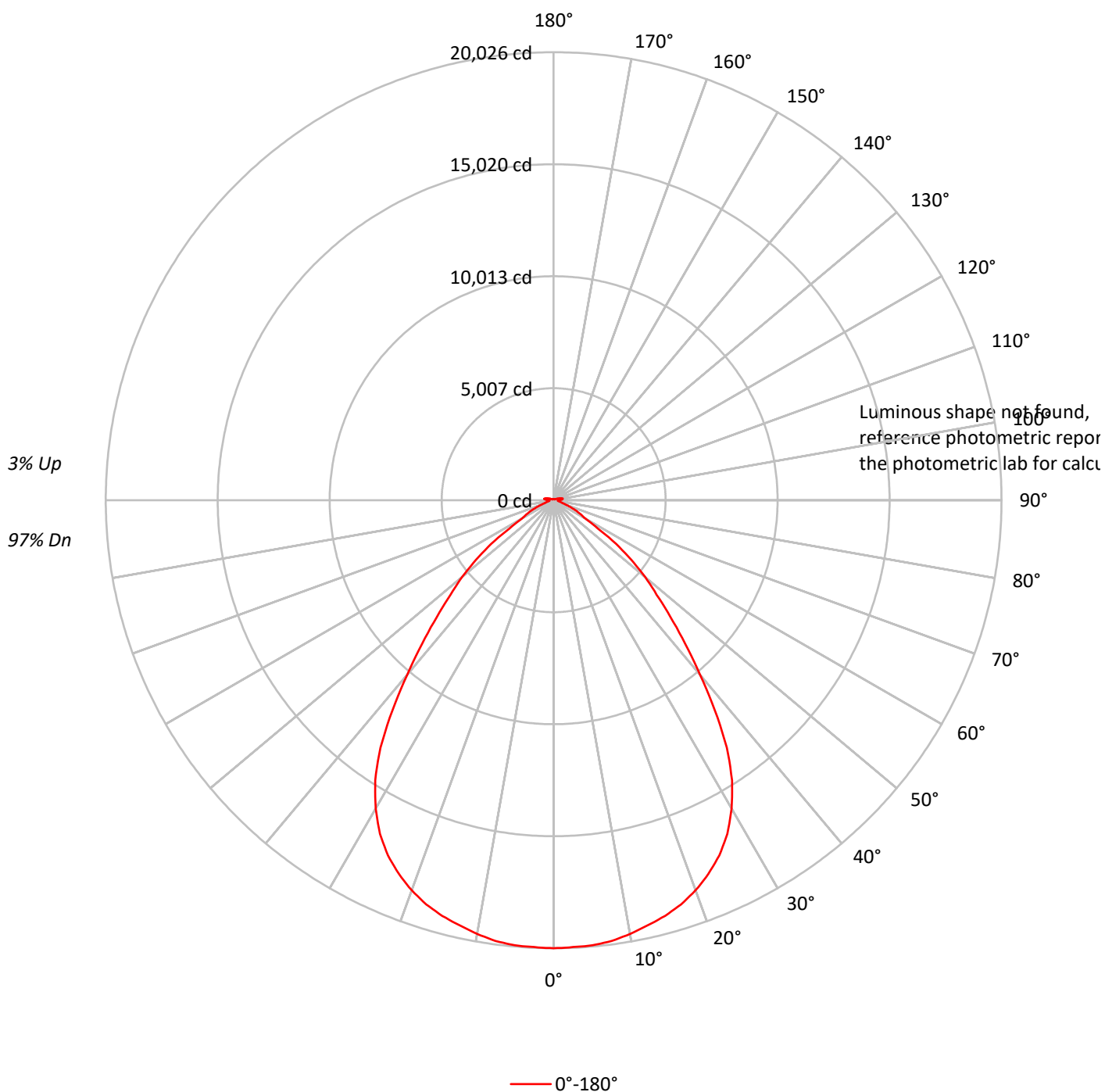
Lumens per Lamp: N/A
Luminaire Lumens: 35210.3 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 239.6
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



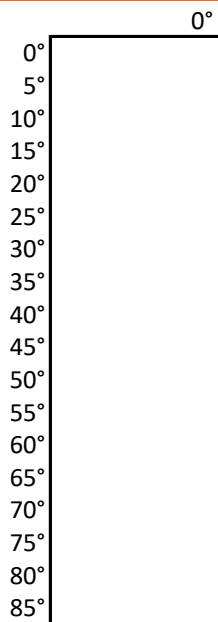
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	1897.3	5.4
10°-20°	5423.9	15.4
20°-30°	8024.8	22.8
30°-40°	8290.0	23.5
40°-50°	5772.5	16.4
50°-60°	3018.1	8.6
60°-70°	1090.0	3.1
70°-80°	373.4	1.1
80°-90°	225.3	0.6
90°-100°	395.3	1.1
100°-110°	359.2	1.0
110°-120°	156.4	0.4
120°-130°	61.9	0.2
130°-140°	43.2	0.1
140°-150°	35.2	0.1
150°-160°	25.1	0.1
160°-170°	14.2	0.0
170°-180°	4.5	0.0
0°-30°	15345.9	43.6
0°-40°	23635.9	67.1
0°-60°	32426.5	92.1
0°-90°	34115.3	96.9
90°-120°	910.9	2.6
90°-150°	1051.2	3.0
90°-180°	1095.0	3.1
0°-180°	35210.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20026	
5°	19973	###
15°	19234	5424
25°	17520	8025
35°	13501	8290
45°	7377	5773
55°	3413	3018
65°	1112	1090
75°	324	373
85°	189	162
90°	252	141
95°	381	317
105°	344	359
115°	150	156
125°	66	62
135°	55	43
145°	56	35
155°	54	25
165°	49	14
175°	48	5
180°	49	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20026.0
2.5°	19994.4
5°	19973.3
7.5°	19871.3
10°	19685.0
12.5°	19462.4
15°	19234.0
17.5°	18942.2
20°	18555.6
22.5°	18084.6
25°	17519.8
27.5°	16813.3
30°	15914.6
32.5°	14844.9
35°	13501.0
37.5°	11840.8
40°	10192.3
42.5°	8694.9
45°	7376.8
47.5°	6248.5
50°	5329.9
52.5°	4375.0
55°	3413.0
57.5°	2343.3
60°	1614.5
62.5°	1379.0
65°	1111.9
67.5°	827.2
70°	588.2
72.5°	424.1
75°	324.5
77.5°	264.8
80°	219.1
82.5°	192.2
85°	188.6
87.5°	209.7
90°	251.9
92.5°	317.5
95°	380.8
97.5°	417.1
100°	417.1
102.5°	387.8
105°	344.5
107.5°	294.1
110°	241.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	192.2
115°	150.0
117.5°	117.2
120°	92.6
122.5°	76.2
125°	65.6
127.5°	58.6
130°	56.2
132.5°	55.1
135°	55.1
137.5°	56.2
140°	57.4
142.5°	56.2
145°	56.2
147.5°	55.1
150°	55.1
152.5°	55.1
155°	53.9
157.5°	53.9
160°	52.7
162.5°	51.6
165°	49.2
167.5°	48.0
170°	46.9
172.5°	46.9
175°	48.0
177.5°	48.0
180°	49.2

(END OF REPORT)