

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: P1505371

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (5000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505371
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 (5000K_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

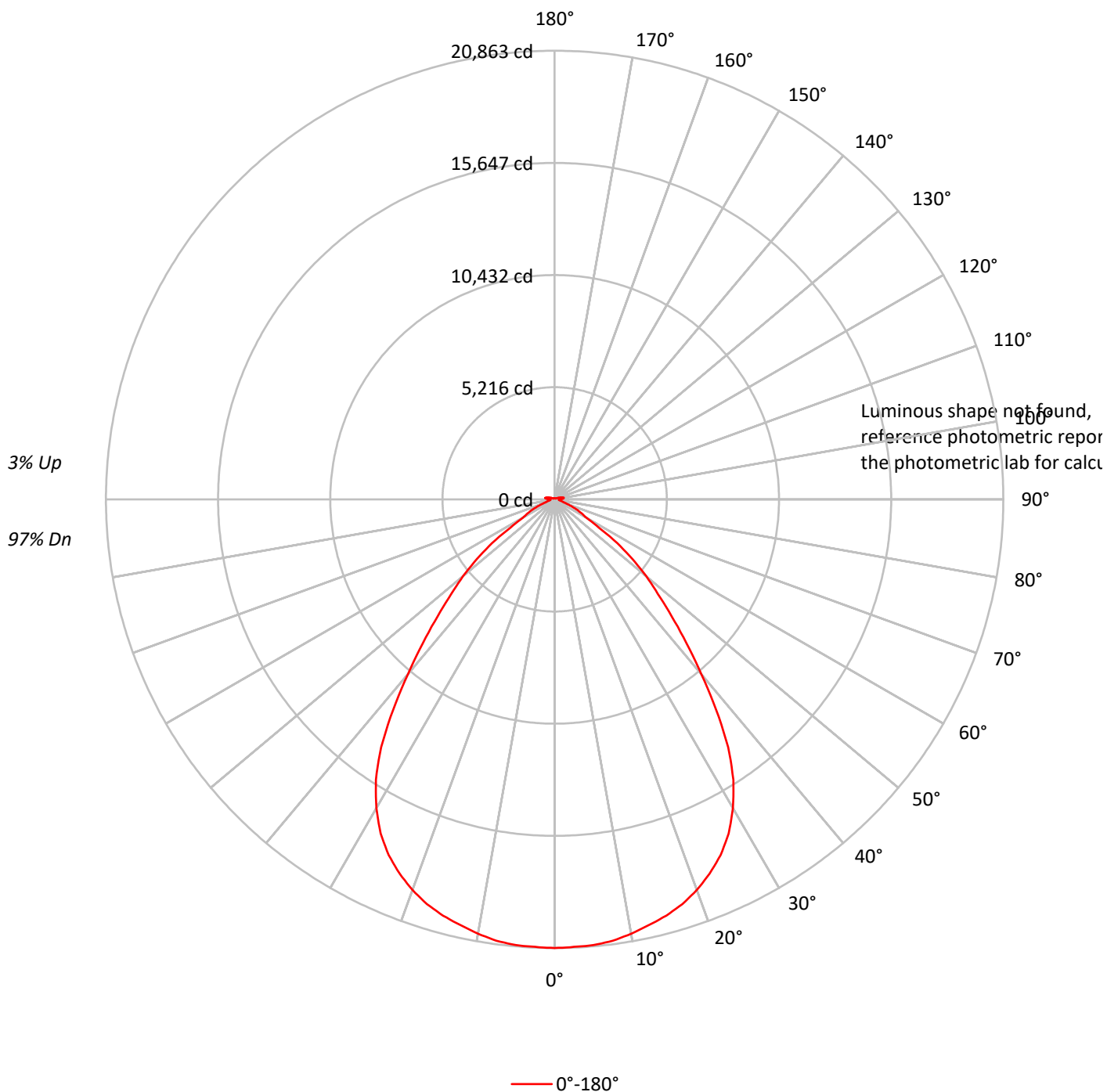
Lumens per Lamp: N/A
Luminaire Lumens: 36681.3 lumens
Efficiency: N/A
Efficacy: 157.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 233.3
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



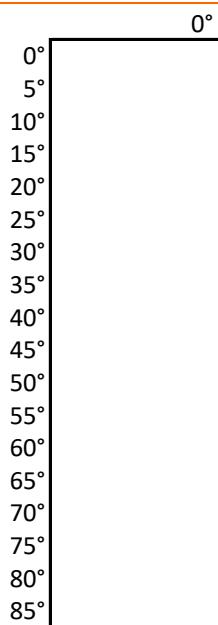
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	1976.6	5.4
10°-20°	5650.5	15.4
20°-30°	8360.0	22.8
30°-40°	8636.3	23.5
40°-50°	6013.6	16.4
50°-60°	3144.2	8.6
60°-70°	1135.6	3.1
70°-80°	389.0	1.1
80°-90°	234.8	0.6
90°-100°	411.8	1.1
100°-110°	374.2	1.0
110°-120°	162.9	0.4
120°-130°	64.5	0.2
130°-140°	45.0	0.1
140°-150°	36.7	0.1
150°-160°	26.2	0.1
160°-170°	14.8	0.0
170°-180°	4.7	0.0
0°-30°	15987.1	43.6
0°-40°	24623.4	67.1
0°-60°	33781.2	92.1
0°-90°	35540.6	96.9
90°-120°	948.9	2.6
90°-150°	1095.1	3.0
90°-180°	1141.0	3.1
0°-180°	36681.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20863	
5°	20808	###
15°	20038	5650
25°	18252	8360
35°	14065	8636
45°	7685	6014
55°	3556	3144
65°	1158	1136
75°	338	389
85°	196	169
90°	262	147
95°	397	330
105°	359	374
115°	156	163
125°	68	65
135°	57	45
145°	59	37
155°	56	26
165°	51	15
175°	50	5
180°	51	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20862.6
2.5°	20829.7
5°	20807.7
7.5°	20701.5
10°	20507.4
12.5°	20275.5
15°	20037.5
17.5°	19733.6
20°	19330.8
22.5°	18840.1
25°	18251.8
27.5°	17515.7
30°	16579.5
32.5°	15465.1
35°	14065.1
37.5°	12335.5
40°	10618.1
42.5°	9058.1
45°	7685.0
47.5°	6509.5
50°	5552.5
52.5°	4557.8
55°	3555.6
57.5°	2441.2
60°	1682.0
62.5°	1436.7
65°	1158.4
67.5°	861.7
70°	612.7
72.5°	441.9
75°	338.1
77.5°	275.9
80°	228.3
82.5°	200.2
85°	196.5
87.5°	218.5
90°	262.4
92.5°	330.8
95°	396.7
97.5°	434.5
100°	434.5
102.5°	404.0
105°	358.9
107.5°	306.4
110°	251.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	200.2
115°	156.2
117.5°	122.1
120°	96.4
122.5°	79.3
125°	68.4
127.5°	61.0
130°	58.6
132.5°	57.4
135°	57.4
137.5°	58.6
140°	59.8
142.5°	58.6
145°	58.6
147.5°	57.4
150°	57.4
152.5°	57.4
155°	56.1
157.5°	56.1
160°	54.9
162.5°	53.7
165°	51.3
167.5°	50.0
170°	48.8
172.5°	48.8
175°	50.0
177.5°	50.0
180°	51.3

(END OF REPORT)