

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: P1505363

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (4000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505363
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-94)
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_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

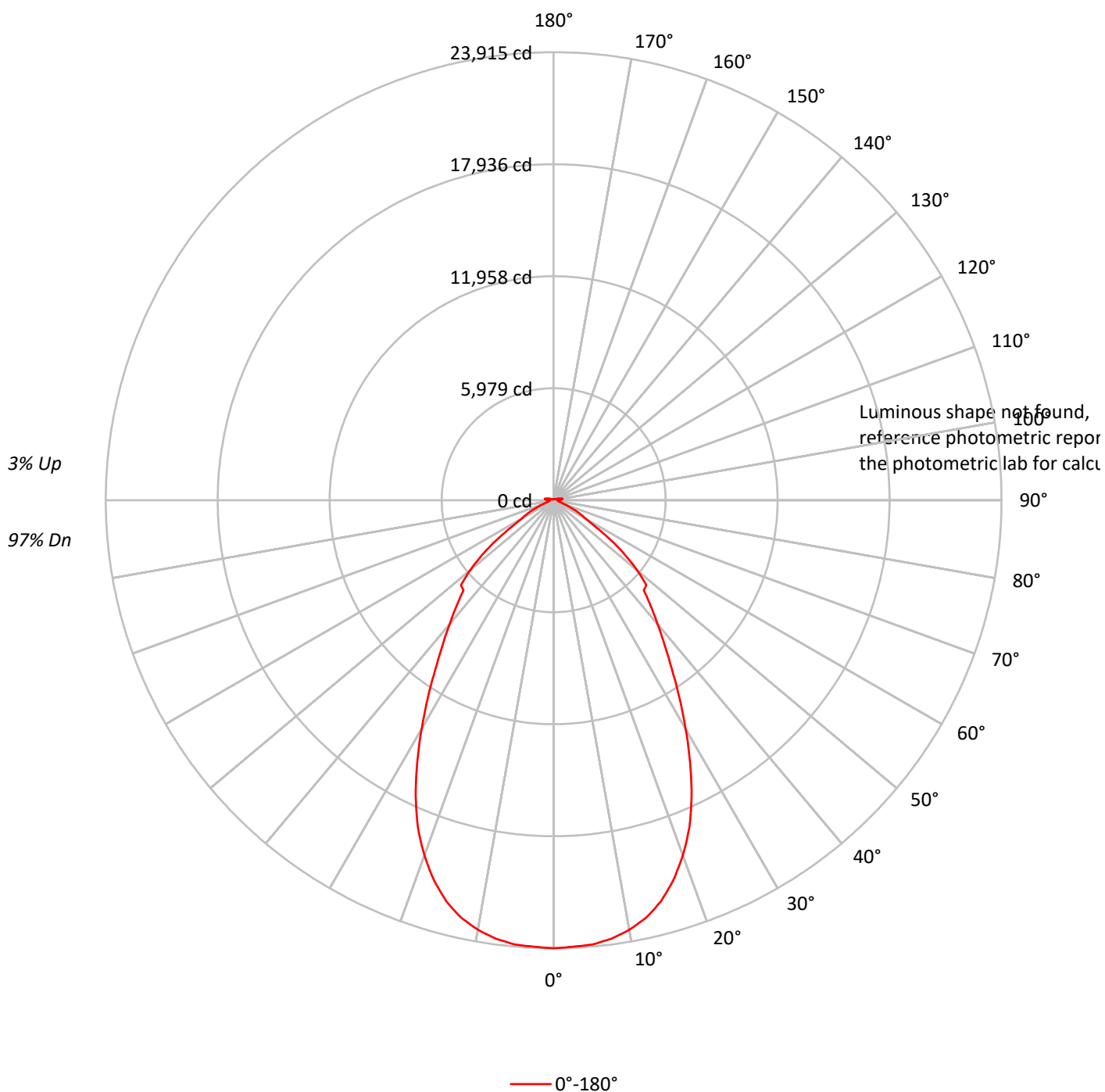
Lumens per Lamp: N/A
Luminaire Lumens: 35235.4 lumens
Efficiency: N/A
Efficacy: 151.9 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 231.9
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



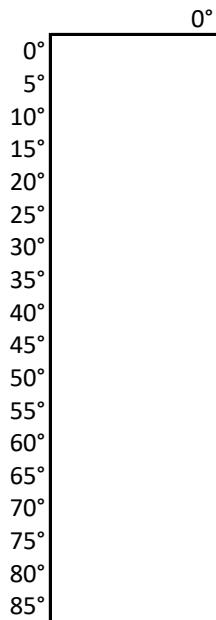
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	84	82	84	82	79	77		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	77	74	71	69		
4	90	80	73	68	88	79	73	68	76	71	66	74	69	65	71	67	64	62		
5	84	74	66	61	82	72	66	61	70	64	60	68	63	59	66	61	58	56		
6	79	68	60	55	77	67	60	55	65	59	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	46		
8	69	58	51	46	68	57	50	46	56	49	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	49	45	41	39		
10	62	50	43	39	60	50	43	39	49	43	38	47	42	38	46	41	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2255.3	6.4
10°-20°	6189.8	17.6
20°-30°	7932.8	22.5
30°-40°	6931.3	19.7
40°-50°	5477.1	15.5
50°-60°	3371.8	9.6
60°-70°	1243.8	3.5
70°-80°	371.0	1.1
80°-90°	254.9	0.7
90°-100°	460.0	1.3
100°-110°	399.5	1.1
110°-120°	163.3	0.5
120°-130°	62.0	0.2
130°-140°	42.7	0.1
140°-150°	34.8	0.1
150°-160°	25.3	0.1
160°-170°	14.9	0.0
170°-180°	5.0	0.0
0°-30°	16377.9	46.5
0°-40°	23309.2	66.2
0°-60°	32158.1	91.3
0°-90°	34027.8	96.6
90°-120°	1022.9	2.9
90°-150°	1162.3	3.3
90°-180°	1208.0	3.4
0°-180°	35235.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23915	
5°	23806	###
15°	22161	6190
25°	17430	7933
35°	10990	6931
45°	6805	5477
55°	3780	3372
65°	1259	1244
75°	321	371
85°	213	179
90°	304	169
95°	443	367
105°	384	400
115°	155	163
125°	65	62
135°	54	43
145°	56	35
155°	54	25
165°	52	15
175°	53	5
180°	56	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23914.7
2.5°	23857.7
5°	23805.7
7.5°	23605.9
10°	23285.0
12.5°	22821.2
15°	22161.3
17.5°	21262.8
20°	20179.1
22.5°	18927.1
25°	17430.5
27.5°	15778.8
30°	14098.1
32.5°	12482.8
35°	10989.8
37.5°	9724.5
40°	8632.3
42.5°	7678.1
45°	6805.1
47.5°	6707.0
50°	5834.0
52.5°	4830.2
55°	3780.3
57.5°	2679.7
60°	1961.6
62.5°	1637.1
65°	1259.3
67.5°	877.9
70°	587.3
72.5°	410.5
75°	320.9
77.5°	268.8
80°	227.6
82.5°	208.3
85°	213.1
87.5°	247.0
90°	303.9
92.5°	377.8
95°	443.2
97.5°	478.3
100°	472.2
102.5°	435.9
105°	383.8
107.5°	322.1
110°	259.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	202.2
115°	155.0
117.5°	119.9
120°	94.4
122.5°	76.3
125°	65.4
127.5°	58.1
130°	55.7
132.5°	54.5
135°	54.5
137.5°	55.7
140°	55.7
142.5°	55.7
145°	55.7
147.5°	54.5
150°	55.7
152.5°	54.5
155°	54.5
157.5°	54.5
160°	54.5
162.5°	53.3
165°	52.1
167.5°	52.1
170°	50.9
172.5°	52.1
175°	53.3
177.5°	55.7
180°	55.7

(END OF REPORT)