

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: P1505374

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (6500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505374
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_L24_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

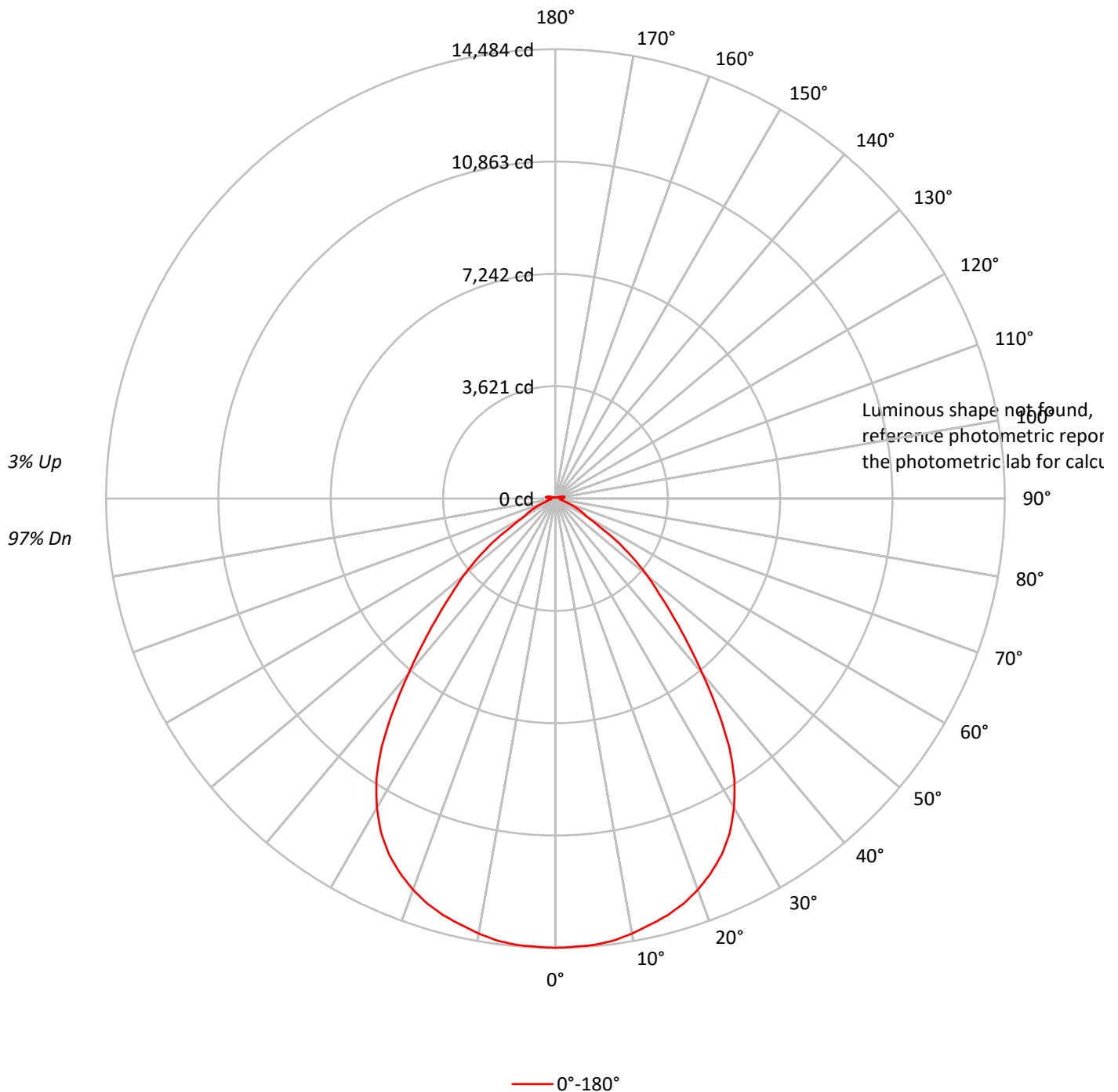
Lumens per Lamp: N/A
Luminaire Lumens: 25466.0 lumens
Efficiency: N/A
Efficacy: 159.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 159.8
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



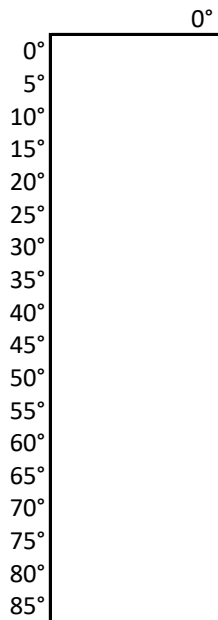
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	89	89	87
2	103	97	92	88	101	95	90	86	91	87	84	88	85	82	84	82	80	80	80	78
3	96	88	82	77	94	86	81	76	83	78	74	80	76	73	77	74	71	71	71	69
4	90	80	73	68	88	79	72	67	76	70	66	74	69	65	71	67	64	64	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	62	58	66	61	57	57	57	56
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	52	52	50
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	47	47	46
8	69	57	50	45	67	56	49	45	55	49	44	53	48	44	52	47	43	43	43	42
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	43	40	40	40	38
10	61	49	42	38	60	49	42	37	47	41	37	46	41	37	45	40	37	37	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°	1372.2	5.4
10°-20°	3922.8	15.4
20°-30°	5804.0	22.8
30°-40°	5995.8	23.5
40°-50°	4175.0	16.4
50°-60°	2182.8	8.6
60°-70°	788.4	3.1
70°-80°	270.1	1.1
80°-90°	163.0	0.6
90°-100°	285.9	1.1
100°-110°	259.8	1.0
110°-120°	113.1	0.4
120°-130°	44.8	0.2
130°-140°	31.2	0.1
140°-150°	25.4	0.1
150°-160°	18.2	0.1
160°-170°	10.2	0.0
170°-180°	3.3	0.0
0°-30°	11099.0	43.6
0°-40°	17094.8	67.1
0°-60°	23452.7	92.1
0°-90°	24674.1	96.9
90°-120°	658.8	2.6
90°-150°	760.3	3.0
90°-180°	792.0	3.1
0°-180°	25466.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14484	
5°	14446	###
15°	13911	3923
25°	12671	5804
35°	9765	5996
45°	5335	4175
55°	2468	2183
65°	804	788
75°	235	270
85°	136	117
90°	182	102
95°	275	229
105°	249	260
115°	108	113
125°	48	45
135°	40	31
145°	41	25
155°	39	18
165°	36	10
175°	35	3
180°	36	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14483.9
2.5°	14461.1
5°	14445.8
7.5°	14372.1
10°	14237.3
12.5°	14076.3
15°	13911.1
17.5°	13700.1
20°	13420.4
22.5°	13079.8
25°	12671.3
27.5°	12160.3
30°	11510.4
32.5°	10736.7
35°	9764.7
37.5°	8563.9
40°	7371.6
42.5°	6288.6
45°	5335.3
47.5°	4519.2
50°	3854.9
52.5°	3164.2
55°	2468.5
57.5°	1694.8
60°	1167.7
62.5°	997.4
65°	804.2
67.5°	598.3
70°	425.4
72.5°	306.8
75°	234.7
77.5°	191.5
80°	158.5
82.5°	139.0
85°	136.4
87.5°	151.7
90°	182.2
92.5°	229.6
95°	275.4
97.5°	301.7
100°	301.7
102.5°	280.5
105°	249.1
107.5°	212.7
110°	174.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	139.0
115°	108.5
117.5°	84.7
120°	66.9
122.5°	55.1
125°	47.5
127.5°	42.4
130°	40.7
132.5°	39.8
135°	39.8
137.5°	40.7
140°	41.5
142.5°	40.7
145°	40.7
147.5°	39.8
150°	39.8
152.5°	39.8
155°	39.0
157.5°	39.0
160°	38.1
162.5°	37.3
165°	35.6
167.5°	34.7
170°	33.9
172.5°	33.9
175°	34.7
177.5°	34.7
180°	35.6

(END OF REPORT)