

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: P1505066

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505066
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-88)
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-A-04-TRWH-PS (6500K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

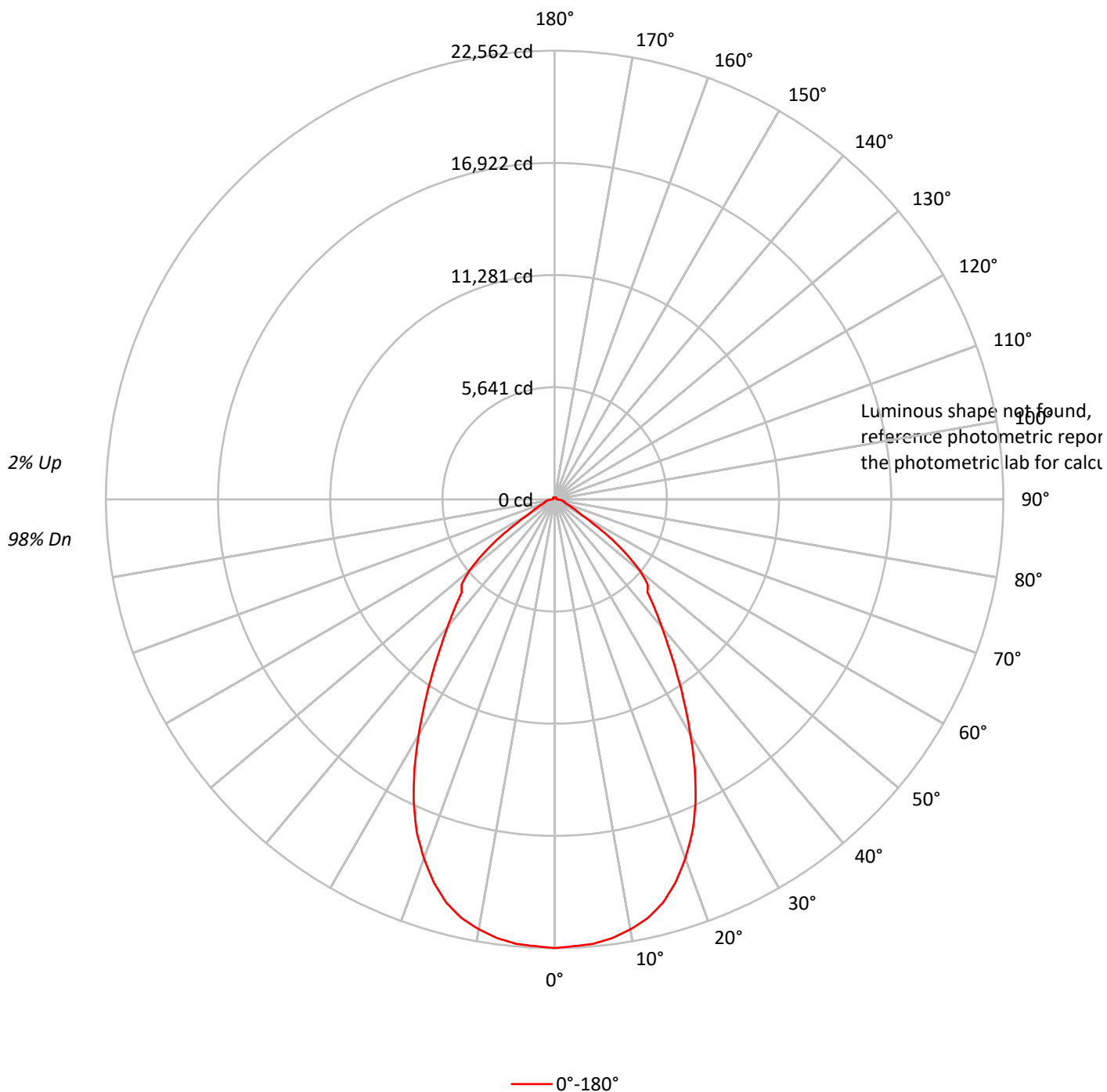
Lumens per Lamp: N/A
Luminaire Lumens: 33186.8 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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



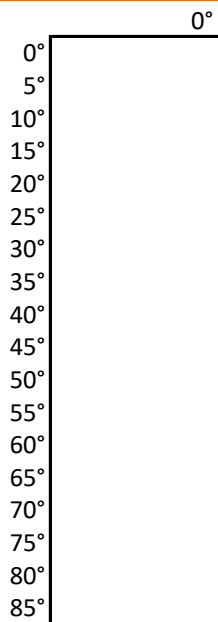
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	108	104	101	108	105	102	100	101	98	96	97	95	93	93	91	90	88		
2	104	97	92	88	101	96	91	87	92	88	85	89	85	82	85	83	80	78		
3	97	89	82	77	94	87	81	76	84	79	75	81	77	73	78	75	72	70		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	72	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	63	59	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52		
7	74	63	55	50	72	62	55	50	60	54	50	59	53	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	46	55	49	45	54	49	45	43		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	42	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2125.6	6.4
10°-20°	5868.0	17.7
20°-30°	7626.5	23.0
30°-40°	6737.2	20.3
40°-50°	5279.2	15.9
50°-60°	3129.8	9.4
60°-70°	996.3	3.0
70°-80°	530.6	1.6
80°-90°	291.4	0.9
90°-100°	110.6	0.3
100°-110°	107.8	0.3
110°-120°	99.6	0.3
120°-130°	86.9	0.3
130°-140°	72.7	0.2
140°-150°	60.2	0.2
150°-160°	40.1	0.1
160°-170°	19.1	0.1
170°-180°	5.2	0.0
0°-30°	15620.2	47.1
0°-40°	22357.4	67.4
0°-60°	30766.4	92.7
0°-90°	32584.6	98.2
90°-120°	318.0	1.0
90°-150°	537.7	1.6
90°-180°	602.0	1.8
0°-180°	33186.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22562	
5°	22428	###
15°	21012	5868
25°	16769	7627
35°	10718	6737
45°	6602	5279
55°	3526	3130
65°	970	996
75°	499	531
85°	272	252
90°	104	68
95°	101	83
105°	102	108
115°	101	100
125°	97	87
135°	94	73
145°	96	60
155°	86	40
165°	66	19
175°	53	5
180°	53	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	22561.5
2.5°	22486.5
5°	22427.9
7.5°	22247.5
10°	21953.4
12.5°	21569.1
15°	21012.5
17.5°	20197.1
20°	19212.9
22.5°	18104.5
25°	16768.8
27.5°	15256.2
30°	13655.7
32.5°	12145.4
35°	10718.3
37.5°	9437.7
40°	8371.5
42.5°	7457.6
45°	6602.3
47.5°	6352.7
50°	5614.6
52.5°	4610.5
55°	3525.5
57.5°	2390.2
60°	1563.0
62.5°	1247.8
65°	970.1
67.5°	740.5
70°	599.9
72.5°	535.4
75°	499.1
77.5°	466.3
80°	415.9
82.5°	351.5
85°	271.8
87.5°	186.3
90°	104.3
92.5°	99.6
95°	100.8
97.5°	101.9
100°	101.9
102.5°	101.9
105°	101.9
107.5°	101.9
110°	101.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	100.8
115°	100.8
117.5°	99.6
120°	98.4
122.5°	97.2
125°	97.2
127.5°	96.1
130°	94.9
132.5°	93.7
135°	93.7
137.5°	93.7
140°	93.7
142.5°	94.9
145°	96.1
147.5°	97.2
150°	97.2
152.5°	91.4
155°	85.5
157.5°	80.8
160°	76.2
162.5°	70.3
165°	65.6
167.5°	62.1
170°	58.6
172.5°	55.1
175°	52.7
177.5°	51.6
180°	52.7

(END OF REPORT)