

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: P1505399

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505399
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-100)
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-TRWH-PS (3500K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

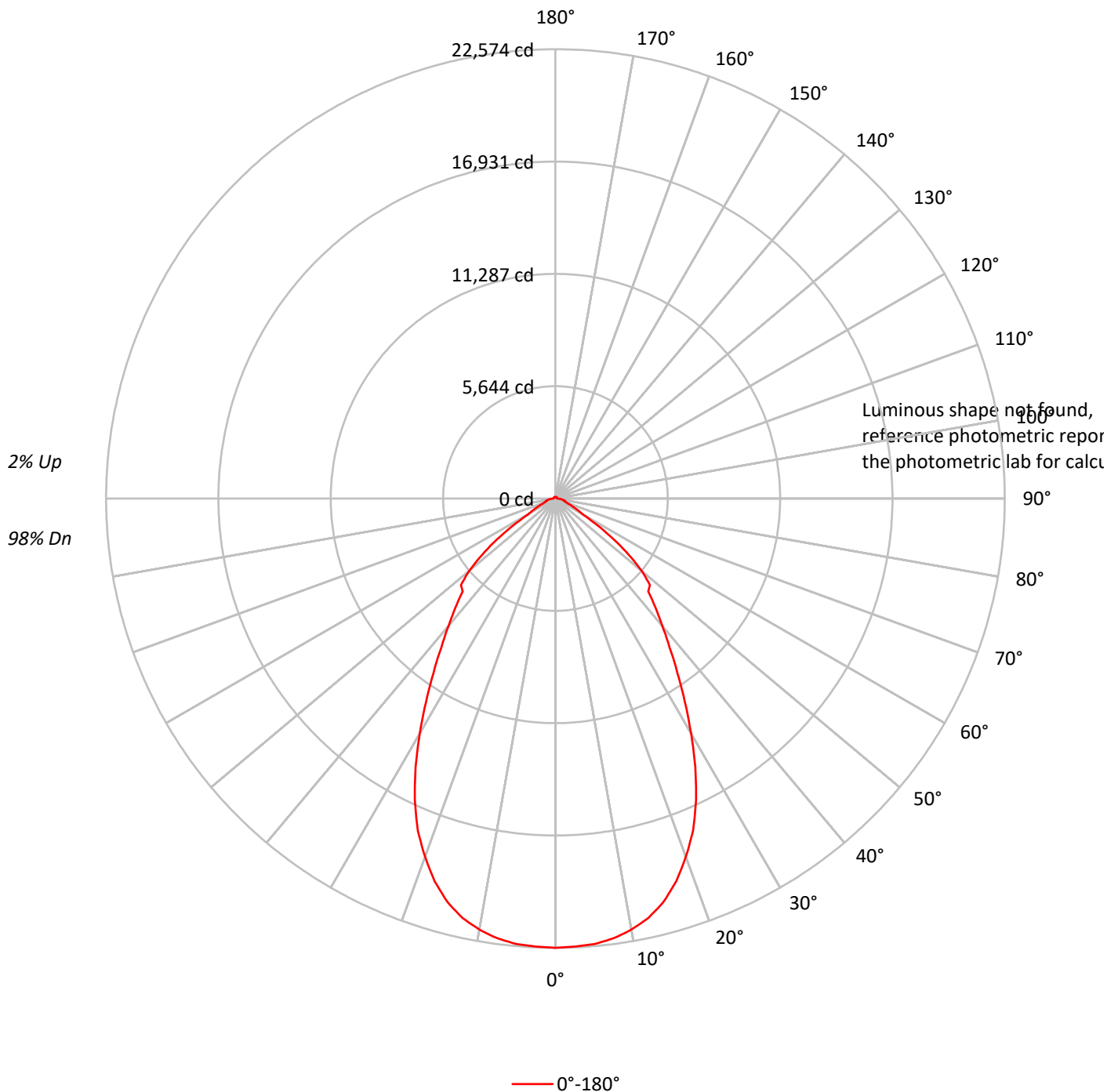
Lumens per Lamp: N/A
Luminaire Lumens: 33068.7 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 235.4
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





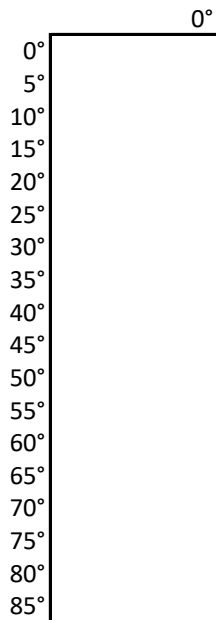
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	101	101	101	98		
1	111	108	105	102	109	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	98	92	88	101	96	91	87	92	88	85	89	85	83	86	83	81	79		
3	97	89	82	77	95	87	81	77	84	79	75	81	77	74	79	75	72	70		
4	90	81	74	69	88	80	73	68	77	71	67	75	70	66	73	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	64	60	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	57	54	52		
7	74	63	56	50	73	62	55	50	60	54	50	59	53	49	58	53	49	47		
8	70	58	51	46	68	58	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	44	39	49	43	39	48	43	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505399

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3500K_L36_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2129.4	6.4
10°-20°	5862.2	17.7
20°-30°	7603.2	23.0
30°-40°	6715.1	20.3
40°-50°	5288.5	16.0
50°-60°	3178.6	9.6
60°-70°	997.0	3.0
70°-80°	507.5	1.5
80°-90°	252.8	0.8
90°-100°	91.5	0.3
100°-110°	92.5	0.3
110°-120°	87.2	0.3
120°-130°	77.6	0.2
130°-140°	66.1	0.2
140°-150°	54.7	0.2
150°-160°	38.2	0.1
160°-170°	20.4	0.1
170°-180°	6.2	0.0
0°-30°	15594.8	47.2
0°-40°	22310.0	67.5
0°-60°	30777.0	93.1
0°-90°	32534.3	98.4
90°-120°	271.2	0.8
90°-150°	469.6	1.4
90°-180°	534.0	1.6
0°-180°	33068.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22574	
5°	22468	###
15°	20982	5862
25°	16710	7603
35°	10676	6715
45°	6589	5289
55°	3600	3179
65°	973	997
75°	478	507
85°	232	220
90°	82	55
95°	84	69
105°	87	93
115°	88	87
125°	86	78
135°	85	66
145°	87	55
155°	81	38
165°	71	20
175°	65	6
180°	65	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	22573.5
2.5°	22528.2
5°	22467.7
7.5°	22288.7
10°	21993.4
12.5°	21579.6
15°	20982.1
17.5°	20162.6
20°	19155.9
22.5°	18057.4
25°	16710.1
27.5°	15208.3
30°	13614.5
32.5°	12099.9
35°	10675.9
37.5°	9415.8
40°	8346.4
42.5°	7426.9
45°	6588.7
47.5°	6433.0
50°	5650.6
52.5°	4649.8
55°	3600.1
57.5°	2466.7
60°	1579.8
62.5°	1253.1
65°	973.0
67.5°	733.5
70°	588.2
72.5°	519.6
75°	477.8
77.5°	439.4
80°	381.3
82.5°	310.4
85°	232.5
87.5°	153.4
90°	82.5
92.5°	82.5
95°	83.7
97.5°	84.9
100°	86.0
102.5°	87.2
105°	87.2
107.5°	88.3
110°	88.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	88.3
115°	88.3
117.5°	87.2
120°	87.2
122.5°	87.2
125°	86.0
127.5°	86.0
130°	86.0
132.5°	86.0
135°	84.9
137.5°	84.9
140°	84.9
142.5°	86.0
145°	87.2
147.5°	88.3
150°	89.5
152.5°	84.9
155°	81.4
157.5°	79.0
160°	76.7
162.5°	74.4
165°	70.9
167.5°	68.6
170°	66.3
172.5°	63.9
175°	65.1
177.5°	65.1
180°	65.1

(END OF REPORT)