

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: P1505418

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (5000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505418
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-102)
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 (5000K_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

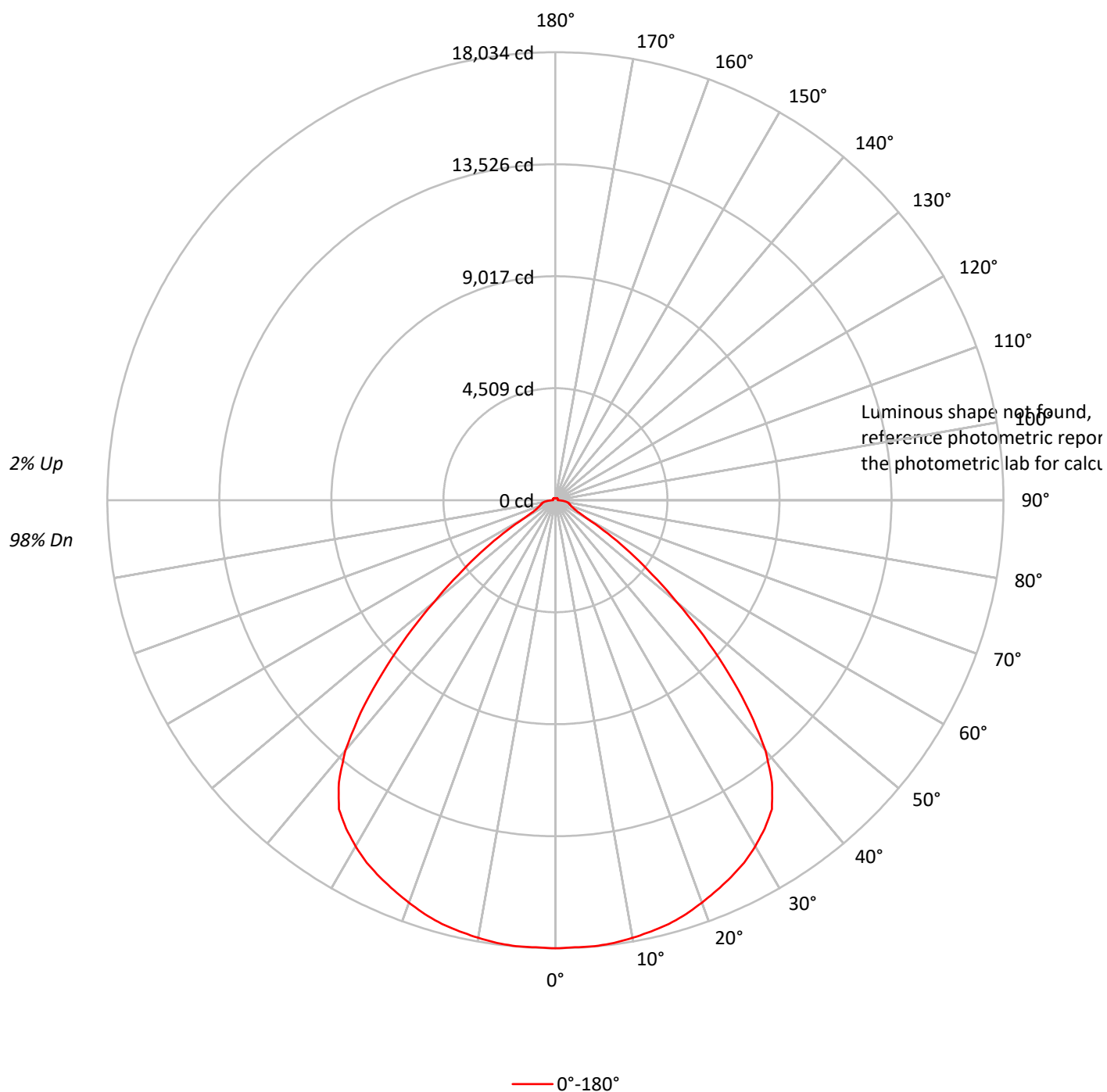
Lumens per Lamp: N/A
Luminaire Lumens: 37145.4 lumens
Efficiency: N/A
Efficacy: 159.2 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

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





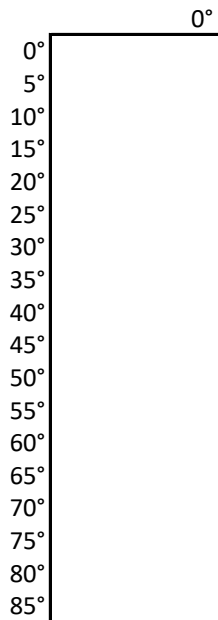
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	93	93	91	90	88		
2	103	97	91	87	101	95	90	86	91	87	84	88	84	81	85	82	79	77		
3	96	87	81	76	93	86	80	75	83	78	73	80	76	72	77	74	71	69		
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	66	63	61		
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	56	54		
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	60	55	51	49		
7	72	60	53	47	70	59	52	47	58	51	47	56	50	46	55	50	46	44		
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	42	40		
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38	36		
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1715.8	4.6
10°-20°	4984.8	13.4
20°-30°	7718.5	20.8
30°-40°	9355.5	25.2
40°-50°	7541.9	20.3
50°-60°	3322.9	8.9
60°-70°	905.9	2.4
70°-80°	621.6	1.7
80°-90°	341.7	0.9
90°-100°	110.7	0.3
100°-110°	111.1	0.3
110°-120°	104.4	0.3
120°-130°	93.5	0.3
130°-140°	79.5	0.2
140°-150°	64.5	0.2
150°-160°	44.0	0.1
160°-170°	22.5	0.1
170°-180°	6.6	0.0
0°-30°	14419.1	38.8
0°-40°	23774.6	64.0
0°-60°	34639.4	93.3
0°-90°	36508.6	98.3
90°-120°	326.1	0.9
90°-150°	563.7	1.5
90°-180°	637.0	1.7
0°-180°	37145.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18034	
5°	18020	###
15°	17660	4985
25°	16733	7719
35°	15187	9355
45°	9866	7542
55°	3667	3323
65°	851	906
75°	592	622
85°	325	299
90°	100	70
95°	101	83
105°	105	111
115°	105	104
125°	104	94
135°	102	80
145°	102	64
155°	94	44
165°	78	23
175°	68	7
180°	68	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18034.5
2.5°	18012.5
5°	18019.8
7.5°	17979.6
10°	17886.8
12.5°	17779.4
15°	17659.8
17.5°	17468.1
20°	17238.7
22.5°	16990.9
25°	16733.3
27.5°	16446.5
30°	16087.6
32.5°	15671.4
35°	15186.8
37.5°	14316.5
40°	13146.0
42.5°	11595.8
45°	9866.2
47.5°	8100.0
50°	6385.0
52.5°	4909.3
55°	3666.7
57.5°	2496.1
60°	1474.5
62.5°	1009.4
65°	850.8
67.5°	738.5
70°	665.2
72.5°	627.4
75°	592.0
77.5°	552.9
80°	495.6
82.5°	422.3
85°	324.7
87.5°	209.9
90°	100.1
92.5°	100.1
95°	101.3
97.5°	102.5
100°	103.8
102.5°	105.0
105°	105.0
107.5°	105.0
110°	106.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	105.0
115°	105.0
117.5°	105.0
120°	105.0
122.5°	105.0
125°	103.8
127.5°	103.8
130°	103.8
132.5°	102.5
135°	102.5
137.5°	102.5
140°	102.5
142.5°	102.5
145°	102.5
147.5°	102.5
150°	103.8
152.5°	98.9
155°	94.0
157.5°	90.3
160°	86.7
162.5°	83.0
165°	78.1
167.5°	74.5
170°	70.8
172.5°	68.4
175°	68.4
177.5°	68.4
180°	68.4

(END OF REPORT)