

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: P1505047

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (4000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505047
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-89)
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 (4000K_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

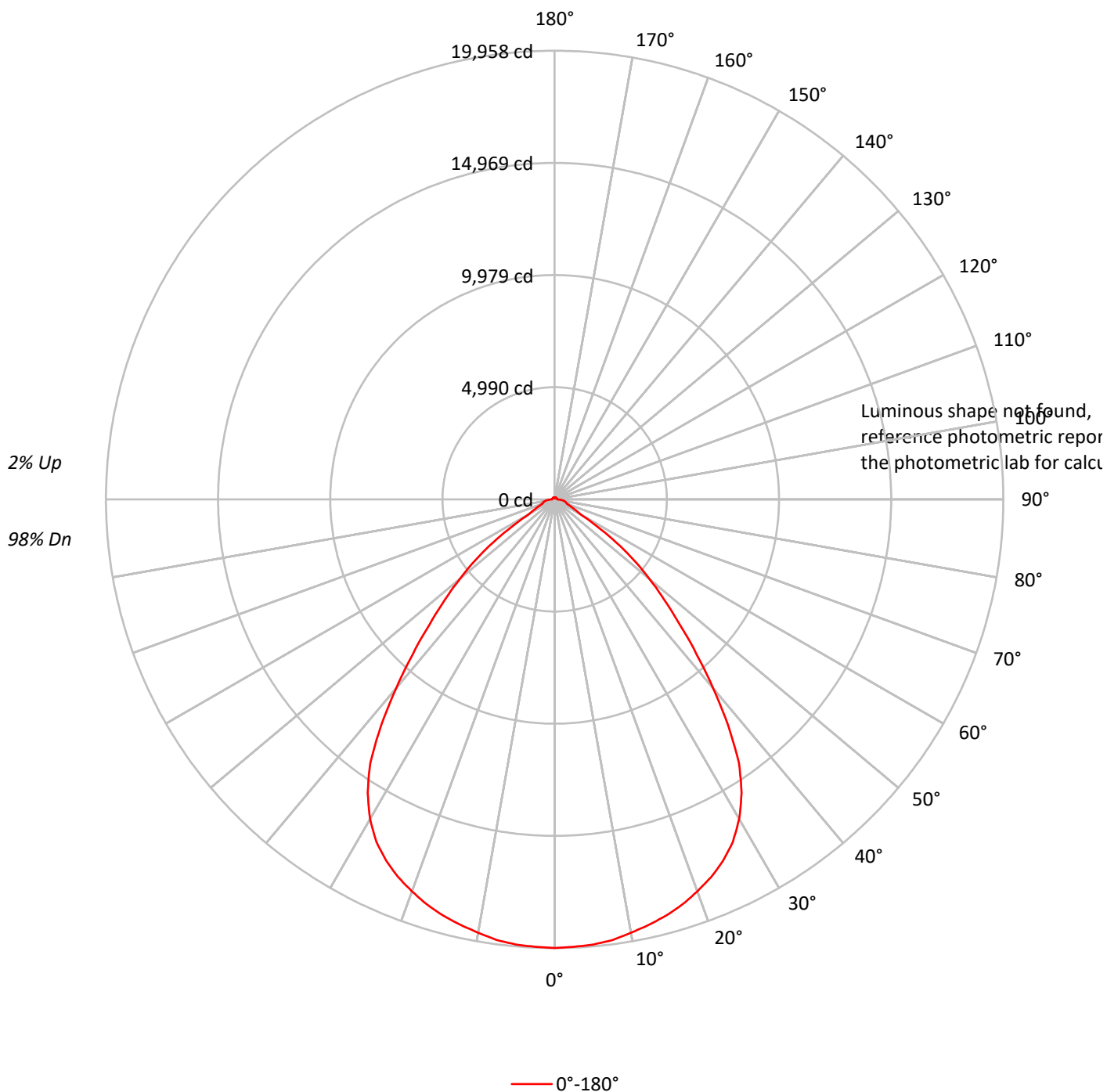
Lumens per Lamp: N/A
Luminaire Lumens: 35698.6 lumens
Efficiency: N/A
Efficacy: 153.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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	50	30	10	50	30	10		
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	95	91	87	92	88	84	88	85	82	85	83	80						78		
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	78	75	72						70		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64						62		
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58						56		
6	78	67	60	54	77	66	59	54	64	58	54	63	57	53	61	56	52						51		
7	73	62	54	49	72	61	54	49	59	53	48	58	52	48	57	52	48						46		
8	69	57	50	45	67	56	49	44	55	49	44	54	48	44	52	47	44						42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	44	40						38		
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	40	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°	1887.8	5.3
10°-20°	5407.4	15.1
20°-30°	8137.9	22.8
30°-40°	8747.6	24.5
40°-50°	6153.2	17.2
50°-60°	2985.2	8.4
60°-70°	891.7	2.5
70°-80°	550.1	1.5
80°-90°	316.7	0.9
90°-100°	114.7	0.3
100°-110°	111.4	0.3
110°-120°	102.9	0.3
120°-130°	89.8	0.3
130°-140°	75.4	0.2
140°-150°	62.0	0.2
150°-160°	40.7	0.1
160°-170°	18.9	0.1
170°-180°	5.1	0.0
0°-30°	15433.1	43.2
0°-40°	24180.7	67.7
0°-60°	33319.2	93.3
0°-90°	35077.7	98.3
90°-120°	329.0	0.9
90°-150°	556.2	1.6
90°-180°	621.0	1.7
0°-180°	35698.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19958	
5°	19875	###
15°	19167	5407
25°	17733	8138
35°	14292	8748
45°	7876	6153
55°	3354	2985
65°	873	892
75°	520	550
85°	300	273
90°	109	73
95°	104	86
105°	105	111
115°	104	103
125°	100	90
135°	97	75
145°	99	62
155°	86	41
165°	65	19
175°	51	5
180°	50	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19957.5
2.5°	19921.2
5°	19875.2
7.5°	19766.2
10°	19571.3
12.5°	19382.4
15°	19166.8
17.5°	18894.4
20°	18555.4
22.5°	18184.8
25°	17733.2
27.5°	17168.9
30°	16414.5
32.5°	15477.3
35°	14291.9
37.5°	12671.7
40°	10962.0
42.5°	9350.3
45°	7875.5
47.5°	6619.8
50°	5505.8
52.5°	4459.6
55°	3354.1
57.5°	2245.0
60°	1323.5
62.5°	1070.4
65°	873.0
67.5°	707.1
70°	599.4
72.5°	552.2
75°	519.5
77.5°	490.4
80°	440.8
82.5°	377.8
85°	300.3
87.5°	209.5
90°	109.0
92.5°	104.1
95°	104.1
97.5°	105.3
100°	105.3
102.5°	105.3
105°	105.3
107.5°	105.3
110°	105.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	104.1
115°	104.1
117.5°	102.9
120°	101.7
122.5°	100.5
125°	100.5
127.5°	99.3
130°	98.1
132.5°	98.1
135°	96.9
137.5°	96.9
140°	96.9
142.5°	98.1
145°	99.3
147.5°	99.3
150°	99.3
152.5°	93.2
155°	86.0
157.5°	82.3
160°	76.3
162.5°	70.2
165°	65.4
167.5°	60.5
170°	56.9
172.5°	53.3
175°	50.9
177.5°	49.6
180°	49.6

(END OF REPORT)