

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: P1505425

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (6500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505425
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-101)
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 (6500K_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

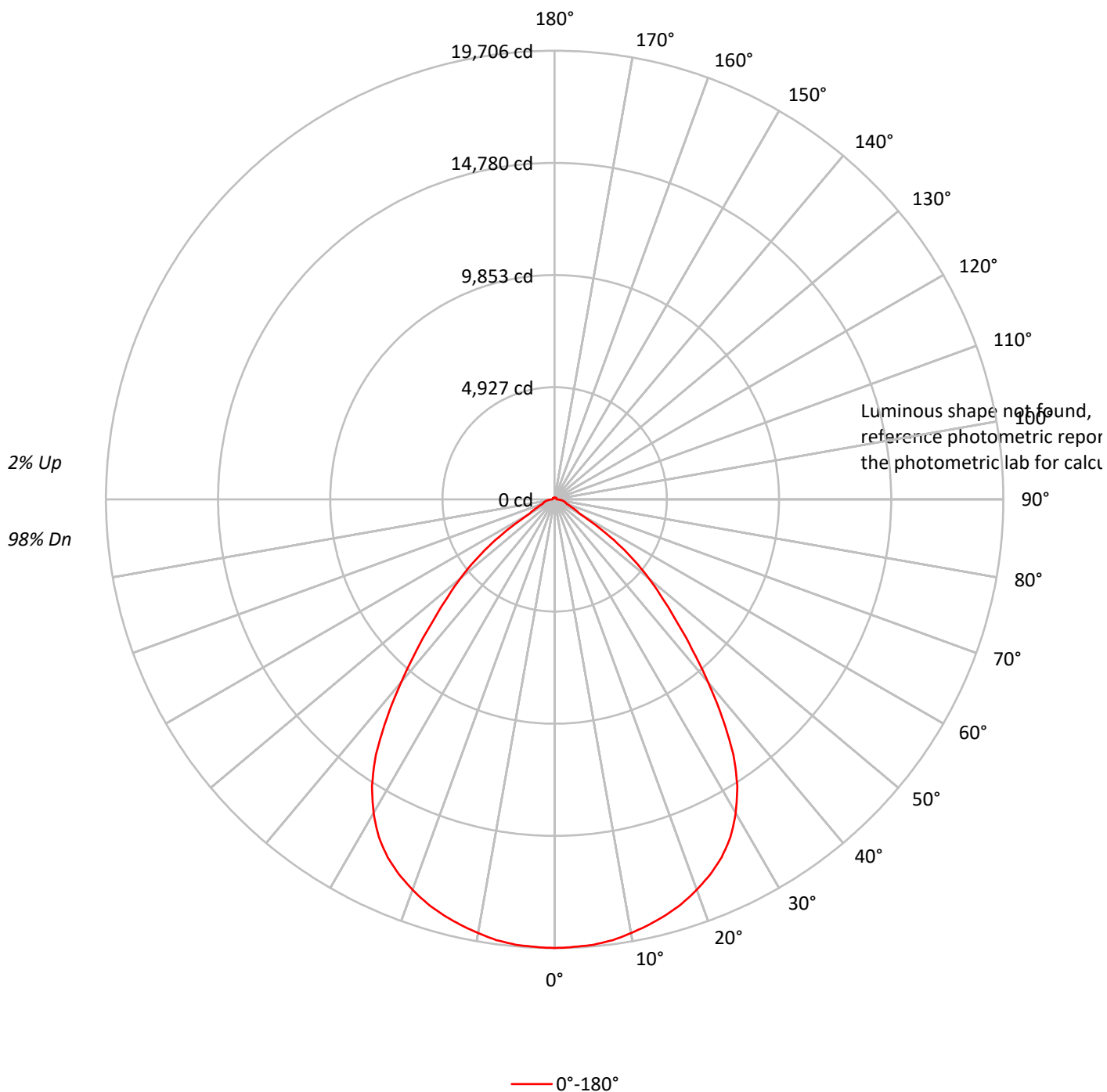
Lumens per Lamp: N/A
Luminaire Lumens: 34618.0 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

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	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101						98		
1	111	108	104	102	109	105	102	100	101	99	96	97	95	93	93	92	90						88		
2	104	97	92	88	101	96	91	87	92	88	85	89	85	83	86	83	81						79		
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72						70		
4	90	81	73	68	88	79	73	68	77	71	67	74	69	66	72	68	65						63		
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	62	58						56		
6	79	67	60	55	77	66	59	54	65	58	54	63	57	53	61	57	53						51		
7	73	62	55	49	72	61	54	49	60	53	49	58	53	48	57	52	48						46		
8	69	57	50	45	67	57	50	45	55	49	44	54	48	44	53	48	44						42		
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40						39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	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°	1865.0	5.4
10°-20°	5330.9	15.4
20°-30°	7951.9	23.0
30°-40°	8401.1	24.3
40°-50°	5924.5	17.1
50°-60°	2974.1	8.6
60°-70°	871.8	2.5
70°-80°	504.0	1.5
80°-90°	263.1	0.8
90°-100°	91.1	0.3
100°-110°	91.7	0.3
110°-120°	86.8	0.3
120°-130°	77.1	0.2
130°-140°	66.2	0.2
140°-150°	54.7	0.2
150°-160°	38.1	0.1
160°-170°	19.9	0.1
170°-180°	6.0	0.0
0°-30°	15147.8	43.8
0°-40°	23548.8	68.0
0°-60°	32447.4	93.7
0°-90°	34086.3	98.5
90°-120°	269.6	0.8
90°-150°	467.7	1.4
90°-180°	532.0	1.5
0°-180°	34618.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19706	
5°	19634	###
15°	18902	5331
25°	17344	7952
35°	13692	8401
45°	7574	5924
55°	3371	2974
65°	852	872
75°	478	504
85°	246	229
90°	83	57
95°	83	68
105°	87	92
115°	88	87
125°	86	77
135°	86	66
145°	87	55
155°	81	38
165°	69	20
175°	62	6
180°	63	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19706.1
2.5°	19674.5
5°	19633.5
7.5°	19526.9
10°	19342.9
12.5°	19134.4
15°	18902.4
17.5°	18611.8
20°	18247.4
22.5°	17840.8
25°	17344.1
27.5°	16725.4
30°	15906.4
32.5°	14932.8
35°	13692.0
37.5°	12102.1
40°	10485.2
42.5°	8940.9
45°	7573.6
47.5°	6414.8
50°	5409.5
52.5°	4407.8
55°	3370.9
57.5°	2273.0
60°	1325.1
62.5°	1056.8
65°	851.8
67.5°	679.6
70°	563.6
72.5°	514.4
75°	478.0
77.5°	440.5
80°	386.6
82.5°	319.9
85°	246.0
87.5°	165.2
90°	83.2
92.5°	82.0
95°	83.2
97.5°	84.4
100°	85.5
102.5°	86.7
105°	86.7
107.5°	86.7
110°	87.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	87.9
115°	87.9
117.5°	86.7
120°	86.7
122.5°	86.7
125°	85.5
127.5°	85.5
130°	85.5
132.5°	85.5
135°	85.5
137.5°	85.5
140°	85.5
142.5°	86.7
145°	86.7
147.5°	87.9
150°	89.0
152.5°	85.5
155°	80.8
157.5°	78.5
160°	76.2
162.5°	72.6
165°	69.1
167.5°	66.8
170°	64.4
172.5°	62.1
175°	62.1
177.5°	63.3
180°	63.3

(END OF REPORT)