

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: P1505029

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505029
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 (3000K_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

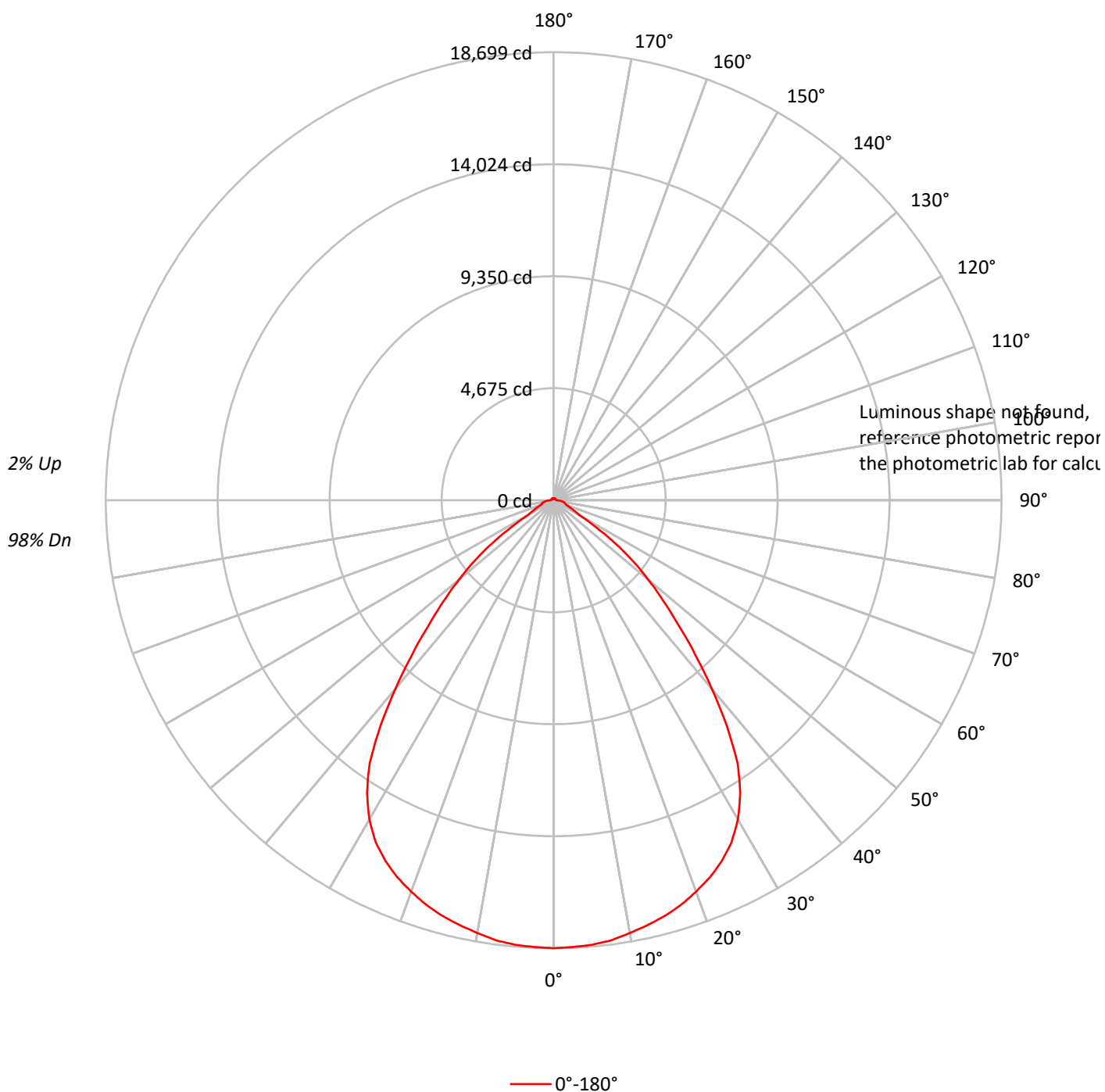
Lumens per Lamp: N/A
Luminaire Lumens: 33447.5 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 237.6
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





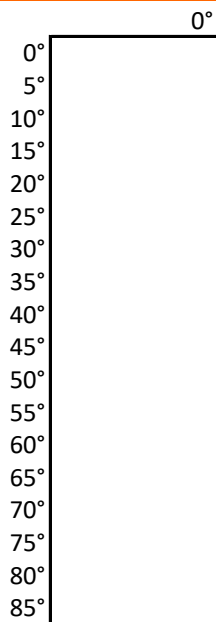
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	1768.7	5.3
10°-20°	5066.4	15.1
20°-30°	7624.7	22.8
30°-40°	8196.0	24.5
40°-50°	5765.2	17.2
50°-60°	2797.0	8.4
60°-70°	835.5	2.5
70°-80°	515.4	1.5
80°-90°	296.7	0.9
90°-100°	107.6	0.3
100°-110°	104.4	0.3
110°-120°	96.5	0.3
120°-130°	84.1	0.3
130°-140°	70.7	0.2
140°-150°	58.1	0.2
150°-160°	38.2	0.1
160°-170°	17.7	0.1
170°-180°	4.7	0.0
0°-30°	14459.8	43.2
0°-40°	22655.8	67.7
0°-60°	31218.0	93.3
0°-90°	32865.7	98.3
90°-120°	308.4	0.9
90°-150°	521.3	1.6
90°-180°	582.0	1.7
0°-180°	33447.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18699	
5°	18622	###
15°	17958	5066
25°	16615	7625
35°	13391	8196
45°	7379	5765
55°	3143	2797
65°	818	836
75°	487	515
85°	281	256
90°	102	68
95°	98	80
105°	99	104
115°	98	96
125°	94	84
135°	91	71
145°	93	58
155°	81	38
165°	61	18
175°	48	5
180°	46	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18699.0
2.5°	18664.9
5°	18621.8
7.5°	18519.7
10°	18337.1
12.5°	18160.1
15°	17958.1
17.5°	17702.9
20°	17385.2
22.5°	17038.1
25°	16614.9
27.5°	16086.2
30°	15379.4
32.5°	14501.3
35°	13390.6
37.5°	11872.6
40°	10270.7
42.5°	8760.7
45°	7378.8
47.5°	6202.4
50°	5158.6
52.5°	4178.4
55°	3142.6
57.5°	2103.4
60°	1240.0
62.5°	1002.9
65°	818.0
67.5°	662.6
70°	561.6
72.5°	517.3
75°	486.7
77.5°	459.5
80°	413.0
82.5°	354.0
85°	281.4
87.5°	196.3
90°	102.1
92.5°	97.6
95°	97.6
97.5°	98.7
100°	98.7
102.5°	98.7
105°	98.7
107.5°	98.7
110°	98.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	97.6
115°	97.6
117.5°	96.4
120°	95.3
122.5°	94.2
125°	94.2
127.5°	93.0
130°	91.9
132.5°	91.9
135°	90.8
137.5°	90.8
140°	90.8
142.5°	91.9
145°	93.0
147.5°	93.0
150°	93.0
152.5°	87.4
155°	80.6
157.5°	77.1
160°	71.5
162.5°	65.8
165°	61.3
167.5°	56.7
170°	53.3
172.5°	49.9
175°	47.6
177.5°	46.5
180°	46.5

(END OF REPORT)