

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: P1505597

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (5000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505597
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-124)
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-06-TRWH-PS (5000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

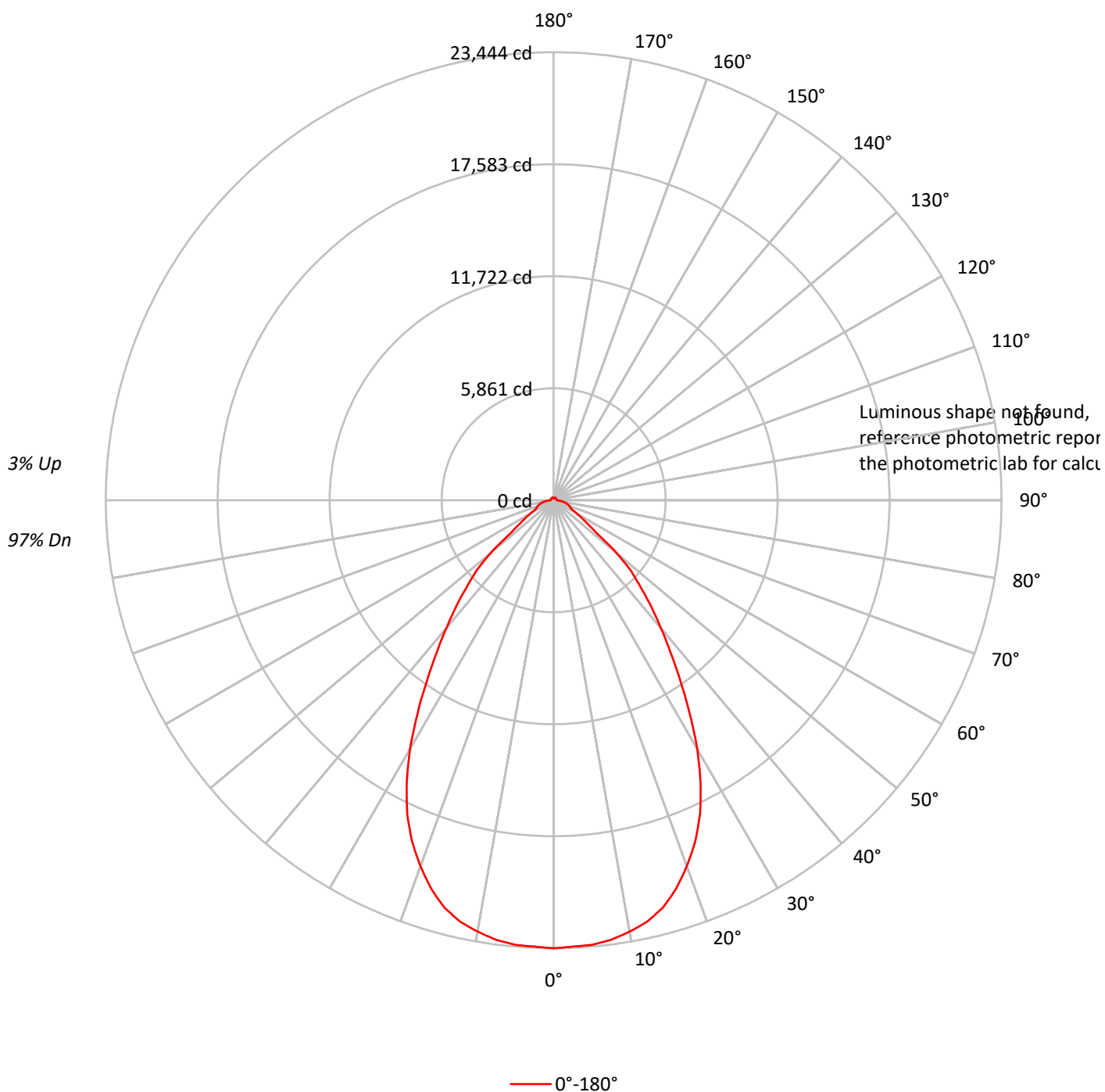
Lumens per Lamp: N/A
Luminaire Lumens: 34161.0 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.02
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

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





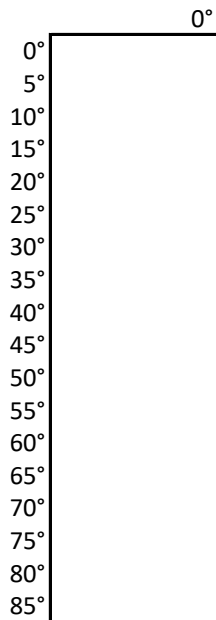
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	118	118	118	118	115	115	115	115	110	110	110	104	104	104	100	100	100	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89	87		
2	104	97	92	88	101	95	91	87	92	88	84	88	85	82	85	82	80	78		
3	97	89	82	77	94	87	81	77	84	79	75	81	77	73	78	75	72	70		
4	91	81	74	69	88	80	73	68	77	72	67	75	70	66	72	68	65	63		
5	85	74	67	62	83	73	67	62	71	65	61	69	64	60	67	63	59	57		
6	79	69	61	56	78	68	61	56	66	60	55	64	59	55	62	58	54	52		
7	75	64	56	51	73	63	56	51	61	55	51	59	54	50	58	53	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	55	50	46	54	49	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	46	43	51	46	42	41		
10	63	51	45	40	61	51	44	40	50	44	40	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2214.9	6.5
10°-20°	6173.4	18.1
20°-30°	8240.5	24.1
30°-40°	7270.5	21.3
40°-50°	4995.4	14.6
50°-60°	2151.7	6.3
60°-70°	1039.0	3.0
70°-80°	761.7	2.2
80°-90°	370.4	1.1
90°-100°	167.6	0.5
100°-110°	167.4	0.5
110°-120°	157.5	0.5
120°-130°	139.1	0.4
130°-140°	116.1	0.3
140°-150°	91.6	0.3
150°-160°	62.7	0.2
160°-170°	32.1	0.1
170°-180°	9.3	0.0
0°-30°	16628.9	48.7
0°-40°	23899.4	70.0
0°-60°	31046.4	90.9
0°-90°	33217.4	97.2
90°-120°	492.5	1.4
90°-150°	839.3	2.5
90°-180°	944.0	2.8
0°-180°	34161.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23444	
5°	23349	###
15°	22075	6173
25°	18125	8241
35°	11585	7270
45°	6429	4995
55°	2190	2152
65°	992	1039
75°	730	762
85°	337	316
90°	158	96
95°	153	125
105°	159	167
115°	159	158
125°	155	139
135°	149	116
145°	145	92
155°	136	63
165°	111	32
175°	96	9
180°	96	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23444.2
2.5°	23380.8
5°	23349.0
7.5°	23191.6
10°	22920.6
12.5°	22586.1
15°	22074.7
17.5°	21316.7
20°	20384.2
22.5°	19350.3
25°	18124.8
27.5°	16654.0
30°	15039.1
32.5°	13265.6
35°	11584.8
37.5°	10054.2
40°	8731.0
42.5°	7566.6
45°	6428.9
47.5°	5504.9
50°	4338.0
52.5°	2845.2
55°	2189.8
57.5°	1783.3
60°	1412.2
62.5°	1140.0
65°	992.4
67.5°	924.0
70°	874.0
72.5°	811.7
75°	729.9
77.5°	637.2
80°	538.3
82.5°	437.0
85°	336.9
87.5°	238.0
90°	157.5
92.5°	150.1
95°	152.6
97.5°	155.0
100°	156.2
102.5°	157.5
105°	158.7
107.5°	158.7
110°	159.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	158.7
115°	158.7
117.5°	158.7
120°	157.5
122.5°	156.2
125°	155.0
127.5°	153.8
130°	152.6
132.5°	151.4
135°	148.9
137.5°	148.9
140°	147.7
142.5°	146.5
145°	145.3
147.5°	145.3
150°	144.0
152.5°	140.4
155°	135.5
157.5°	129.4
160°	124.5
162.5°	118.4
165°	111.1
167.5°	106.2
170°	101.3
172.5°	97.6
175°	96.4
177.5°	96.4
180°	96.4

(END OF REPORT)