

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: P1505571

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (3000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505571
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-126)
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 (3000K_L36_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

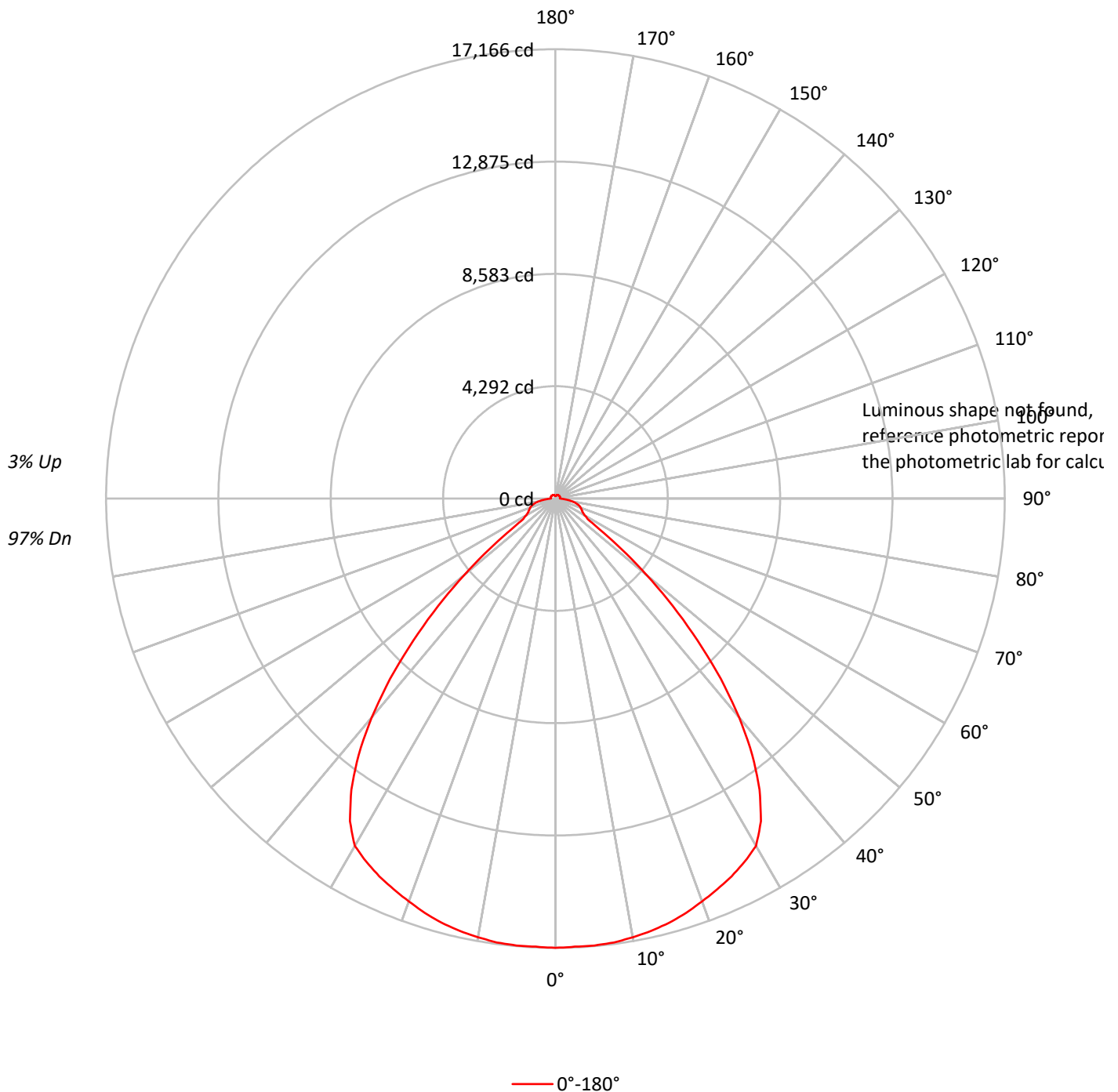
Lumens per Lamp: N/A
Luminaire Lumens: 33673.6 lumens
Efficiency: N/A
Efficacy: 141.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	110	107	103	100	107	104	101	98	99	97	95	95	93	91	91	89	88	86		
2	103	96	91	86	100	94	89	85	90	86	82	86	83	80	83	80	78	76		
3	95	87	80	75	93	85	79	74	82	77	73	79	75	71	76	72	69	67		
4	89	79	72	66	86	77	71	66	75	69	64	72	67	63	70	66	62	60		
5	83	72	64	59	81	71	64	58	68	62	58	66	61	57	64	60	56	54		
6	77	66	58	53	75	65	58	52	63	57	52	61	55	51	59	54	51	49		
7	72	61	53	48	70	60	52	47	58	52	47	56	51	46	55	50	46	44		
8	68	56	48	43	66	55	48	43	54	47	43	52	46	42	51	46	42	40		
9	64	52	44	39	62	51	44	39	50	43	39	48	43	39	47	42	38	37		
10	60	48	41	36	58	47	41	36	46	40	36	45	39	36	44	39	35	34		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1632.5	4.8
10°-20°	4738.5	14.1
20°-30°	7343.3	21.8
30°-40°	8375.7	24.9
40°-50°	5900.6	17.5
50°-60°	2125.7	6.3
60°-70°	1127.4	3.3
70°-80°	921.1	2.7
80°-90°	442.9	1.3
90°-100°	191.2	0.6
100°-110°	190.7	0.6
110°-120°	179.6	0.5
120°-130°	158.5	0.5
130°-140°	131.5	0.4
140°-150°	102.2	0.3
150°-160°	68.5	0.2
160°-170°	34.1	0.1
170°-180°	9.6	0.0
0°-30°	13714.4	40.7
0°-40°	22090.0	65.6
0°-60°	30116.3	89.4
0°-90°	32607.7	96.8
90°-120°	561.5	1.7
90°-150°	953.7	2.8
90°-180°	1066.0	3.2
0°-180°	33673.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17166	
5°	17141	###
15°	16782	4739
25°	15925	7343
35°	13587	8376
45°	7674	5901
55°	2027	2126
65°	1123	1127
75°	887	921
85°	399	381
90°	178	110
95°	175	143
105°	180	191
115°	182	180
125°	177	158
135°	170	132
145°	162	102
155°	148	68
165°	118	34
175°	99	10
180°	99	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17166.3
2.5°	17137.9
5°	17141.3
7.5°	17107.3
10°	17018.8
12.5°	16917.8
15°	16781.7
17.5°	16597.9
20°	16377.8
22.5°	16156.5
25°	15925.1
27.5°	15648.3
30°	15324.9
32.5°	14611.3
35°	13586.9
37.5°	12355.9
40°	10921.9
42.5°	9351.8
45°	7673.8
47.5°	6073.0
50°	4538.0
52.5°	3195.9
55°	2027.4
57.5°	1463.5
60°	1299.0
62.5°	1186.7
65°	1123.2
67.5°	1075.5
70°	1029.0
72.5°	968.9
75°	887.2
77.5°	786.2
80°	662.6
82.5°	529.8
85°	399.3
87.5°	276.8
90°	178.1
92.5°	171.3
95°	174.7
97.5°	177.0
100°	178.1
102.5°	179.3
105°	180.4
107.5°	181.5
110°	181.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	181.5
115°	181.5
117.5°	180.4
120°	179.3
122.5°	178.1
125°	177.0
127.5°	174.7
130°	173.6
132.5°	171.3
135°	170.2
137.5°	167.9
140°	165.6
142.5°	164.5
145°	162.2
147.5°	161.1
150°	158.8
152.5°	154.3
155°	147.5
157.5°	140.7
160°	133.9
162.5°	127.1
165°	118.0
167.5°	111.2
170°	104.4
172.5°	99.8
175°	98.7
177.5°	98.7
180°	98.7

(END OF REPORT)