

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: P1505245

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (6500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505245
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-113)
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-06-TRWH-PS (6500K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

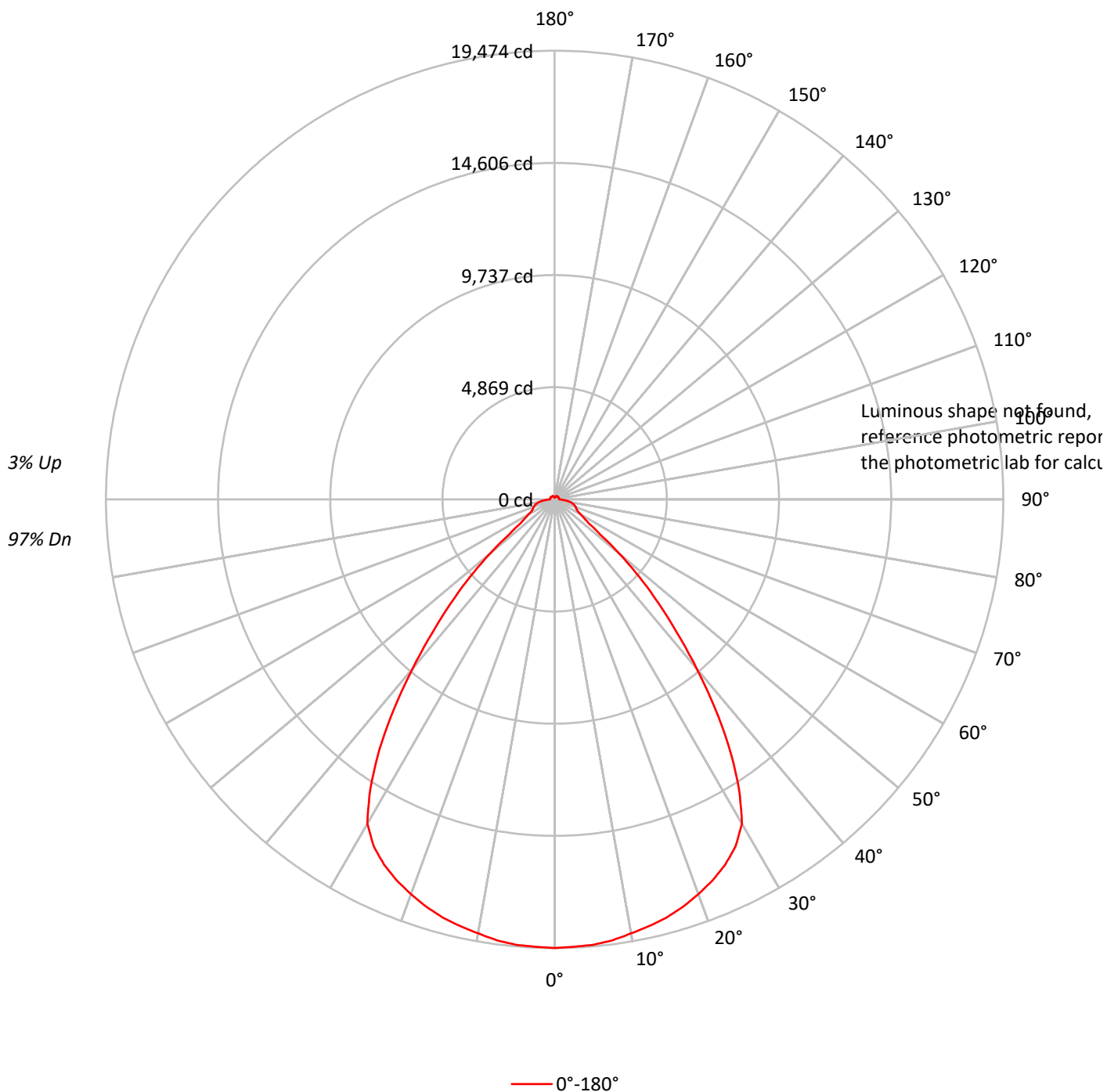
Lumens per Lamp: N/A
Luminaire Lumens: 33695.6 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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	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	108	104	101	98	99	97	95	95	93	91	91	90	88	86		
2	103	97	91	87	100	94	90	86	91	87	83	87	84	81	84	81	79	77		
3	96	88	81	76	94	86	80	75	83	78	74	80	76	72	77	73	70	68		
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	62		
5	84	73	66	61	82	72	65	60	70	64	59	68	62	58	66	61	57	56		
6	78	67	60	55	76	66	59	54	64	58	54	62	57	53	61	56	52	50		
7	74	62	55	50	72	61	54	49	60	53	49	58	52	48	56	52	48	46		
8	69	58	50	45	67	57	50	45	55	49	45	54	48	44	53	48	44	42		
9	65	53	46	42	64	53	46	41	51	45	41	50	45	41	49	44	40	39		
10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1843.3	5.5
10°-20°	5300.1	15.7
20°-30°	8032.0	23.8
30°-40°	8163.5	24.2
40°-50°	4940.0	14.7
50°-60°	1835.2	5.4
60°-70°	1079.5	3.2
70°-80°	901.1	2.7
80°-90°	486.4	1.4
90°-100°	210.0	0.6
100°-110°	206.4	0.6
110°-120°	190.2	0.6
120°-130°	164.1	0.5
130°-140°	134.5	0.4
140°-150°	104.5	0.3
150°-160°	67.1	0.2
160°-170°	30.2	0.1
170°-180°	7.5	0.0
0°-30°	15175.4	45.0
0°-40°	23339.0	69.3
0°-60°	30114.2	89.4
0°-90°	32581.1	96.7
90°-120°	606.6	1.8
90°-150°	1009.7	3.0
90°-180°	1114.0	3.3
0°-180°	33695.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19474	
5°	19403	###
15°	18786	5300
25°	17500	8032
35°	13250	8164
45°	6355	4940
55°	1787	1835
65°	1059	1080
75°	864	901
85°	451	417
90°	192	122
95°	192	157
105°	196	206
115°	192	190
125°	183	164
135°	173	134
145°	166	105
155°	144	67
165°	103	30
175°	74	7
180°	72	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19474.1
2.5°	19435.5
5°	19402.7
7.5°	19298.4
10°	19128.5
12.5°	18969.2
15°	18786.4
17.5°	18534.5
20°	18232.2
22.5°	17901.8
25°	17499.9
27.5°	16989.1
30°	16256.8
32.5°	14893.0
35°	13250.3
37.5°	11442.4
40°	9586.5
42.5°	7867.7
45°	6355.1
47.5°	4988.9
50°	3660.3
52.5°	2474.5
55°	1786.8
57.5°	1520.8
60°	1307.6
62.5°	1143.5
65°	1059.2
67.5°	1012.3
70°	978.3
72.5°	930.3
75°	863.5
77.5°	783.8
80°	688.9
82.5°	577.6
85°	451.1
87.5°	316.3
90°	192.2
92.5°	191.0
95°	192.2
97.5°	193.3
100°	194.5
102.5°	195.7
105°	195.7
107.5°	194.5
110°	194.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	193.3
115°	192.2
117.5°	189.8
120°	187.5
122.5°	185.1
125°	182.8
127.5°	180.4
130°	178.1
132.5°	175.7
135°	173.4
137.5°	171.1
140°	169.9
142.5°	167.5
145°	166.4
147.5°	165.2
150°	161.7
152.5°	153.5
155°	144.1
157.5°	134.7
160°	125.4
162.5°	113.7
165°	103.1
167.5°	94.9
170°	86.7
172.5°	79.7
175°	73.8
177.5°	71.5
180°	71.5

(END OF REPORT)