

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: P1505572

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (3500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505572
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-125)
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 (3500K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

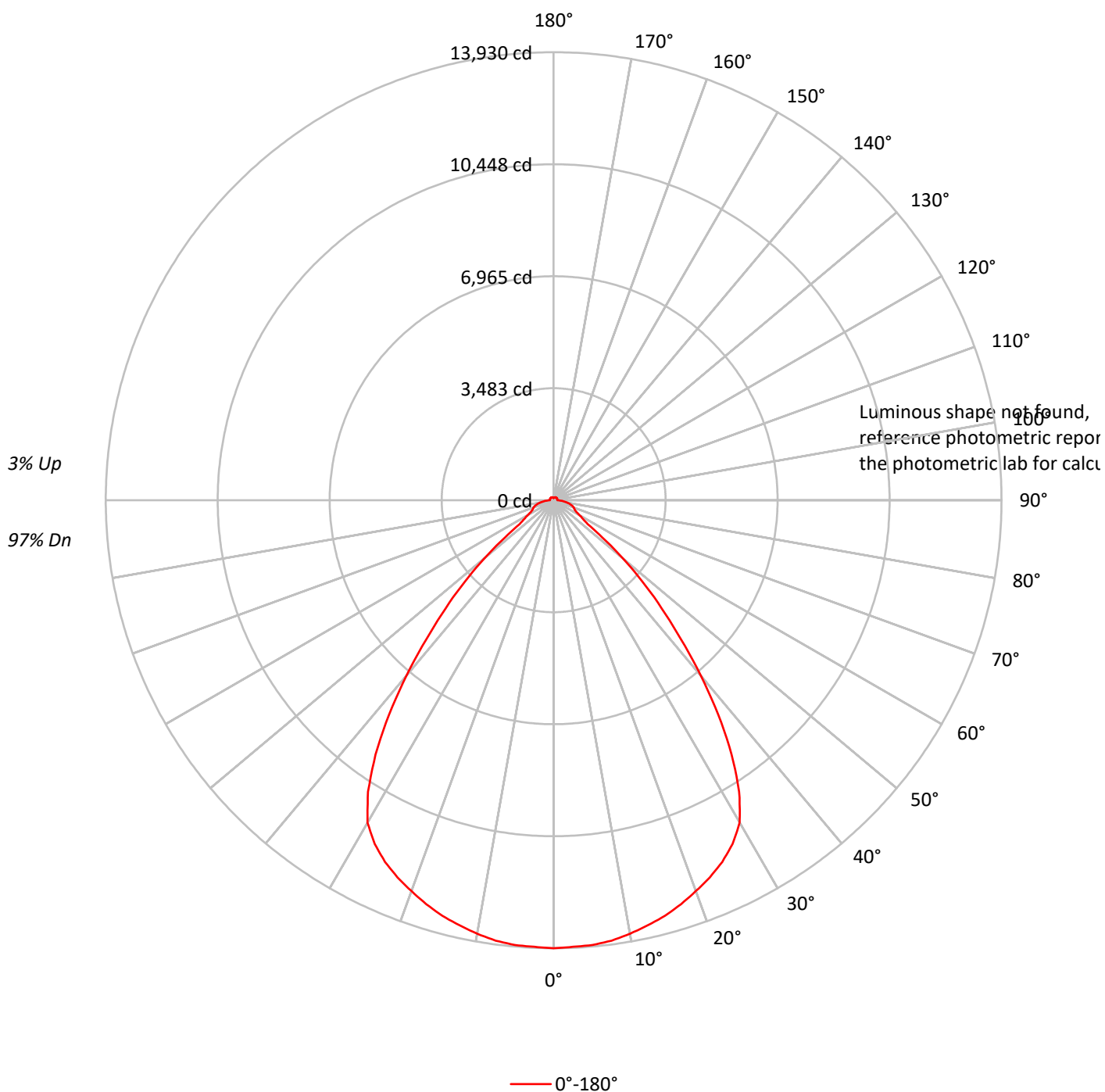
Lumens per Lamp: N/A
Luminaire Lumens: 24116.8 lumens
Efficiency: N/A
Efficacy: 153.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.16
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 157.5
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





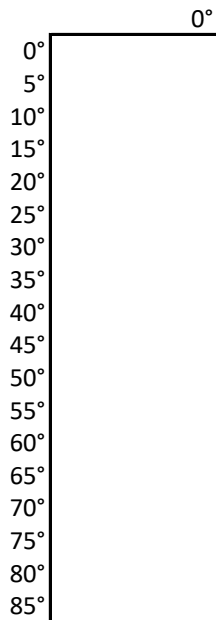
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	111	107	104	101	108	104	102	99	100	97	95	96	94	92	92	90	89	87		
2	103	97	92	87	101	95	90	86	91	87	84	87	84	81	84	81	79	77		
3	96	88	82	76	94	86	80	76	83	78	74	80	76	72	77	74	71	69		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62		
5	84	73	66	61	82	72	65	60	70	64	59	68	63	59	66	61	58	56		
6	79	67	60	55	77	66	59	54	64	58	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	61	54	49	60	53	49	58	53	48	57	52	48	46		
8	69	58	50	45	68	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°	1318.9	5.5
10°-20°	3772.9	15.6
20°-30°	5698.0	23.6
30°-40°	5936.5	24.6
40°-50°	3692.7	15.3
50°-60°	1362.8	5.7
60°-70°	751.0	3.1
70°-80°	590.9	2.5
80°-90°	292.9	1.2
90°-100°	125.0	0.5
100°-110°	124.6	0.5
110°-120°	117.4	0.5
120°-130°	103.6	0.4
130°-140°	86.3	0.4
140°-150°	67.8	0.3
150°-160°	45.7	0.2
160°-170°	23.1	0.1
170°-180°	6.6	0.0
0°-30°	10789.7	44.7
0°-40°	16726.3	69.4
0°-60°	21781.8	90.3
0°-90°	23416.6	97.1
90°-120°	367.1	1.5
90°-150°	624.8	2.6
90°-180°	700.0	2.9
0°-180°	24116.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13930	
5°	13882	###
15°	13377	3773
25°	12405	5698
35°	9655	5937
45°	4750	3693
55°	1288	1363
65°	734	751
75°	566	591
85°	267	251
90°	118	73
95°	114	94
105°	118	125
115°	119	117
125°	115	104
135°	111	86
145°	108	68
155°	99	46
165°	80	23
175°	68	7
180°	68	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13930.1
2.5°	13897.7
5°	13881.9
7.5°	13812.1
10°	13685.9
12.5°	13538.1
15°	13377.0
17.5°	13167.7
20°	12931.9
22.5°	12693.6
25°	12405.4
27.5°	12045.9
30°	11572.5
32.5°	10740.5
35°	9655.1
37.5°	8413.7
40°	7115.7
42.5°	5852.7
45°	4749.9
47.5°	3743.5
50°	2804.3
52.5°	1909.9
55°	1288.0
57.5°	1080.4
60°	929.2
62.5°	805.5
65°	734.1
67.5°	696.7
70°	663.5
72.5°	622.0
75°	566.3
77.5°	502.4
80°	430.2
82.5°	349.6
85°	266.6
87.5°	185.2
90°	117.9
92.5°	112.1
95°	113.8
97.5°	115.4
100°	116.3
102.5°	117.1
105°	117.9
107.5°	118.7
110°	118.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	118.7
115°	118.7
117.5°	117.9
120°	117.1
122.5°	116.3
125°	115.4
127.5°	114.6
130°	113.8
132.5°	112.1
135°	111.3
137.5°	110.4
140°	109.6
142.5°	108.8
145°	108.0
147.5°	107.1
150°	105.5
152.5°	102.1
155°	98.8
157.5°	94.7
160°	90.5
162.5°	85.5
165°	80.5
167.5°	75.6
170°	71.4
172.5°	68.9
175°	68.1
177.5°	68.1
180°	68.1

(END OF REPORT)