

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: P1505563

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (3000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505563
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 (3000K_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

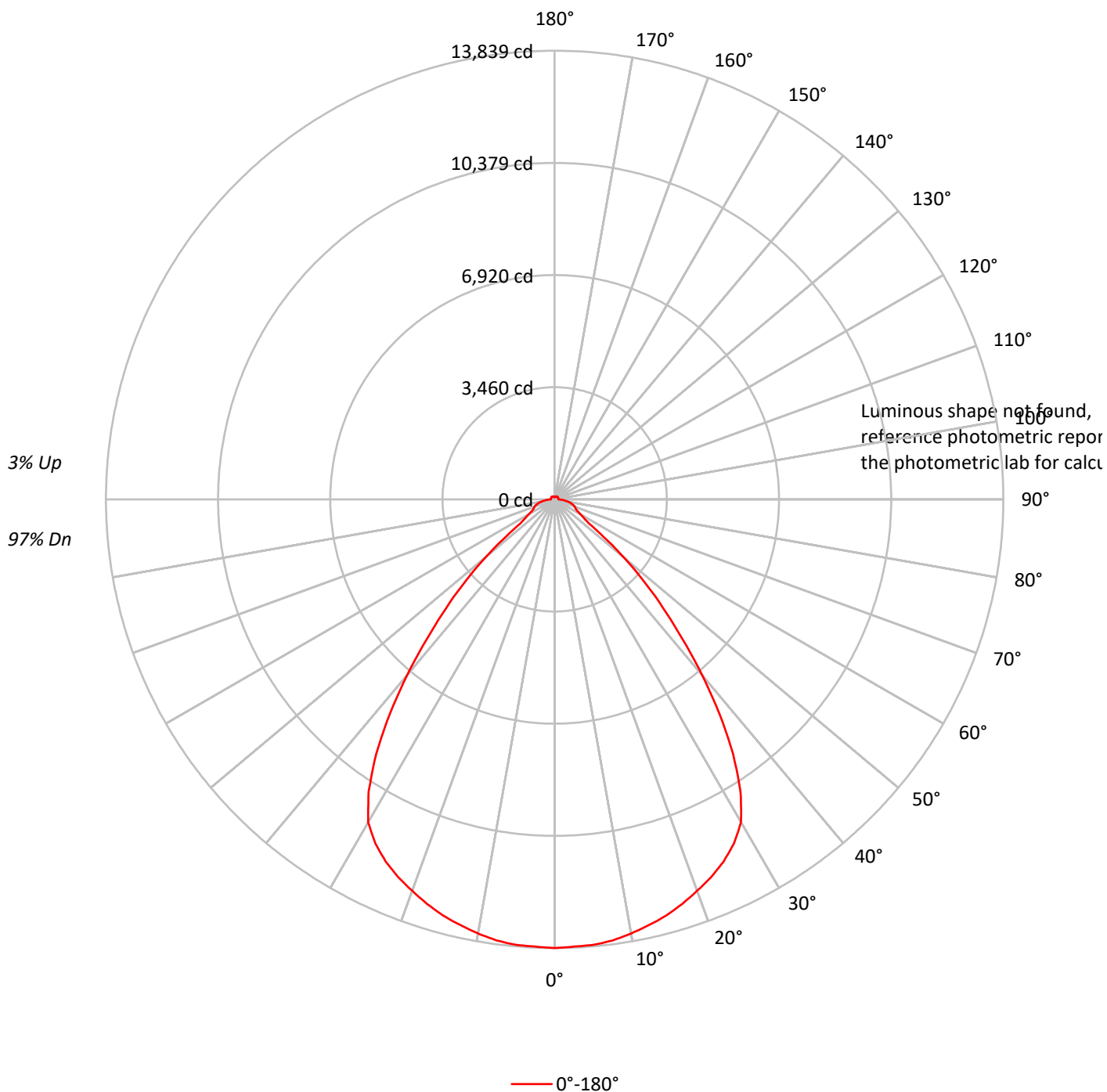
Lumens per Lamp: N/A
Luminaire Lumens: 23960.0 lumens
Efficiency: N/A
Efficacy: 150.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.16
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 159.4
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°	1310.3	5.5
10°-20°	3748.4	15.6
20°-30°	5660.9	23.6
30°-40°	5897.9	24.6
40°-50°	3668.6	15.3
50°-60°	1353.9	5.7
60°-70°	746.1	3.1
70°-80°	587.0	2.5
80°-90°	291.0	1.2
90°-100°	124.2	0.5
100°-110°	123.8	0.5
110°-120°	116.7	0.5
120°-130°	102.9	0.4
130°-140°	85.7	0.4
140°-150°	67.4	0.3
150°-160°	45.5	0.2
160°-170°	23.0	0.1
170°-180°	6.6	0.0
0°-30°	10719.6	44.7
0°-40°	16617.4	69.4
0°-60°	21640.0	90.3
0°-90°	23264.2	97.1
90°-120°	364.8	1.5
90°-150°	620.8	2.6
90°-180°	696.0	2.9
0°-180°	23960.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13839	
5°	13792	###
15°	13290	3748
25°	12325	5661
35°	9592	5898
45°	4719	3669
55°	1280	1354
65°	729	746
75°	563	587
85°	265	250
90°	117	73
95°	113	93
105°	117	124
115°	118	117
125°	115	103
135°	111	86
145°	107	67
155°	98	45
165°	80	23
175°	68	7
180°	68	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13839.4
2.5°	13807.3
5°	13791.6
7.5°	13722.3
10°	13596.9
12.5°	13450.0
15°	13290.0
17.5°	13082.1
20°	12847.8
22.5°	12611.0
25°	12324.7
27.5°	11967.5
30°	11497.2
32.5°	10670.6
35°	9592.3
37.5°	8358.9
40°	7069.5
42.5°	5814.6
45°	4719.0
47.5°	3719.1
50°	2786.0
52.5°	1897.5
55°	1279.6
57.5°	1073.3
60°	923.2
62.5°	800.3
65°	729.3
67.5°	692.2
70°	659.2
72.5°	617.9
75°	562.7
77.5°	499.1
80°	427.4
82.5°	347.3
85°	264.8
87.5°	184.0
90°	117.2
92.5°	111.4
95°	113.0
97.5°	114.7
100°	115.5
102.5°	116.3
105°	117.2
107.5°	118.0
110°	118.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	118.0
115°	118.0
117.5°	117.2
120°	116.3
122.5°	115.5
125°	114.7
127.5°	113.9
130°	113.0
132.5°	111.4
135°	110.6
137.5°	109.7
140°	108.9
142.5°	108.1
145°	107.3
147.5°	106.4
150°	104.8
152.5°	101.5
155°	98.2
157.5°	94.1
160°	89.9
162.5°	85.0
165°	80.0
167.5°	75.1
170°	71.0
172.5°	68.5
175°	67.7
177.5°	67.7
180°	67.7

(END OF REPORT)