

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: P1505239

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (6500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505239
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_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

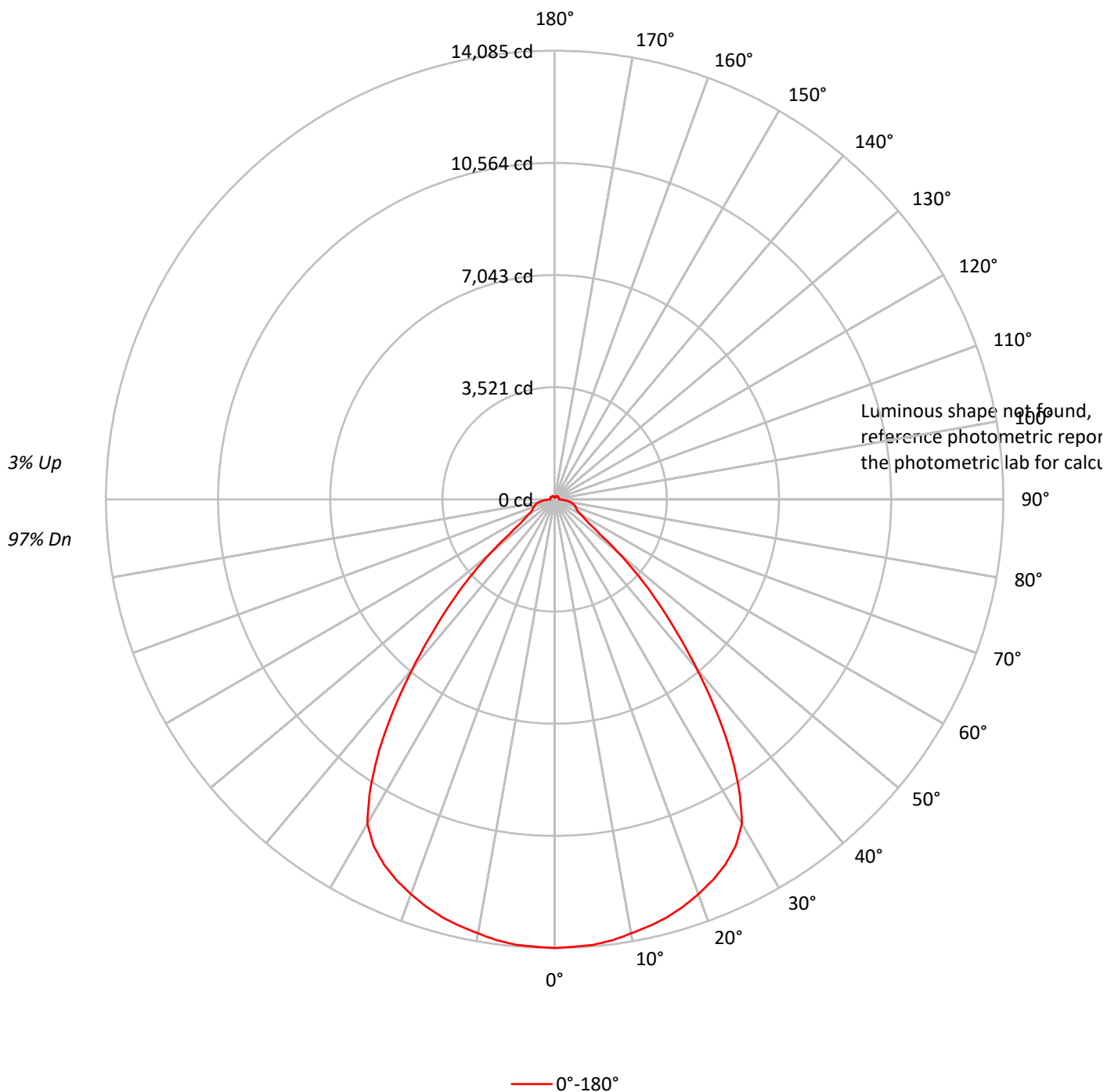
Lumens per Lamp: N/A
Luminaire Lumens: 24370.6 lumens
Efficiency: N/A
Efficacy: 152.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 159.8
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



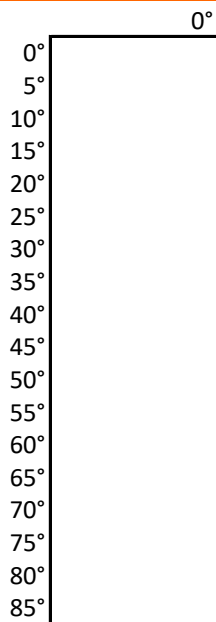
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	1333.1	5.5
10°-20°	3833.4	15.7
20°-30°	5809.2	23.8
30°-40°	5904.3	24.2
40°-50°	3572.9	14.7
50°-60°	1327.3	5.4
60°-70°	780.8	3.2
70°-80°	651.7	2.7
80°-90°	351.8	1.4
90°-100°	151.9	0.6
100°-110°	149.3	0.6
110°-120°	137.6	0.6
120°-130°	118.7	0.5
130°-140°	97.3	0.4
140°-150°	75.6	0.3
150°-160°	48.6	0.2
160°-170°	21.8	0.1
170°-180°	5.4	0.0
0°-30°	10975.7	45.0
0°-40°	16880.0	69.3
0°-60°	21780.3	89.4
0°-90°	23564.6	96.7
90°-120°	438.7	1.8
90°-150°	730.2	3.0
90°-180°	806.0	3.3
0°-180°	24370.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14085	
5°	14033	###
15°	13587	3833
25°	12657	5809
35°	9583	5904
45°	4596	3573
55°	1292	1327
65°	766	781
75°	624	652
85°	326	301
90°	139	88
95°	139	114
105°	142	149
115°	139	138
125°	132	119
135°	125	97
145°	120	76
155°	104	49
165°	75	22
175°	53	5
180°	52	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14084.8
2.5°	14056.8
5°	14033.1
7.5°	13957.7
10°	13834.8
12.5°	13719.6
15°	13587.4
17.5°	13405.2
20°	13186.6
22.5°	12947.6
25°	12656.9
27.5°	12287.4
30°	11757.8
32.5°	10771.4
35°	9583.4
37.5°	8275.8
40°	6933.5
42.5°	5690.4
45°	4596.4
47.5°	3608.3
50°	2647.3
52.5°	1789.7
55°	1292.3
57.5°	1099.9
60°	945.7
62.5°	827.1
65°	766.1
67.5°	732.2
70°	707.6
72.5°	672.8
75°	624.5
77.5°	566.9
80°	498.3
82.5°	417.8
85°	326.3
87.5°	228.8
90°	139.0
92.5°	138.1
95°	139.0
97.5°	139.8
100°	140.7
102.5°	141.5
105°	141.5
107.5°	140.7
110°	140.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	139.8
115°	139.0
117.5°	137.3
120°	135.6
122.5°	133.9
125°	132.2
127.5°	130.5
130°	128.8
132.5°	127.1
135°	125.4
137.5°	123.7
140°	122.9
142.5°	121.2
145°	120.3
147.5°	119.5
150°	116.9
152.5°	111.0
155°	104.2
157.5°	97.5
160°	90.7
162.5°	82.2
165°	74.6
167.5°	68.6
170°	62.7
172.5°	57.6
175°	53.4
177.5°	51.7
180°	51.7

(END OF REPORT)