

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: P1505241

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (6500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505241
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-114)
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_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

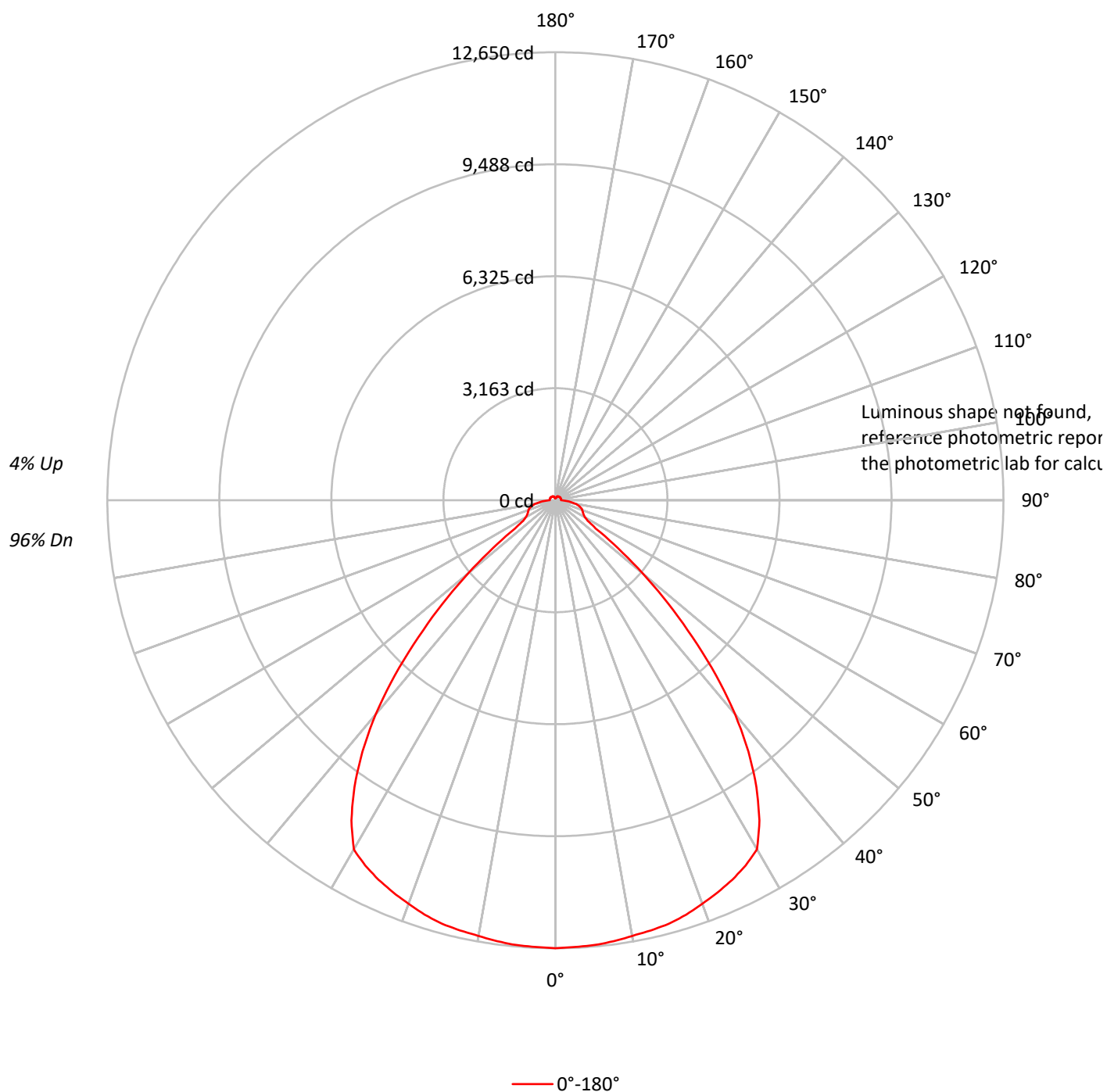
Lumens per Lamp: N/A
Luminaire Lumens: 24897.5 lumens
Efficiency: N/A
Efficacy: 155.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.23
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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



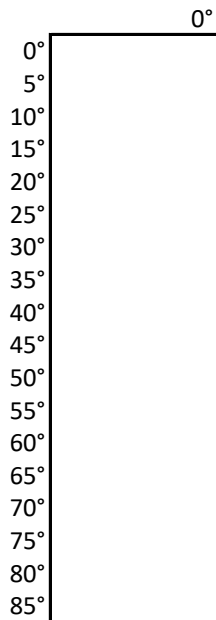
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				0
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	96			
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87	85			
2	102	96	90	86	100	94	89	84	90	85	82	86	82	79	82	80	77	75			
3	95	87	80	75	93	85	79	74	81	76	72	78	74	70	76	72	69	67			
4	89	79	71	66	86	77	70	65	74	69	64	72	67	63	69	65	62	60			
5	83	72	64	59	80	70	63	58	68	62	57	66	61	56	64	59	55	54			
6	77	66	58	53	75	65	57	52	63	56	52	61	55	51	59	54	50	48			
7	72	60	53	47	70	59	52	47	58	51	47	56	50	46	54	49	46	44			
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	51	45	42	40			
9	63	52	44	39	62	51	44	39	49	43	39	48	43	38	47	42	38	36			
10	60	48	41	36	58	47	40	36	46	40	36	45	39	35	44	39	35	33			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1199.7	4.8
10°-20°	3495.7	14.0
20°-30°	5450.0	21.9
30°-40°	6114.2	24.6
40°-50°	4220.5	17.0
50°-60°	1500.3	6.0
60°-70°	863.8	3.5
70°-80°	749.8	3.0
80°-90°	396.0	1.6
90°-100°	172.0	0.7
100°-110°	168.7	0.7
110°-120°	155.2	0.6
120°-130°	134.4	0.5
130°-140°	109.5	0.4
140°-150°	84.3	0.3
150°-160°	53.9	0.2
160°-170°	23.8	0.1
170°-180°	5.8	0.0
0°-30°	10145.4	40.7
0°-40°	16259.6	65.3
0°-60°	21980.3	88.3
0°-90°	23989.9	96.4
90°-120°	495.9	2.0
90°-150°	824.0	3.3
90°-180°	908.0	3.6
0°-180°	24897.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12650	
5°	12609	###
15°	12381	3496
25°	11820	5450
35°	9897	6114
45°	5465	4220
55°	1388	1500
65°	863	864
75°	720	750
85°	362	339
90°	158	100
95°	158	129
105°	159	169
115°	157	155
125°	150	134
135°	142	110
145°	134	84
155°	116	54
165°	81	24
175°	57	6
180°	54	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12650.1
2.5°	12624.7
5°	12608.6
7.5°	12560.3
10°	12490.8
12.5°	12440.8
15°	12380.7
17.5°	12270.5
20°	12126.4
22.5°	11981.5
25°	11819.7
27.5°	11627.3
30°	11382.4
32.5°	10719.7
35°	9896.9
37.5°	8949.5
40°	7895.3
42.5°	6712.3
45°	5464.9
47.5°	4325.2
50°	3212.5
52.5°	2221.1
55°	1388.1
57.5°	1075.4
60°	970.3
62.5°	900.8
65°	862.7
67.5°	833.0
70°	806.7
72.5°	771.1
75°	720.3
77.5°	656.7
80°	573.7
82.5°	471.2
85°	361.8
87.5°	255.1
90°	157.6
92.5°	155.9
95°	157.6
97.5°	158.5
100°	159.3
102.5°	160.2
105°	159.3
107.5°	159.3
110°	158.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	157.6
115°	156.8
117.5°	155.1
120°	153.4
122.5°	151.7
125°	150.0
127.5°	147.4
130°	145.8
132.5°	143.2
135°	141.5
137.5°	139.0
140°	137.3
142.5°	135.6
145°	133.9
147.5°	133.0
150°	129.7
152.5°	123.7
155°	116.1
157.5°	107.6
160°	100.0
162.5°	90.7
165°	81.4
167.5°	73.7
170°	67.8
172.5°	61.0
175°	56.8
177.5°	54.2
180°	54.2

(END OF REPORT)