

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: P1505214

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505214
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 (3500K_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

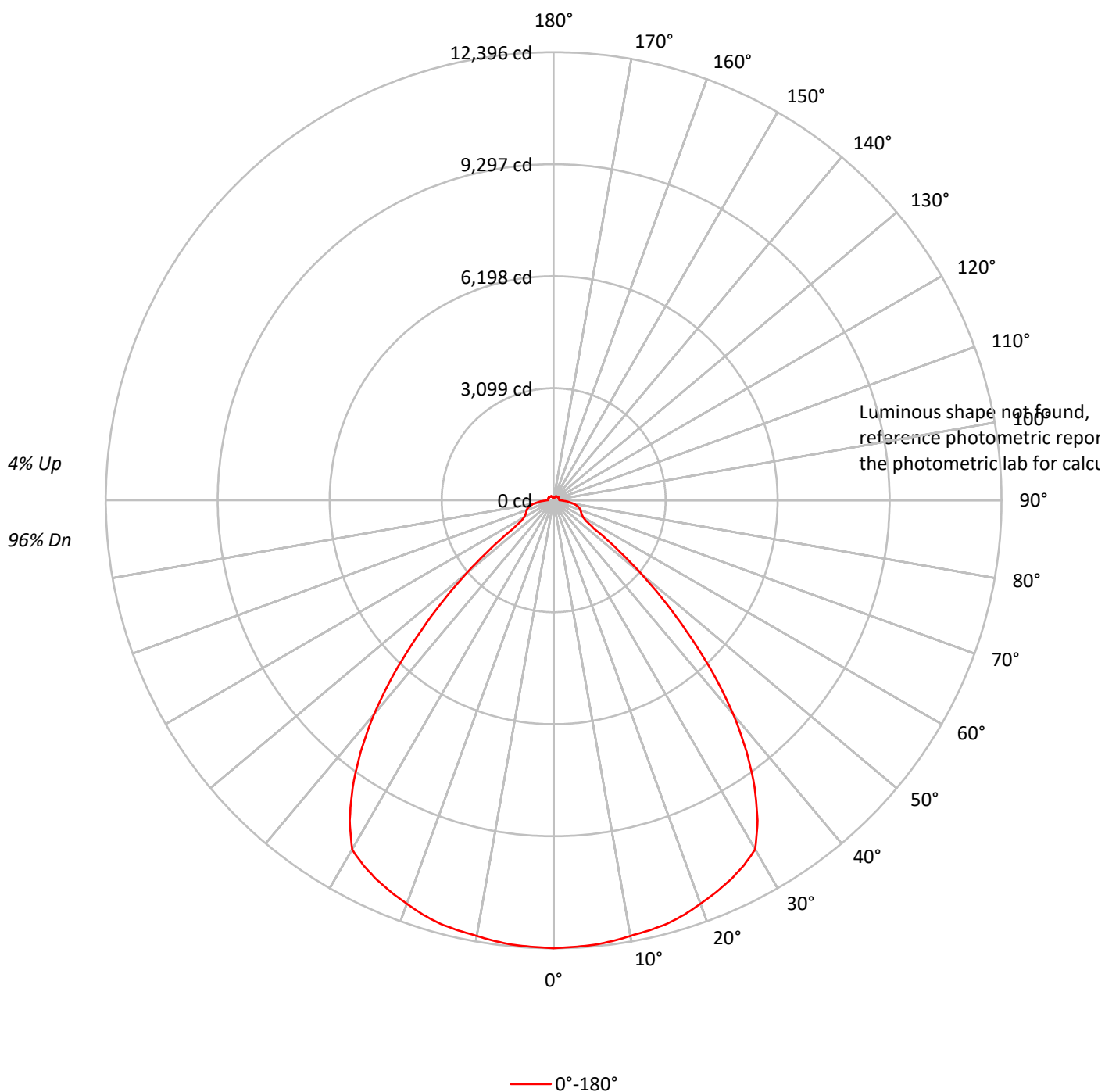
Lumens per Lamp: N/A
Luminaire Lumens: 24397.9 lumens
Efficiency: N/A
Efficacy: 154.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.23
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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





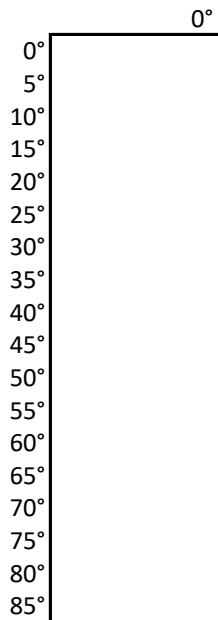
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				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°	1175.6	4.8
10°-20°	3425.6	14.0
20°-30°	5340.6	21.9
30°-40°	5991.5	24.6
40°-50°	4135.8	17.0
50°-60°	1470.1	6.0
60°-70°	846.5	3.5
70°-80°	734.8	3.0
80°-90°	388.1	1.6
90°-100°	168.5	0.7
100°-110°	165.3	0.7
110°-120°	152.1	0.6
120°-130°	131.6	0.5
130°-140°	107.3	0.4
140°-150°	82.6	0.3
150°-160°	52.8	0.2
160°-170°	23.4	0.1
170°-180°	5.6	0.0
0°-30°	9941.8	40.7
0°-40°	15933.3	65.3
0°-60°	21539.3	88.3
0°-90°	23508.6	96.4
90°-120°	485.9	2.0
90°-150°	807.5	3.3
90°-180°	889.0	3.6
0°-180°	24397.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12396	
5°	12356	###
15°	12132	3426
25°	11582	5341
35°	9698	5992
45°	5355	4136
55°	1360	1470
65°	845	847
75°	706	735
85°	355	333
90°	154	98
95°	154	126
105°	156	165
115°	154	152
125°	147	132
135°	139	107
145°	131	83
155°	114	53
165°	80	23
175°	56	6
180°	53	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12396.3
2.5°	12371.4
5°	12355.6
7.5°	12308.3
10°	12240.2
12.5°	12191.2
15°	12132.2
17.5°	12024.3
20°	11883.1
22.5°	11741.1
25°	11582.5
27.5°	11394.0
30°	11154.0
32.5°	10504.6
35°	9698.3
37.5°	8769.9
40°	7736.9
42.5°	6577.6
45°	5355.3
47.5°	4238.4
50°	3148.1
52.5°	2176.5
55°	1360.2
57.5°	1053.8
60°	950.8
62.5°	882.7
65°	845.4
67.5°	816.3
70°	790.5
72.5°	755.7
75°	705.8
77.5°	643.6
80°	562.2
82.5°	461.7
85°	354.6
87.5°	250.0
90°	154.5
92.5°	152.8
95°	154.5
97.5°	155.3
100°	156.1
102.5°	156.9
105°	156.1
107.5°	156.1
110°	155.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	154.5
115°	153.6
117.5°	152.0
120°	150.3
122.5°	148.6
125°	147.0
127.5°	144.5
130°	142.8
132.5°	140.3
135°	138.7
137.5°	136.2
140°	134.5
142.5°	132.9
145°	131.2
147.5°	130.4
150°	127.1
152.5°	121.2
155°	113.8
157.5°	105.5
160°	98.0
162.5°	88.9
165°	79.7
167.5°	72.2
170°	66.4
172.5°	59.8
175°	55.6
177.5°	53.1
180°	53.1

(END OF REPORT)