

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: P1505223

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (4000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505223
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 (4000K_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

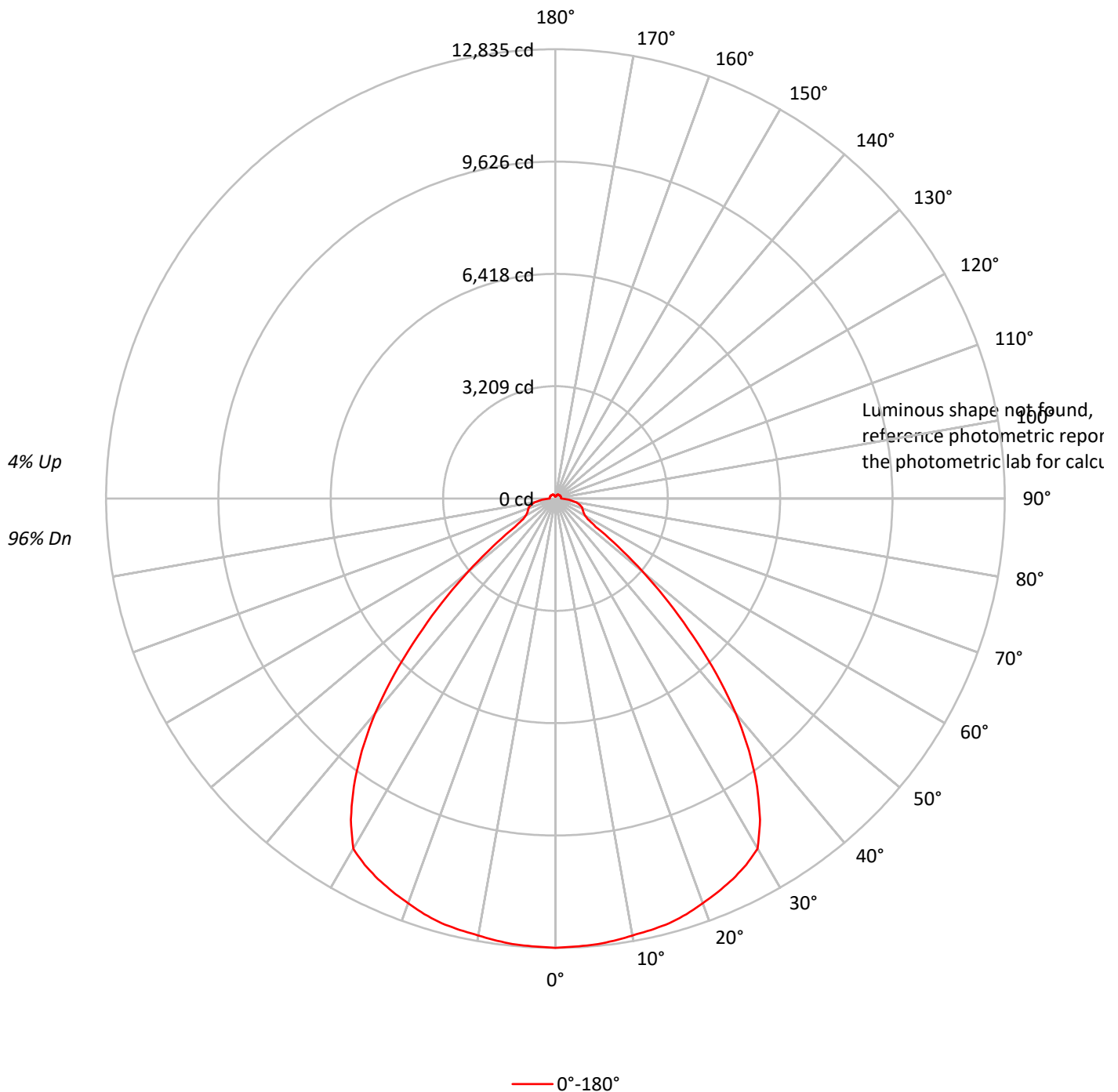
Lumens per Lamp: N/A
Luminaire Lumens: 25261.9 lumens
Efficiency: N/A
Efficacy: 162.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.23
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 155.7
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



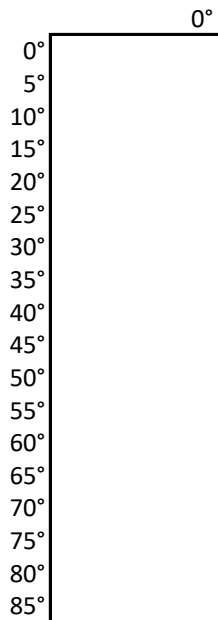
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10
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: -

TEST NUMBER: P1505223

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (4000K_L24_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1217.3	4.8
10°-20°	3546.9	14.0
20°-30°	5529.7	21.9
30°-40°	6203.7	24.6
40°-50°	4282.3	17.0
50°-60°	1522.2	6.0
60°-70°	876.5	3.5
70°-80°	760.8	3.0
80°-90°	401.8	1.6
90°-100°	174.5	0.7
100°-110°	171.1	0.7
110°-120°	157.5	0.6
120°-130°	136.3	0.5
130°-140°	111.1	0.4
140°-150°	85.5	0.3
150°-160°	54.7	0.2
160°-170°	24.2	0.1
170°-180°	5.8	0.0
0°-30°	10293.9	40.7
0°-40°	16497.6	65.3
0°-60°	22302.1	88.3
0°-90°	24341.1	96.4
90°-120°	503.1	2.0
90°-150°	836.0	3.3
90°-180°	921.0	3.6
0°-180°	25261.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12835	
5°	12793	###
15°	12562	3547
25°	11993	5530
35°	10042	6204
45°	5545	4282
55°	1408	1522
65°	875	876
75°	731	761
85°	367	344
90°	160	101
95°	160	131
105°	162	171
115°	159	157
125°	152	136
135°	144	111
145°	136	86
155°	118	55
165°	82	24
175°	58	6
180°	55	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12835.3
2.5°	12809.5
5°	12793.2
7.5°	12744.2
10°	12673.7
12.5°	12622.9
15°	12561.9
17.5°	12450.1
20°	12304.0
22.5°	12156.9
25°	11992.7
27.5°	11797.5
30°	11549.0
32.5°	10876.7
35°	10041.8
37.5°	9080.5
40°	8010.9
42.5°	6810.6
45°	5544.9
47.5°	4388.5
50°	3259.6
52.5°	2253.6
55°	1408.4
57.5°	1091.1
60°	984.5
62.5°	914.0
65°	875.3
67.5°	845.2
70°	818.5
72.5°	782.4
75°	730.8
77.5°	666.4
80°	582.1
82.5°	478.1
85°	367.1
87.5°	258.8
90°	159.9
92.5°	158.2
95°	159.9
97.5°	160.8
100°	161.6
102.5°	162.5
105°	161.6
107.5°	161.6
110°	160.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	159.9
115°	159.1
117.5°	157.3
120°	155.6
122.5°	153.9
125°	152.2
127.5°	149.6
130°	147.9
132.5°	145.3
135°	143.6
137.5°	141.0
140°	139.3
142.5°	137.6
145°	135.9
147.5°	135.0
150°	131.6
152.5°	125.5
155°	117.8
157.5°	109.2
160°	101.5
162.5°	92.0
165°	82.5
167.5°	74.8
170°	68.8
172.5°	61.9
175°	57.6
177.5°	55.0
180°	55.0

(END OF REPORT)