

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: P1505194

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505194
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-107)
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-CLER-PS (6500K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

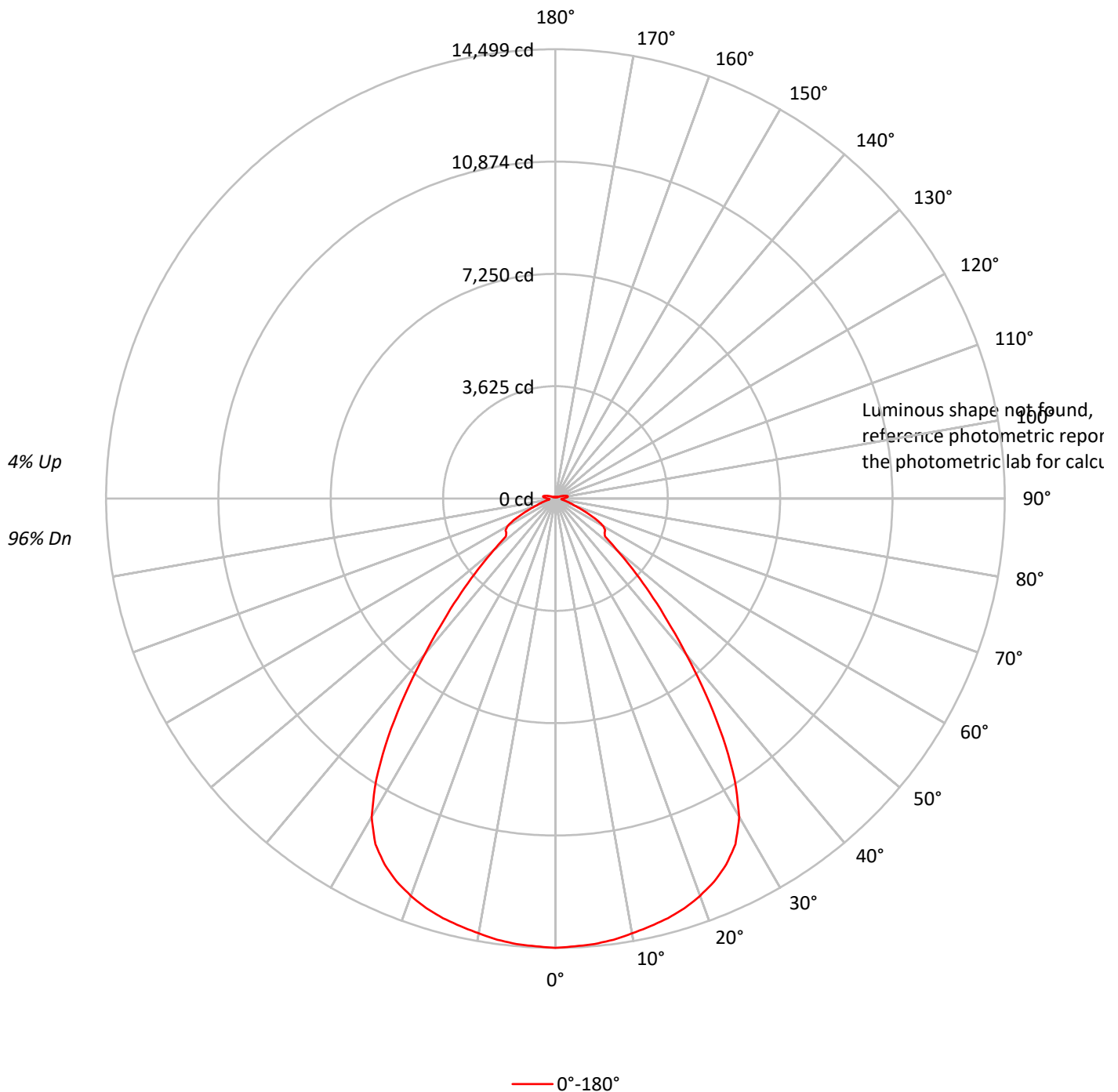
Lumens per Lamp: N/A
Luminaire Lumens: 25200.5 lumens
Efficiency: N/A
Efficacy: 157.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.12
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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





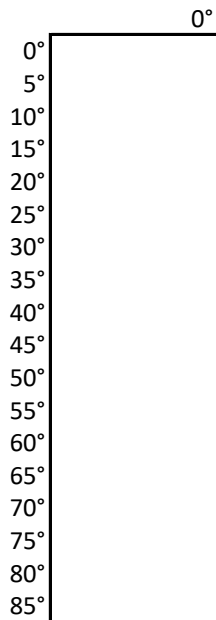
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	103	103	103	98	98	98	96		
1	110	107	103	101	107	104	101	98	99	97	95	95	93	91	90	89	88	85		
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	83	80	78	76		
3	96	87	81	76	93	86	80	75	82	77	73	79	75	71	76	73	70	68		
4	89	80	73	67	87	78	72	67	75	70	65	73	68	64	70	66	63	61		
5	83	73	65	60	81	72	65	60	69	63	59	67	62	58	65	60	57	55		
6	78	67	59	54	76	66	59	54	64	58	53	62	56	52	60	55	52	50		
7	73	62	54	49	71	61	54	49	59	53	48	57	52	48	56	51	47	45		
8	69	57	50	45	67	56	49	45	55	48	44	53	48	44	52	47	43	41		
9	65	53	46	41	63	52	46	41	51	45	40	50	44	40	48	43	40	38		
10	61	49	42	38	60	49	42	38	48	42	37	46	41	37	45	40	37	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505194

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (6500K_L24_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1371.7	5.4
10°-20°	3957.6	15.7
20°-30°	5964.4	23.7
30°-40°	5802.3	23.0
40°-50°	3361.1	13.3
50°-60°	1799.6	7.1
60°-70°	1180.2	4.7
70°-80°	436.5	1.7
80°-90°	225.5	0.9
90°-100°	371.8	1.5
100°-110°	353.6	1.4
110°-120°	163.6	0.6
120°-130°	72.4	0.3
130°-140°	53.1	0.2
140°-150°	41.1	0.2
150°-160°	28.0	0.1
160°-170°	14.1	0.1
170°-180°	3.8	0.0
0°-30°	11293.7	44.8
0°-40°	17096.0	67.8
0°-60°	22256.7	88.3
0°-90°	24098.9	95.6
90°-120°	889.0	3.5
90°-150°	1055.6	4.2
90°-180°	1102.0	4.4
0°-180°	25200.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14499	
5°	14431	###
15°	14020	3958
25°	13036	5964
35°	9421	5802
45°	4296	3361
55°	1935	1800
65°	1178	1180
75°	400	437
85°	188	165
90°	239	133
95°	352	299
105°	338	354
115°	158	164
125°	77	72
135°	69	53
145°	65	41
155°	61	28
165°	49	14
175°	39	4
180°	38	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14499.2
2.5°	14461.9
5°	14431.4
7.5°	14359.4
10°	14248.4
12.5°	14136.5
15°	14020.4
17.5°	13861.9
20°	13642.5
22.5°	13381.5
25°	13035.7
27.5°	12575.6
30°	11858.7
32.5°	10771.4
35°	9420.7
37.5°	7969.9
40°	6553.9
42.5°	5330.2
45°	4295.5
47.5°	3372.7
50°	2599.9
52.5°	2014.3
55°	1934.6
57.5°	1905.0
60°	1783.8
62.5°	1515.2
65°	1177.9
67.5°	874.5
70°	653.4
72.5°	508.4
75°	400.0
77.5°	303.4
80°	236.4
82.5°	198.3
85°	188.1
87.5°	202.5
90°	239.0
92.5°	293.2
95°	351.7
97.5°	396.6
100°	405.9
102.5°	380.5
105°	338.1
107.5°	291.5
110°	243.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	197.4
115°	158.5
117.5°	126.3
120°	103.4
122.5°	87.3
125°	77.1
127.5°	71.2
130°	68.6
132.5°	68.6
135°	68.6
137.5°	68.6
140°	67.8
142.5°	66.1
145°	65.3
147.5°	64.4
150°	63.6
152.5°	61.9
155°	61.0
157.5°	58.5
160°	55.9
162.5°	52.5
165°	49.1
167.5°	45.8
170°	43.2
172.5°	40.7
175°	39.0
177.5°	37.3
180°	38.1

(END OF REPORT)