

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: P1505016

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (6500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505016
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-84)
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-04-CLER-PS (6500K_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

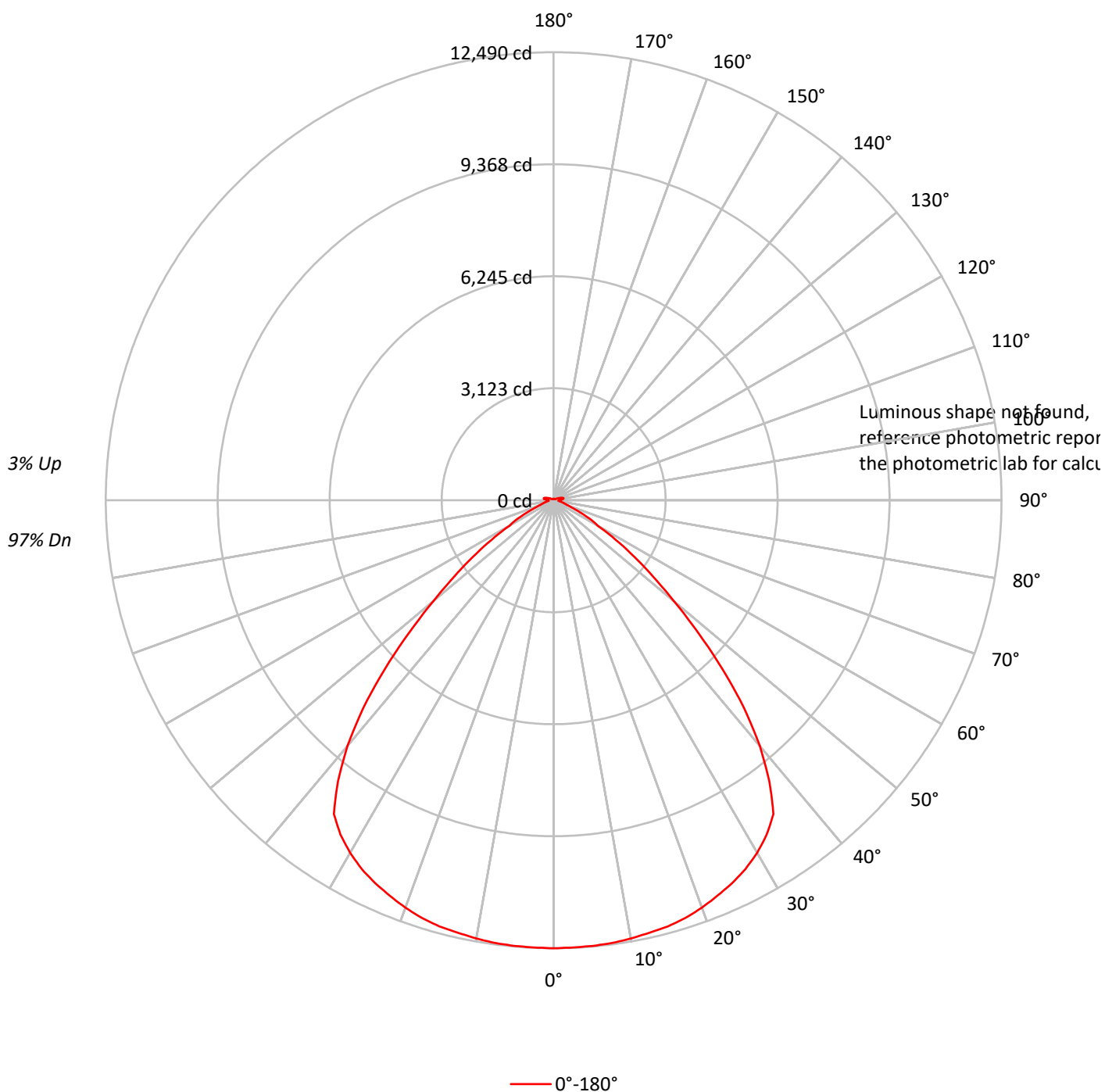
Lumens per Lamp: N/A
Luminaire Lumens: 26338.6 lumens
Efficiency: N/A
Efficacy: 164.8 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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	50	30	10
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	98	95	96	94	92	92	90	89	87		
2	103	97	91	87	100	94	90	85	91	87	83	87	84	81	84	81	79	77		
3	96	87	81	75	93	85	79	74	82	77	73	79	75	71	76	73	70	68		
4	89	79	72	66	86	77	71	65	75	69	64	72	67	63	70	66	62	60		
5	83	72	64	58	80	70	63	58	68	62	57	66	61	56	64	59	56	54		
6	77	65	58	52	75	64	57	52	62	56	51	60	55	51	59	54	50	48		
7	72	60	52	47	70	59	52	47	57	51	46	56	50	46	54	49	45	43		
8	67	55	47	42	65	54	47	42	53	46	42	51	46	41	50	45	41	39		
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	46	41	37	36		
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	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°	1188.5	4.5
10°-20°	3475.8	13.2
20°-30°	5431.7	20.6
30°-40°	6530.5	24.8
40°-50°	5108.7	19.4
50°-60°	2482.3	9.4
60°-70°	869.8	3.3
70°-80°	298.1	1.1
80°-90°	159.7	0.6
90°-100°	245.8	0.9
100°-110°	263.3	1.0
110°-120°	128.5	0.5
120°-130°	52.8	0.2
130°-140°	36.8	0.1
140°-150°	30.8	0.1
150°-160°	21.6	0.1
160°-170°	11.0	0.0
170°-180°	2.9	0.0
0°-30°	10096.0	38.3
0°-40°	16626.5	63.1
0°-60°	24217.5	91.9
0°-90°	25545.1	97.0
90°-120°	637.6	2.4
90°-150°	758.0	2.9
90°-180°	794.0	3.0
0°-180°	26338.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12490	
5°	12472	###
15°	12299	3476
25°	11779	5432
35°	10683	6531
45°	6664	5109
55°	2745	2482
65°	859	870
75°	275	298
85°	133	121
90°	152	86
95°	230	199
105°	256	263
115°	125	129
125°	56	53
135°	48	37
145°	49	31
155°	47	22
165°	38	11
175°	30	3
180°	28	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12490.0
2.5°	12478.1
5°	12472.2
7.5°	12449.3
10°	12406.1
12.5°	12349.3
15°	12299.3
17.5°	12213.7
20°	12085.8
22.5°	11936.6
25°	11779.0
27.5°	11590.0
30°	11351.1
32.5°	11057.9
35°	10683.3
37.5°	9880.8
40°	8941.0
42.5°	7858.0
45°	6664.0
47.5°	5461.6
50°	4372.6
52.5°	3483.7
55°	2744.8
57.5°	2049.0
60°	1430.4
62.5°	1166.0
65°	859.3
67.5°	584.7
70°	414.4
72.5°	327.9
75°	274.6
77.5°	228.8
80°	183.9
82.5°	150.8
85°	133.0
87.5°	133.9
90°	151.7
92.5°	189.0
95°	230.5
97.5°	265.2
100°	282.2
102.5°	276.3
105°	255.9
107.5°	225.4
110°	190.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	155.9
115°	125.4
117.5°	99.1
120°	78.8
122.5°	65.3
125°	55.9
127.5°	50.0
130°	47.5
132.5°	46.6
135°	47.5
137.5°	48.3
140°	48.3
142.5°	49.1
145°	49.1
147.5°	49.1
150°	49.1
152.5°	48.3
155°	46.6
157.5°	44.9
160°	43.2
162.5°	40.7
165°	38.1
167.5°	35.6
170°	33.0
172.5°	31.4
175°	29.7
177.5°	28.8
180°	28.0

(END OF REPORT)