

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: P1505340

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505340
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-96)
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-B-04-CLER-PS (3000K_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

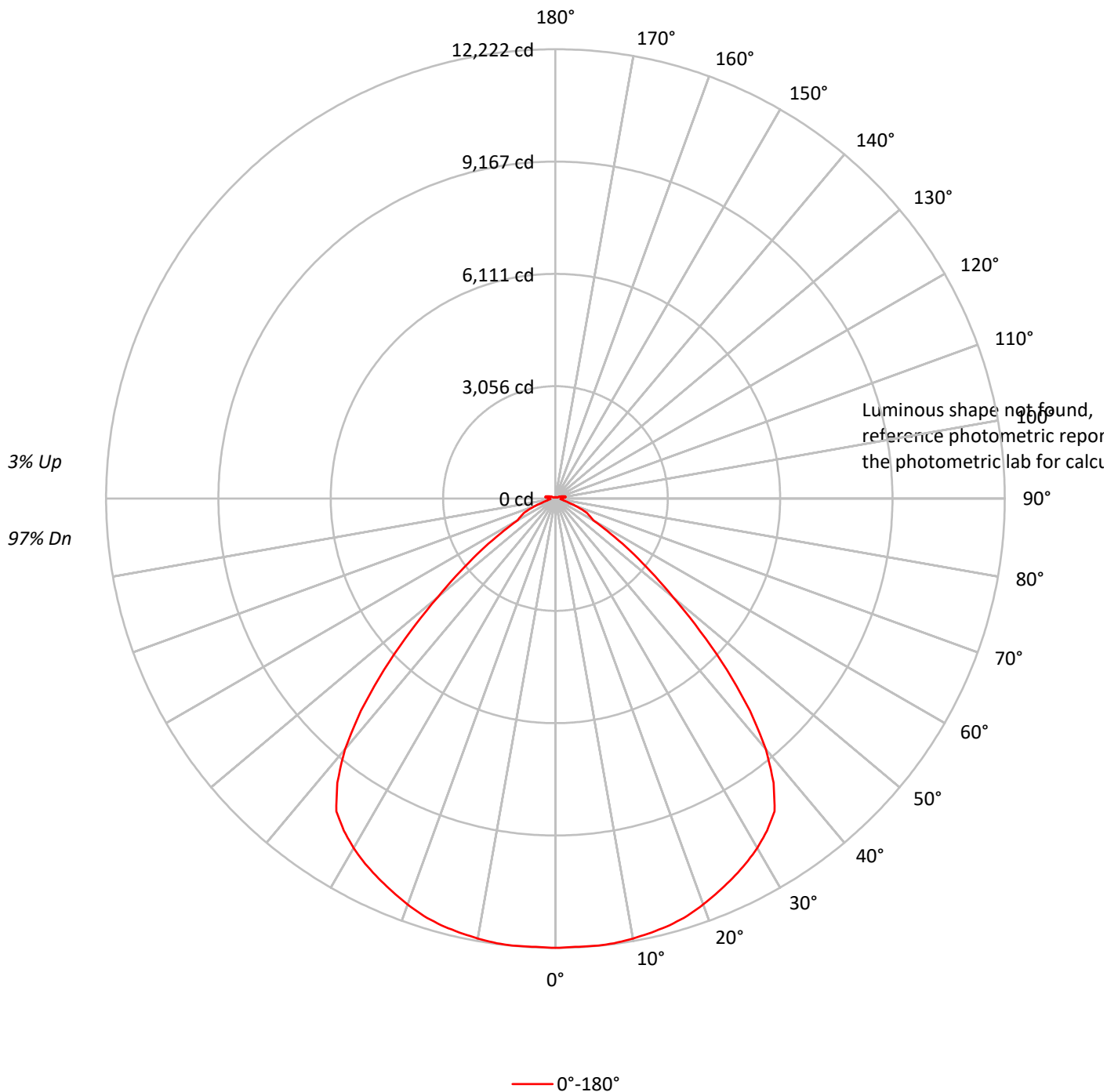
Lumens per Lamp: N/A
Luminaire Lumens: 25691.4 lumens
Efficiency: N/A
Efficacy: 161.2 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 159.4
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





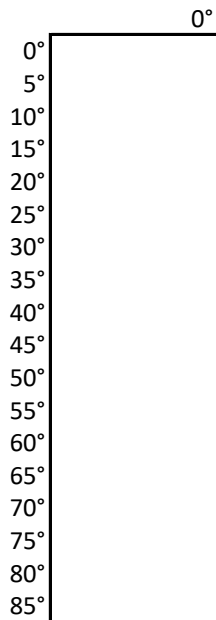
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	97	95	96	94	92	92	90	89	87		
2	103	96	91	87	100	94	89	85	91	86	83	87	84	81	84	81	79	76		
3	96	87	80	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	65	62	60		
5	82	72	64	58	80	70	63	58	68	62	57	66	60	56	64	59	55	54		
6	77	65	58	52	75	64	57	52	62	56	51	60	55	50	59	54	50	48		
7	72	60	52	47	70	59	52	46	57	51	46	56	50	45	54	49	45	43		
8	67	55	47	42	65	54	47	42	53	46	42	51	45	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°	1164.2	4.5
10°-20°	3393.4	13.2
20°-30°	5259.7	20.5
30°-40°	6380.3	24.8
40°-50°	5042.0	19.6
50°-60°	2263.8	8.8
60°-70°	913.7	3.6
70°-80°	339.9	1.3
80°-90°	161.1	0.6
90°-100°	256.6	1.0
100°-110°	251.6	1.0
110°-120°	118.2	0.5
120°-130°	49.2	0.2
130°-140°	35.2	0.1
140°-150°	28.4	0.1
150°-160°	19.7	0.1
160°-170°	11.1	0.0
170°-180°	3.4	0.0
0°-30°	9817.3	38.2
0°-40°	16197.6	63.0
0°-60°	23503.5	91.5
0°-90°	24918.2	97.0
90°-120°	626.4	2.4
90°-150°	739.1	2.9
90°-180°	773.0	3.0
0°-180°	25691.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12222	
5°	12216	###
15°	12015	3393
25°	11398	5260
35°	10390	6380
45°	6592	5042
55°	2479	2264
65°	960	914
75°	289	340
85°	134	120
90°	160	91
95°	245	207
105°	243	252
115°	115	118
125°	52	49
135°	45	35
145°	45	28
155°	42	20
165°	39	11
175°	36	3
180°	37	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12221.6
2.5°	12209.2
5°	12215.8
7.5°	12204.3
10°	12150.7
12.5°	12089.6
15°	12015.4
17.5°	11906.4
20°	11752.2
22.5°	11577.3
25°	11398.2
27.5°	11201.9
30°	10978.3
32.5°	10709.4
35°	10390.1
37.5°	9743.3
40°	8901.8
42.5°	7830.1
45°	6591.8
47.5°	5340.2
50°	4184.4
52.5°	3255.5
55°	2479.1
57.5°	1779.5
60°	1201.2
62.5°	1062.6
65°	960.3
67.5°	784.6
70°	578.3
72.5°	399.3
75°	288.8
77.5°	224.4
80°	178.2
82.5°	148.5
85°	134.5
87.5°	138.6
90°	160.1
92.5°	202.1
95°	245.0
97.5°	273.9
100°	280.5
102.5°	267.3
105°	242.6
107.5°	211.2
110°	176.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	144.4
115°	114.7
117.5°	89.9
120°	72.6
122.5°	60.2
125°	52.0
127.5°	47.0
130°	45.4
132.5°	44.6
135°	45.4
137.5°	46.2
140°	46.2
142.5°	46.2
145°	44.6
147.5°	44.6
150°	43.7
152.5°	42.9
155°	42.1
157.5°	42.1
160°	41.3
162.5°	40.4
165°	38.8
167.5°	37.1
170°	35.5
172.5°	35.5
175°	36.3
177.5°	37.1
180°	37.1

(END OF REPORT)