

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: P1505376

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505376
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 (6500K_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

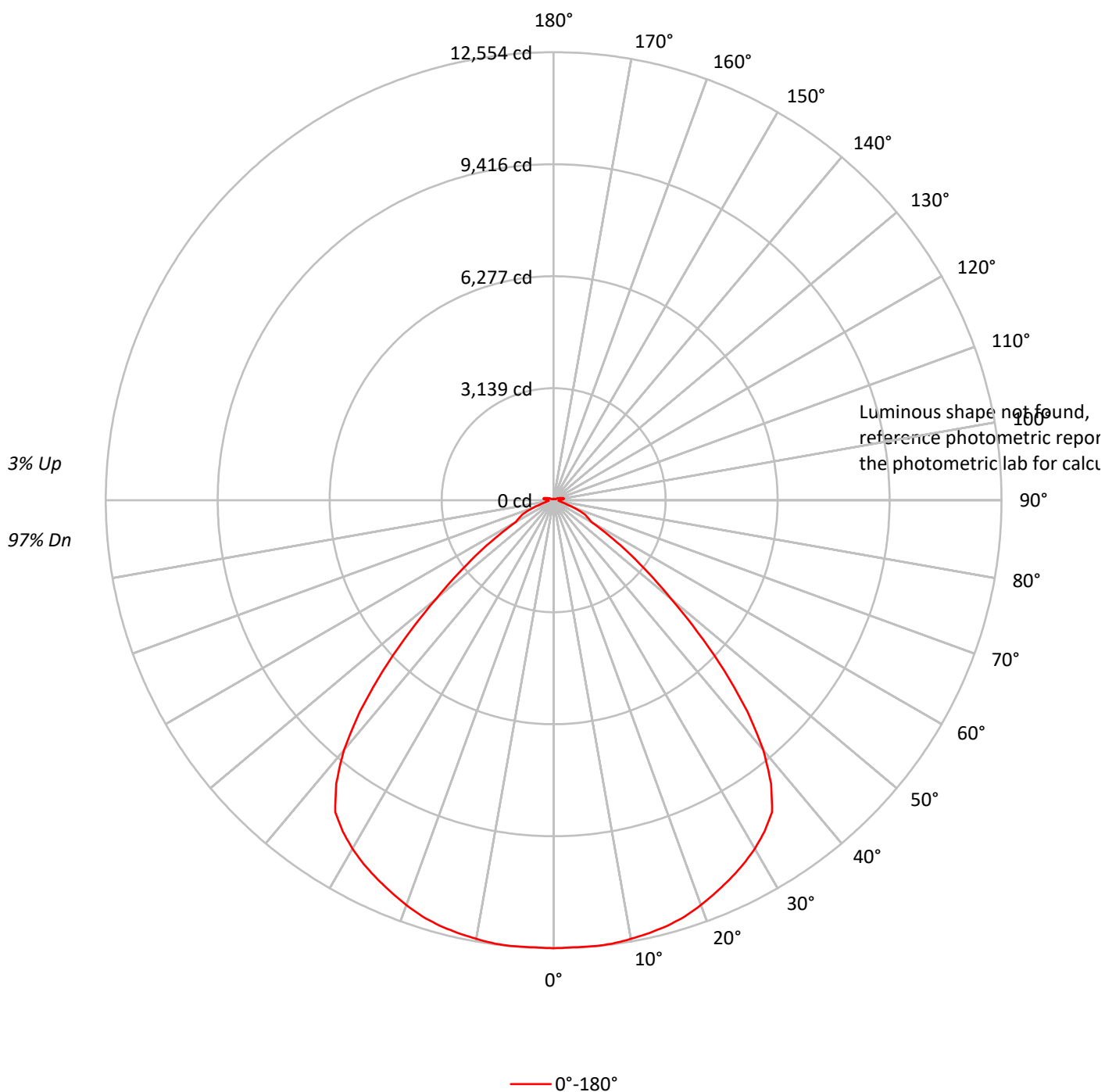
Lumens per Lamp: N/A
Luminaire Lumens: 26389.2 lumens
Efficiency: N/A
Efficacy: 165.1 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 159.8
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	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°	1195.9	4.5
10°-20°	3485.6	13.2
20°-30°	5402.5	20.5
30°-40°	6553.6	24.8
40°-50°	5179.0	19.6
50°-60°	2325.3	8.8
60°-70°	938.6	3.6
70°-80°	349.1	1.3
80°-90°	165.5	0.6
90°-100°	263.6	1.0
100°-110°	258.4	1.0
110°-120°	121.4	0.5
120°-130°	50.5	0.2
130°-140°	36.2	0.1
140°-150°	29.1	0.1
150°-160°	20.2	0.1
160°-170°	11.3	0.0
170°-180°	3.5	0.0
0°-30°	10083.9	38.2
0°-40°	16637.5	63.0
0°-60°	24141.8	91.5
0°-90°	25594.9	97.0
90°-120°	643.3	2.4
90°-150°	759.2	2.9
90°-180°	794.0	3.0
0°-180°	26389.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12554	
5°	12548	###
15°	12342	3486
25°	11708	5403
35°	10672	6554
45°	6771	5179
55°	2546	2325
65°	986	939
75°	297	349
85°	138	123
90°	164	93
95°	252	213
105°	249	258
115°	118	121
125°	53	51
135°	47	36
145°	46	29
155°	43	20
165°	40	11
175°	37	4
180°	38	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12553.5
2.5°	12540.8
5°	12547.6
7.5°	12535.7
10°	12480.7
12.5°	12418.0
15°	12341.7
17.5°	12229.8
20°	12071.4
22.5°	11891.7
25°	11707.8
27.5°	11506.1
30°	11276.5
32.5°	11000.2
35°	10672.3
37.5°	10007.9
40°	9143.6
42.5°	8042.8
45°	6770.8
47.5°	5485.3
50°	4298.1
52.5°	3343.9
55°	2546.5
57.5°	1827.9
60°	1233.8
62.5°	1091.5
65°	986.4
67.5°	805.9
70°	594.0
72.5°	410.1
75°	296.6
77.5°	230.5
80°	183.0
82.5°	152.5
85°	138.1
87.5°	142.4
90°	164.4
92.5°	207.6
95°	251.7
97.5°	281.3
100°	288.1
102.5°	274.6
105°	249.1
107.5°	216.9
110°	181.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	148.3
115°	117.8
117.5°	92.4
120°	74.6
122.5°	61.9
125°	53.4
127.5°	48.3
130°	46.6
132.5°	45.8
135°	46.6
137.5°	47.5
140°	47.5
142.5°	47.5
145°	45.8
147.5°	45.8
150°	44.9
152.5°	44.1
155°	43.2
157.5°	43.2
160°	42.4
162.5°	41.5
165°	39.8
167.5°	38.1
170°	36.4
172.5°	36.4
175°	37.3
177.5°	38.1
180°	38.1

(END OF REPORT)