

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: P1505007

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (5000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505007
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 (5000K_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

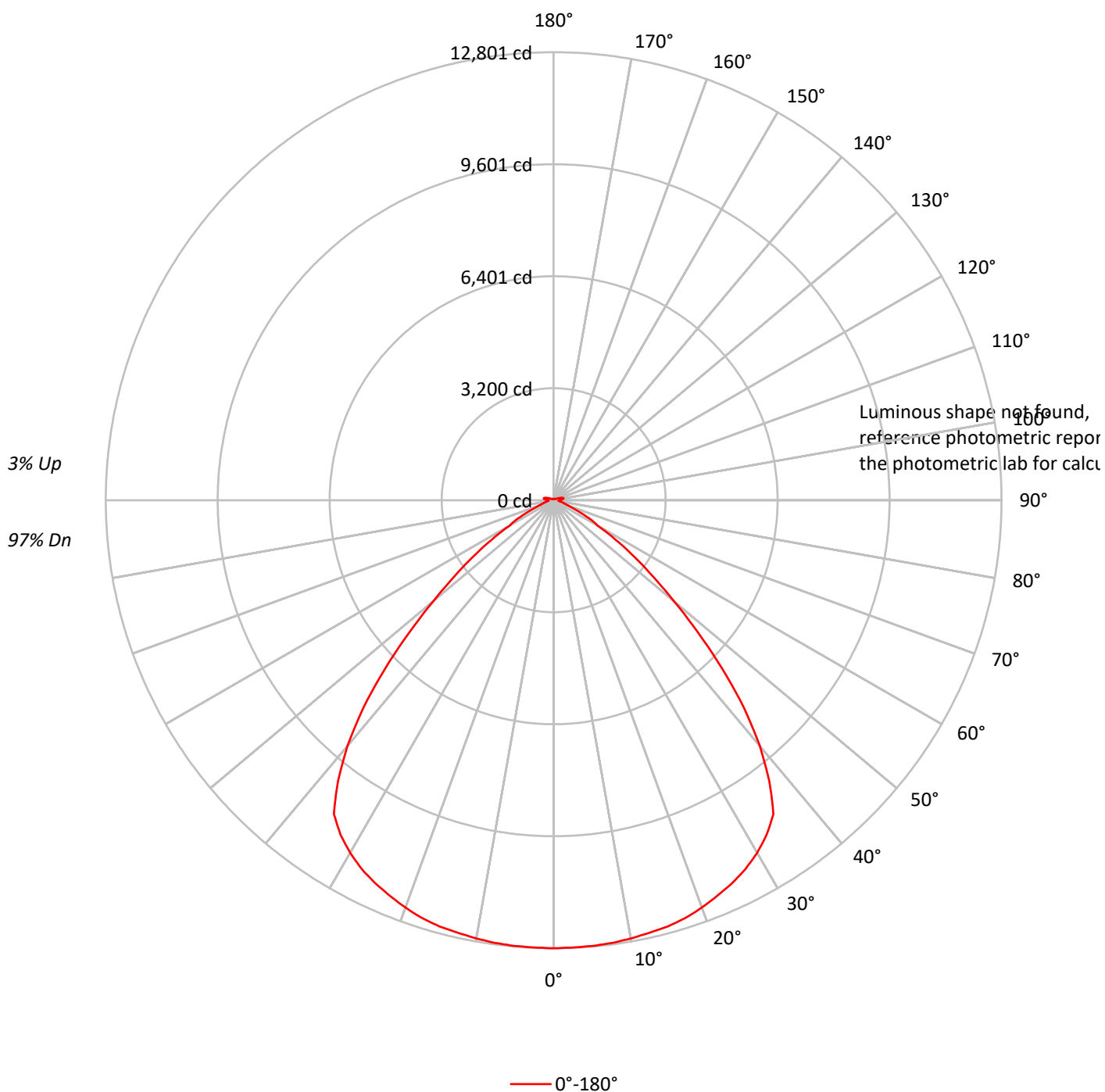
Lumens per Lamp: N/A
Luminaire Lumens: 26994.0 lumens
Efficiency: N/A
Efficacy: 172.6 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 156.4
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





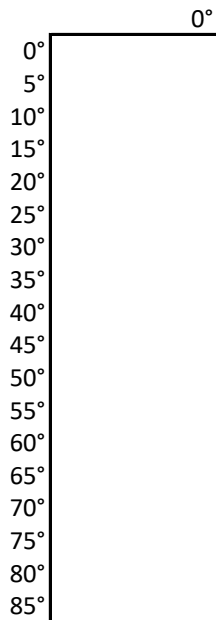
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	1218.0	4.5
10°-20°	3562.3	13.2
20°-30°	5566.9	20.6
30°-40°	6693.0	24.8
40°-50°	5235.8	19.4
50°-60°	2544.1	9.4
60°-70°	891.4	3.3
70°-80°	305.6	1.1
80°-90°	163.7	0.6
90°-100°	251.9	0.9
100°-110°	269.8	1.0
110°-120°	131.8	0.5
120°-130°	54.1	0.2
130°-140°	37.7	0.1
140°-150°	31.6	0.1
150°-160°	22.1	0.1
160°-170°	11.2	0.0
170°-180°	3.0	0.0
0°-30°	10347.2	38.3
0°-40°	17040.2	63.1
0°-60°	24820.1	91.9
0°-90°	26180.8	97.0
90°-120°	653.4	2.4
90°-150°	776.9	2.9
90°-180°	813.0	3.0
0°-180°	26994.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12801	
5°	12782	###
15°	12605	3562
25°	12072	5567
35°	10949	6693
45°	6830	5236
55°	2813	2544
65°	881	891
75°	281	306
85°	136	124
90°	156	88
95°	236	204
105°	262	270
115°	128	132
125°	57	54
135°	49	38
145°	50	32
155°	48	22
165°	39	11
175°	30	3
180°	29	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12800.8
2.5°	12788.6
5°	12782.5
7.5°	12759.1
10°	12714.8
12.5°	12656.6
15°	12605.3
17.5°	12517.6
20°	12386.5
22.5°	12233.6
25°	12072.1
27.5°	11878.4
30°	11633.5
32.5°	11333.0
35°	10949.1
37.5°	10126.7
40°	9163.5
42.5°	8053.6
45°	6829.8
47.5°	5597.5
50°	4481.4
52.5°	3570.4
55°	2813.1
57.5°	2100.0
60°	1466.0
62.5°	1195.0
65°	880.7
67.5°	599.3
70°	424.7
72.5°	336.1
75°	281.4
77.5°	234.5
80°	188.5
82.5°	154.6
85°	136.4
87.5°	137.2
90°	155.5
92.5°	193.7
95°	236.2
97.5°	271.8
100°	289.2
102.5°	283.1
105°	262.3
107.5°	231.0
110°	195.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	159.8
115°	128.5
117.5°	101.6
120°	80.8
122.5°	66.9
125°	57.3
127.5°	51.2
130°	48.6
132.5°	47.8
135°	48.6
137.5°	49.5
140°	49.5
142.5°	50.4
145°	50.4
147.5°	50.4
150°	50.4
152.5°	49.5
155°	47.8
157.5°	46.0
160°	44.3
162.5°	41.7
165°	39.1
167.5°	36.5
170°	33.9
172.5°	32.1
175°	30.4
177.5°	29.5
180°	28.7

(END OF REPORT)