

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: P1505051

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (5000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505051
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-88)
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-TRWH-PS (5000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

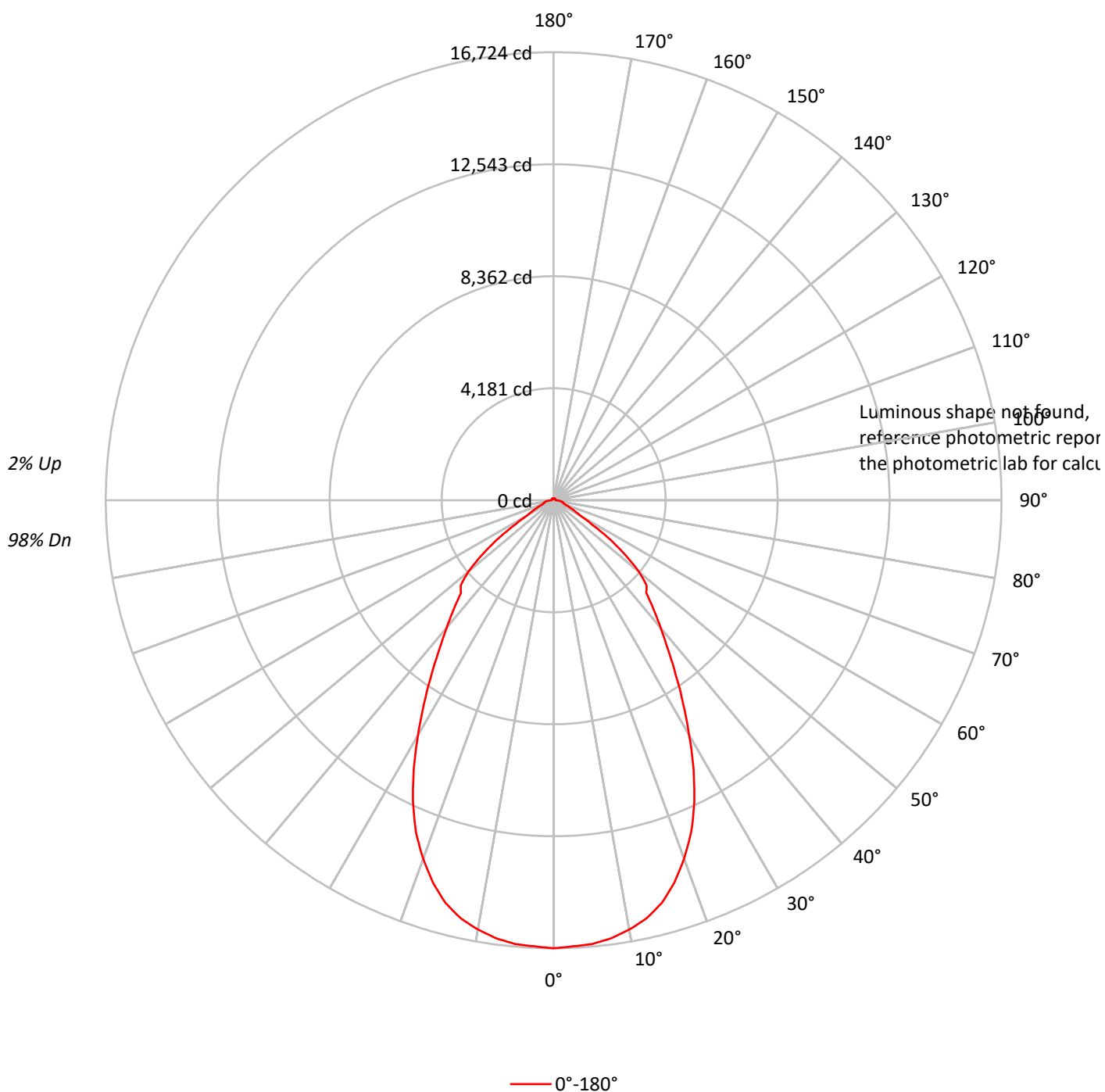
Lumens per Lamp: N/A
Luminaire Lumens: 24599.9 lumens
Efficiency: N/A
Efficacy: 157.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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





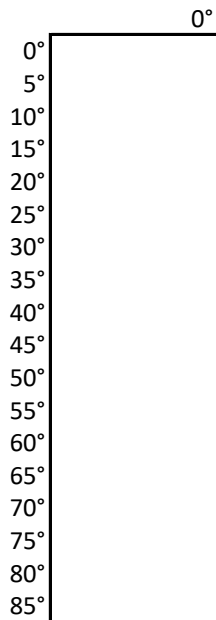
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	108	104	101	108	105	102	100	101	98	96	97	95	93	93	91	90	88		
2	104	97	92	88	101	96	91	87	92	88	85	89	85	82	85	83	80	78		
3	97	89	82	77	94	87	81	76	84	79	75	81	77	73	78	75	72	70		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	72	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	63	59	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52		
7	74	63	55	50	72	62	55	50	60	54	50	59	53	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	46	55	49	45	54	49	45	43		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	42	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1575.6	6.4
10°-20°	4349.7	17.7
20°-30°	5653.2	23.0
30°-40°	4994.0	20.3
40°-50°	3913.2	15.9
50°-60°	2319.9	9.4
60°-70°	738.5	3.0
70°-80°	393.4	1.6
80°-90°	216.0	0.9
90°-100°	82.0	0.3
100°-110°	80.0	0.3
110°-120°	73.8	0.3
120°-130°	64.4	0.3
130°-140°	53.9	0.2
140°-150°	44.6	0.2
150°-160°	29.8	0.1
160°-170°	14.1	0.1
170°-180°	3.9	0.0
0°-30°	11578.5	47.1
0°-40°	16572.5	67.4
0°-60°	22805.6	92.7
0°-90°	24153.5	98.2
90°-120°	235.8	1.0
90°-150°	398.7	1.6
90°-180°	446.0	1.8
0°-180°	24599.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16724	
5°	16625	###
15°	15576	4350
25°	12430	5653
35°	7945	4994
45°	4894	3913
55°	2613	2320
65°	719	738
75°	370	393
85°	202	186
90°	77	50
95°	75	61
105°	76	80
115°	75	74
125°	72	64
135°	70	54
145°	71	45
155°	63	30
165°	49	14
175°	39	4
180°	39	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16723.8
2.5°	16668.2
5°	16624.7
7.5°	16491.0
10°	16273.0
12.5°	15988.1
15°	15575.6
17.5°	14971.1
20°	14241.6
22.5°	13420.0
25°	12429.9
27.5°	11308.7
30°	10122.3
32.5°	9002.8
35°	7945.0
37.5°	6995.7
40°	6205.4
42.5°	5528.0
45°	4894.0
47.5°	4709.0
50°	4161.8
52.5°	3417.5
55°	2613.3
57.5°	1771.7
60°	1158.6
62.5°	924.9
65°	719.1
67.5°	548.9
70°	444.7
72.5°	396.9
75°	370.0
77.5°	345.7
80°	308.3
82.5°	260.5
85°	201.5
87.5°	138.1
90°	77.3
92.5°	73.8
95°	74.7
97.5°	75.6
100°	75.6
102.5°	75.6
105°	75.6
107.5°	75.6
110°	75.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	74.7
115°	74.7
117.5°	73.8
120°	73.0
122.5°	72.1
125°	72.1
127.5°	71.2
130°	70.3
132.5°	69.5
135°	69.5
137.5°	69.5
140°	69.5
142.5°	70.3
145°	71.2
147.5°	72.1
150°	72.1
152.5°	67.7
155°	63.4
157.5°	59.9
160°	56.5
162.5°	52.1
165°	48.6
167.5°	46.0
170°	43.4
172.5°	40.8
175°	39.1
177.5°	38.2
180°	39.1

(END OF REPORT)