

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: P1505006

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505006
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-82)
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_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

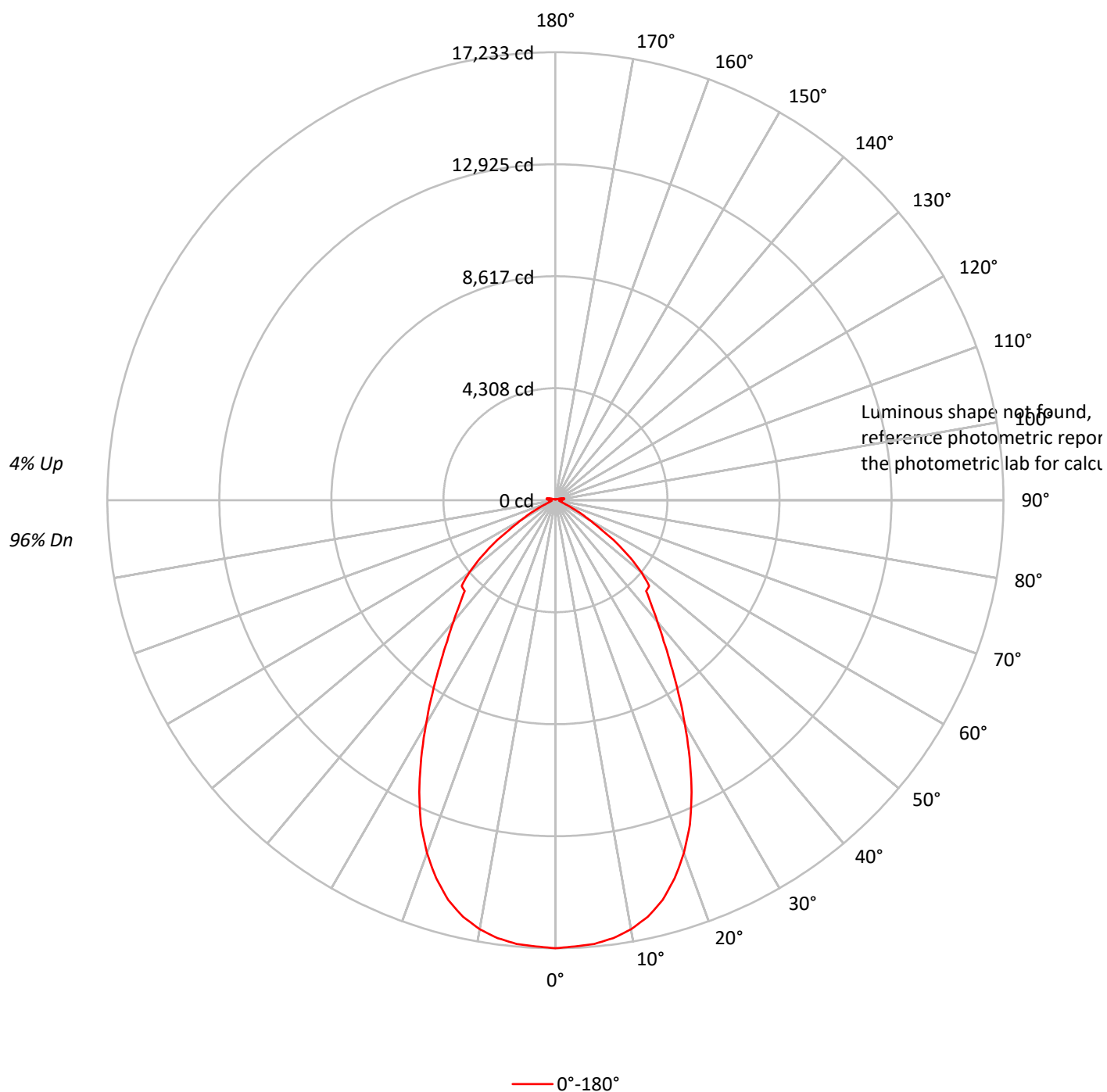
Lumens per Lamp: N/A
Luminaire Lumens: 25188.3 lumens
Efficiency: N/A
Efficacy: 161.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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	96		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	103	97	92	88	101	95	90	87	91	87	84	88	84	82	84	82	79	77		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	77	74	71	69		
4	90	80	74	68	88	79	73	68	76	71	66	74	69	65	71	67	64	62		
5	84	74	66	61	82	72	66	61	70	64	60	68	63	59	66	61	58	56		
6	79	68	60	55	77	67	60	55	65	59	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	46		
8	69	58	51	46	68	57	50	46	56	49	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	49	44	41	39		
10	62	50	43	39	60	50	43	39	49	43	38	47	42	38	46	41	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1623.3	6.4
10°-20°	4443.3	17.6
20°-30°	5639.3	22.4
30°-40°	4885.7	19.4
40°-50°	3952.9	15.7
50°-60°	2545.6	10.1
60°-70°	782.2	3.1
70°-80°	251.8	1.0
80°-90°	180.1	0.7
90°-100°	316.7	1.3
100°-110°	301.3	1.2
110°-120°	128.0	0.5
120°-130°	47.9	0.2
130°-140°	31.4	0.1
140°-150°	26.3	0.1
150°-160°	18.9	0.1
160°-170°	10.5	0.0
170°-180°	3.2	0.0
0°-30°	11705.8	46.5
0°-40°	16591.6	65.9
0°-60°	23090.1	91.7
0°-90°	24304.1	96.5
90°-120°	745.9	3.0
90°-150°	851.5	3.4
90°-180°	884.0	3.5
0°-180°	25188.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17233	
5°	17133	###
15°	15918	4443
25°	12391	5639
35°	7737	4886
45°	4936	3953
55°	2873	2546
65°	722	782
75°	234	252
85°	150	129
90°	205	114
95°	300	254
105°	292	301
115°	122	128
125°	50	48
135°	40	31
145°	42	26
155°	41	19
165°	36	10
175°	34	3
180°	33	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17232.7
2.5°	17179.7
5°	17132.8
7.5°	16989.5
10°	16755.9
12.5°	16412.8
15°	15917.8
17.5°	15243.0
20°	14441.3
22.5°	13504.2
25°	12390.8
27.5°	11174.1
30°	9953.8
32.5°	8807.4
35°	7737.4
37.5°	6841.1
40°	6099.4
42.5°	5460.2
45°	4935.7
47.5°	4892.2
50°	4324.2
52.5°	3629.4
55°	2873.0
57.5°	2055.7
60°	1485.1
62.5°	1092.6
65°	721.7
67.5°	461.2
70°	329.2
72.5°	267.5
75°	233.6
77.5°	202.4
80°	172.0
82.5°	151.1
85°	150.2
87.5°	170.2
90°	205.0
92.5°	253.6
95°	300.5
97.5°	333.5
100°	343.1
102.5°	326.6
105°	291.8
107.5°	246.7
110°	200.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	158.1
115°	122.5
117.5°	94.7
120°	73.8
122.5°	59.9
125°	50.4
127.5°	44.3
130°	41.7
132.5°	40.0
135°	40.0
137.5°	40.8
140°	40.8
142.5°	41.7
145°	41.7
147.5°	42.6
150°	42.6
152.5°	41.7
155°	40.8
157.5°	40.0
160°	39.1
162.5°	38.2
165°	36.5
167.5°	35.6
170°	34.7
172.5°	33.9
175°	33.9
177.5°	33.0
180°	33.0

(END OF REPORT)