

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: P1505366

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505366
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-94)
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 (5000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

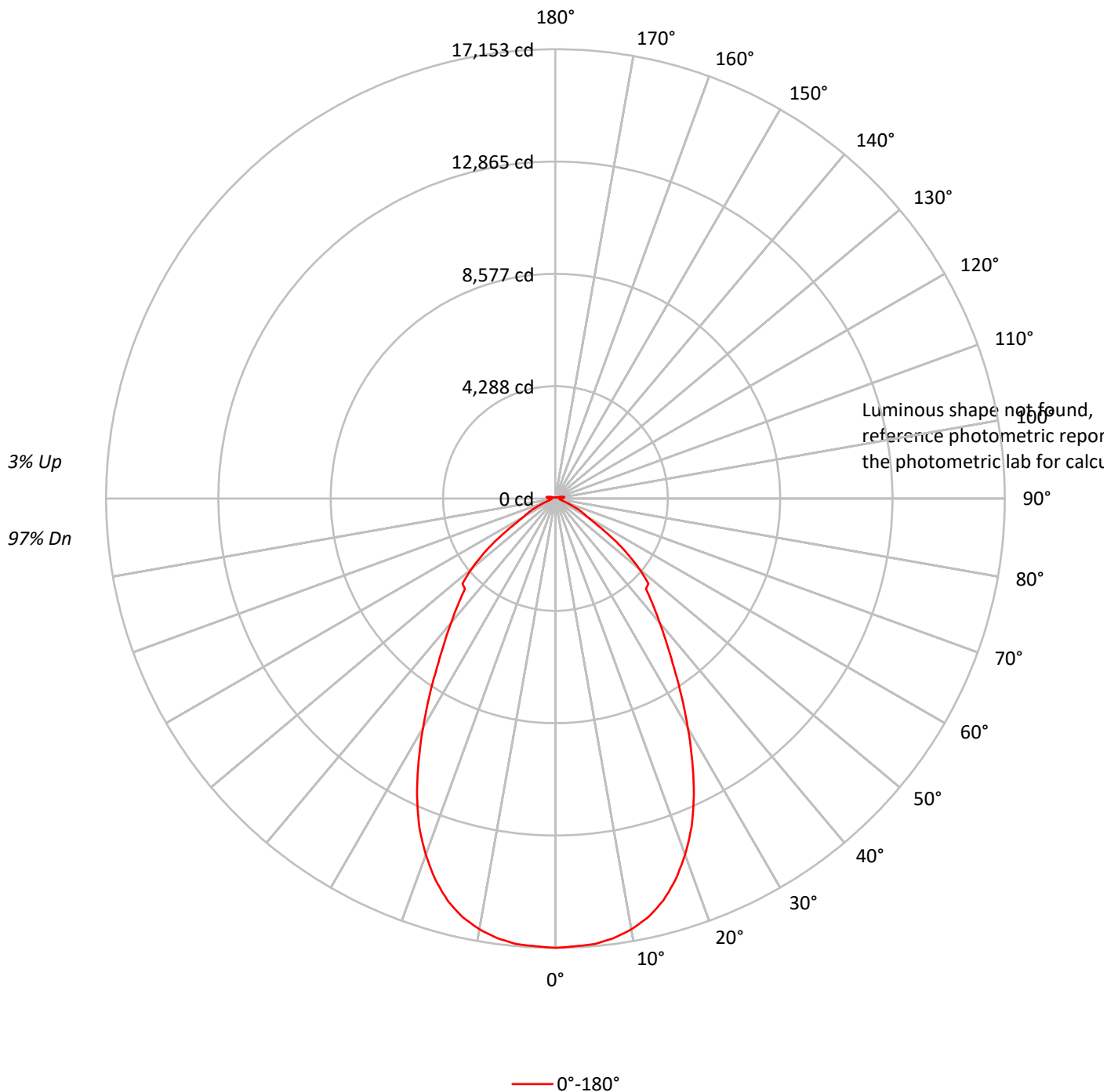
Lumens per Lamp: N/A
Luminaire Lumens: 25272.7 lumens
Efficiency: N/A
Efficacy: 161.6 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

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	96	96	94	92	92	90	89	87		
2	103	97	92	88	101	95	90	86	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	73	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	45	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°	1617.6	6.4
10°-20°	4439.6	17.6
20°-30°	5689.8	22.5
30°-40°	4971.5	19.7
40°-50°	3928.4	15.5
50°-60°	2418.4	9.6
60°-70°	892.1	3.5
70°-80°	266.1	1.1
80°-90°	182.9	0.7
90°-100°	330.0	1.3
100°-110°	286.6	1.1
110°-120°	117.1	0.5
120°-130°	44.4	0.2
130°-140°	30.6	0.1
140°-150°	25.0	0.1
150°-160°	18.2	0.1
160°-170°	10.7	0.0
170°-180°	3.6	0.0
0°-30°	11747.1	46.5
0°-40°	16718.5	66.2
0°-60°	23065.4	91.3
0°-90°	24406.5	96.6
90°-120°	733.7	2.9
90°-150°	833.8	3.3
90°-180°	866.0	3.4
0°-180°	25272.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17153	
5°	17075	###
15°	15895	4440
25°	12502	5690
35°	7882	4971
45°	4881	3928
55°	2711	2418
65°	903	892
75°	230	266
85°	153	129
90°	218	121
95°	318	263
105°	275	287
115°	111	117
125°	47	44
135°	39	31
145°	40	25
155°	39	18
165°	37	11
175°	38	4
180°	40	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17152.8
2.5°	17112.0
5°	17074.6
7.5°	16931.3
10°	16701.2
12.5°	16368.5
15°	15895.2
17.5°	15250.8
20°	14473.5
22.5°	13575.5
25°	12502.0
27.5°	11317.4
30°	10111.9
32.5°	8953.3
35°	7882.5
37.5°	6974.9
40°	6191.5
42.5°	5507.1
45°	4880.9
47.5°	4810.6
50°	4184.4
52.5°	3464.4
55°	2711.4
57.5°	1922.0
60°	1407.0
62.5°	1174.2
65°	903.2
67.5°	629.7
70°	421.2
72.5°	294.4
75°	230.2
77.5°	192.8
80°	163.3
82.5°	149.4
85°	152.9
87.5°	177.2
90°	218.0
92.5°	271.0
95°	317.9
97.5°	343.1
100°	338.7
102.5°	312.7
105°	275.3
107.5°	231.0
110°	185.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	145.0
115°	111.2
117.5°	86.0
120°	67.7
122.5°	54.7
125°	46.9
127.5°	41.7
130°	40.0
132.5°	39.1
135°	39.1
137.5°	40.0
140°	40.0
142.5°	40.0
145°	40.0
147.5°	39.1
150°	40.0
152.5°	39.1
155°	39.1
157.5°	39.1
160°	39.1
162.5°	38.2
165°	37.3
167.5°	37.3
170°	36.5
172.5°	37.3
175°	38.2
177.5°	40.0
180°	40.0

(END OF REPORT)