

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: P1505381

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (6500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505381
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 (6500K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

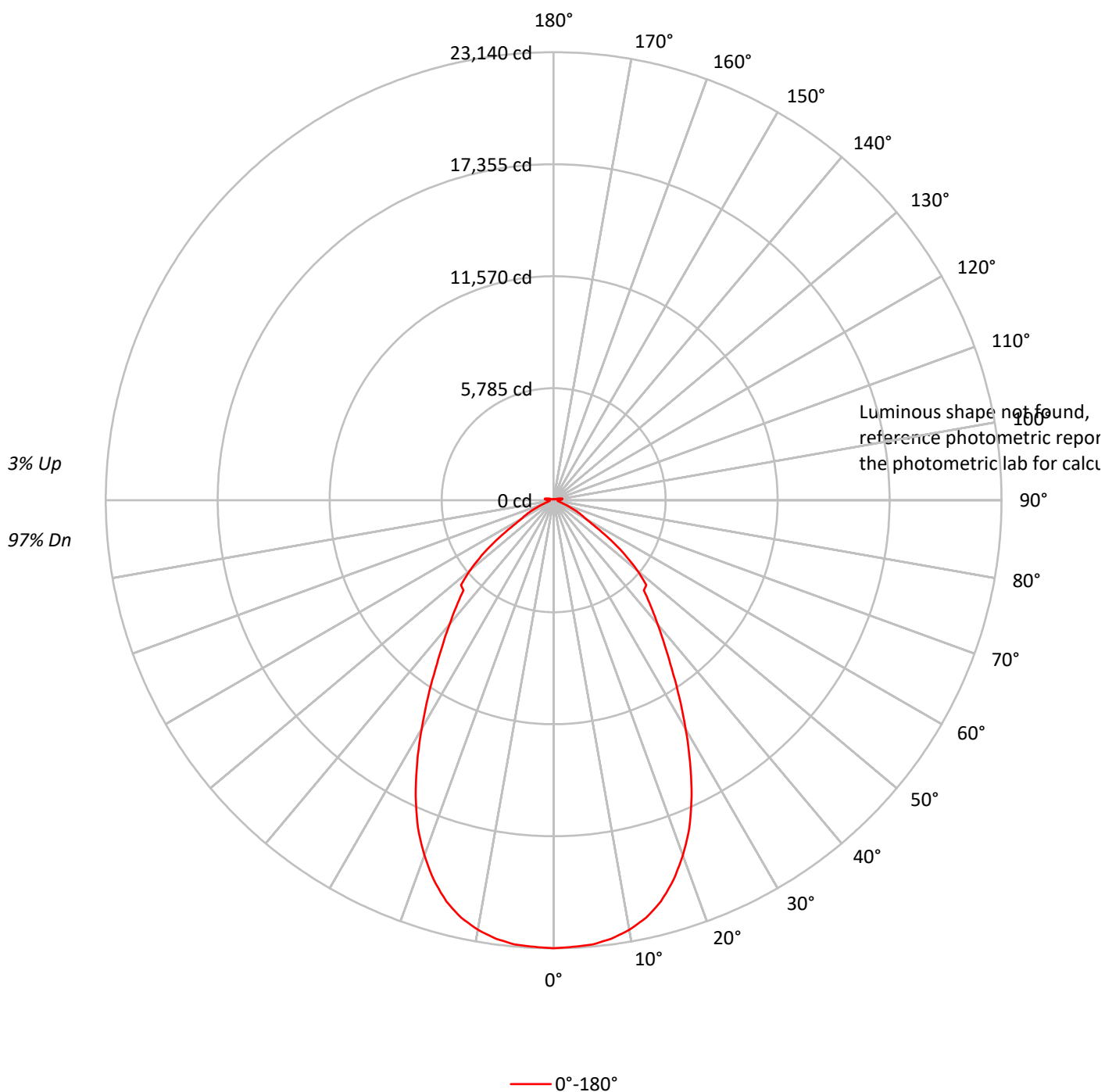
Lumens per Lamp: N/A
Luminaire Lumens: 34094.4 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 239.6
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





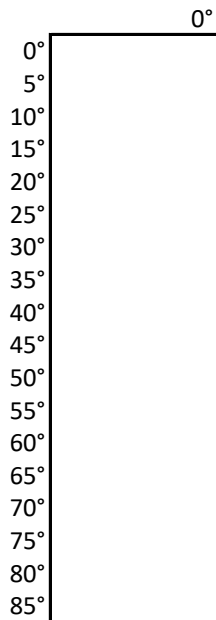
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	2182.3	6.4
10°-20°	5989.4	17.6
20°-30°	7675.9	22.5
30°-40°	6706.9	19.7
40°-50°	5299.7	15.5
50°-60°	3262.6	9.6
60°-70°	1203.6	3.5
70°-80°	359.0	1.1
80°-90°	246.6	0.7
90°-100°	445.1	1.3
100°-110°	386.6	1.1
110°-120°	158.0	0.5
120°-130°	60.0	0.2
130°-140°	41.3	0.1
140°-150°	33.7	0.1
150°-160°	24.5	0.1
160°-170°	14.5	0.0
170°-180°	4.9	0.0
0°-30°	15847.6	46.5
0°-40°	22554.4	66.2
0°-60°	31116.8	91.3
0°-90°	32925.9	96.6
90°-120°	989.8	2.9
90°-150°	1124.7	3.3
90°-180°	1168.0	3.4
0°-180°	34094.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23140	
5°	23035	###
15°	21444	5989
25°	16866	7676
35°	10634	6707
45°	6585	5300
55°	3658	3263
65°	1218	1204
75°	310	359
85°	206	174
90°	294	163
95°	429	355
105°	371	387
115°	150	158
125°	63	60
135°	53	41
145°	54	34
155°	53	24
165°	50	14
175°	52	5
180°	54	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23140.3
2.5°	23085.2
5°	23034.8
7.5°	22841.5
10°	22531.0
12.5°	22082.3
15°	21443.7
17.5°	20574.3
20°	19525.7
22.5°	18314.2
25°	16866.0
27.5°	15267.9
30°	13641.6
32.5°	12078.6
35°	10634.0
37.5°	9409.6
40°	8352.8
42.5°	7429.5
45°	6584.7
47.5°	6489.8
50°	5645.1
52.5°	4673.7
55°	3657.9
57.5°	2592.9
60°	1898.1
62.5°	1584.1
65°	1218.5
67.5°	849.5
70°	568.3
72.5°	397.2
75°	310.5
77.5°	260.1
80°	220.3
82.5°	201.5
85°	206.2
87.5°	239.0
90°	294.1
92.5°	365.6
95°	428.8
97.5°	462.8
100°	456.9
102.5°	421.8
105°	371.4
107.5°	311.7
110°	250.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	195.7
115°	150.0
117.5°	116.0
120°	91.4
122.5°	73.8
125°	63.3
127.5°	56.2
130°	53.9
132.5°	52.7
135°	52.7
137.5°	53.9
140°	53.9
142.5°	53.9
145°	53.9
147.5°	52.7
150°	53.9
152.5°	52.7
155°	52.7
157.5°	52.7
160°	52.7
162.5°	51.6
165°	50.4
167.5°	50.4
170°	49.2
172.5°	50.4
175°	51.6
177.5°	53.9
180°	53.9

(END OF REPORT)