

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: P1505174

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505174
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-106)
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-06-CLER-PS (3500K_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

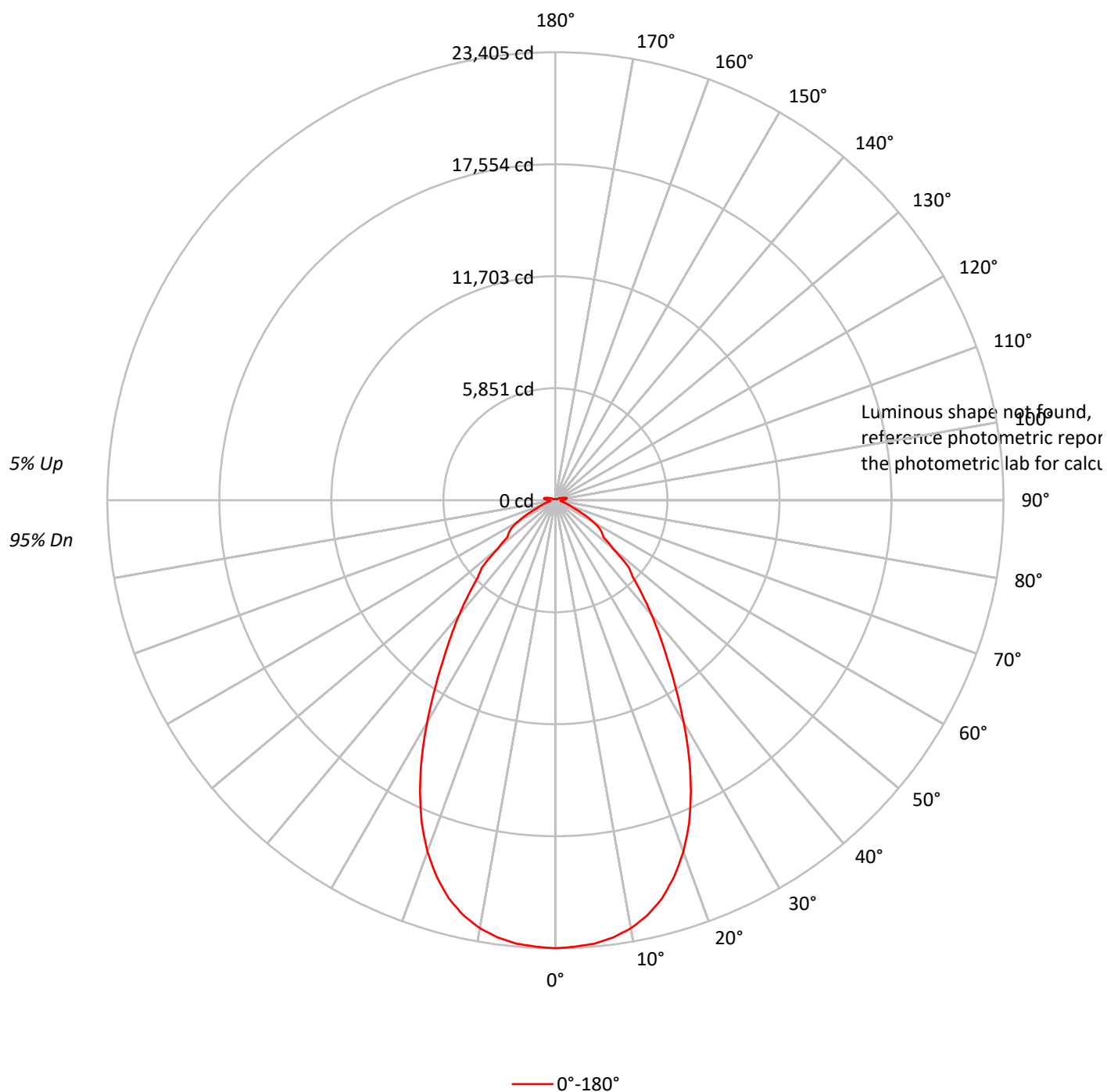
Lumens per Lamp: N/A
Luminaire Lumens: 33330.9 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 235.4
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





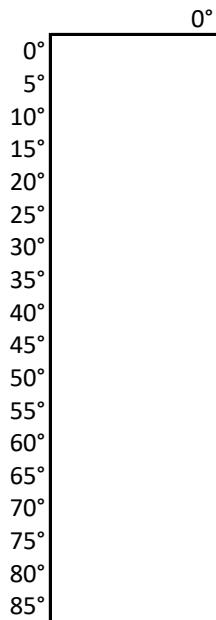
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	108	108	108	103	103	103	98	98	98	95		
1	110	107	104	101	107	104	101	99	99	97	95	95	93	91	90	89	87	85		
2	103	97	91	87	100	95	90	86	90	86	83	87	83	81	83	80	78	76		
3	96	88	82	76	93	86	80	76	83	78	74	79	75	72	76	73	70	68		
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	61		
5	84	74	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	56		
6	79	68	60	55	77	67	60	55	64	58	54	63	57	53	61	56	52	51		
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	56	52	48	46		
8	69	58	51	46	68	57	51	46	56	50	45	54	49	45	53	48	44	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	44	39	49	43	39	48	42	38	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°	2202.0	6.6
10°-20°	6011.6	18.0
20°-30°	7618.4	22.9
30°-40°	6452.0	19.4
40°-50°	4523.8	13.6
50°-60°	2676.7	8.0
60°-70°	1408.8	4.2
70°-80°	528.9	1.6
80°-90°	321.1	1.0
90°-100°	566.6	1.7
100°-110°	518.5	1.6
110°-120°	228.6	0.7
120°-130°	95.3	0.3
130°-140°	66.6	0.2
140°-150°	52.0	0.2
150°-160°	36.0	0.1
160°-170°	18.7	0.1
170°-180°	5.4	0.0
0°-30°	15831.9	47.5
0°-40°	22283.9	66.9
0°-60°	29484.4	88.5
0°-90°	31743.3	95.2
90°-120°	1313.7	3.9
90°-150°	1527.6	4.6
90°-180°	1588.0	4.8
0°-180°	33330.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23405	
5°	23256	###
15°	21526	6012
25°	16746	7618
35°	10235	6452
45°	5753	4524
55°	2982	2677
65°	1357	1409
75°	491	529
85°	270	229
90°	368	205
95°	539	454
105°	495	518
115°	220	229
125°	101	95
135°	86	67
145°	82	52
155°	78	36
165°	65	19
175°	55	5
180°	55	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23404.7
2.5°	23343.0
5°	23255.9
7.5°	23035.0
10°	22704.9
12.5°	22209.7
15°	21526.1
17.5°	20618.3
20°	19537.2
22.5°	18246.9
25°	16746.2
27.5°	15108.3
30°	13384.4
32.5°	11731.4
35°	10235.3
37.5°	8955.5
40°	7804.7
42.5°	6735.2
45°	5752.9
47.5°	5200.8
50°	3936.0
52.5°	3150.2
55°	2981.7
57.5°	2716.6
60°	2335.4
62.5°	1832.0
65°	1356.6
67.5°	985.8
70°	753.3
72.5°	608.0
75°	490.6
77.5°	380.1
80°	302.2
82.5°	266.2
85°	269.7
87.5°	305.7
90°	368.5
92.5°	454.5
95°	539.4
97.5°	597.5
100°	605.6
102.5°	561.5
105°	495.2
107.5°	423.1
110°	347.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	279.0
115°	219.7
117.5°	173.2
120°	140.7
122.5°	116.2
125°	101.1
127.5°	91.8
130°	87.2
132.5°	86.0
135°	86.0
137.5°	86.0
140°	84.9
142.5°	83.7
145°	82.5
147.5°	81.4
150°	81.4
152.5°	79.0
155°	77.9
157.5°	75.6
160°	73.2
162.5°	68.6
165°	65.1
167.5°	61.6
170°	58.1
172.5°	57.0
175°	54.6
177.5°	54.6
180°	54.6

(END OF REPORT)