

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: P1505210

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505210
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-112)
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-TRWH-PS (3000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

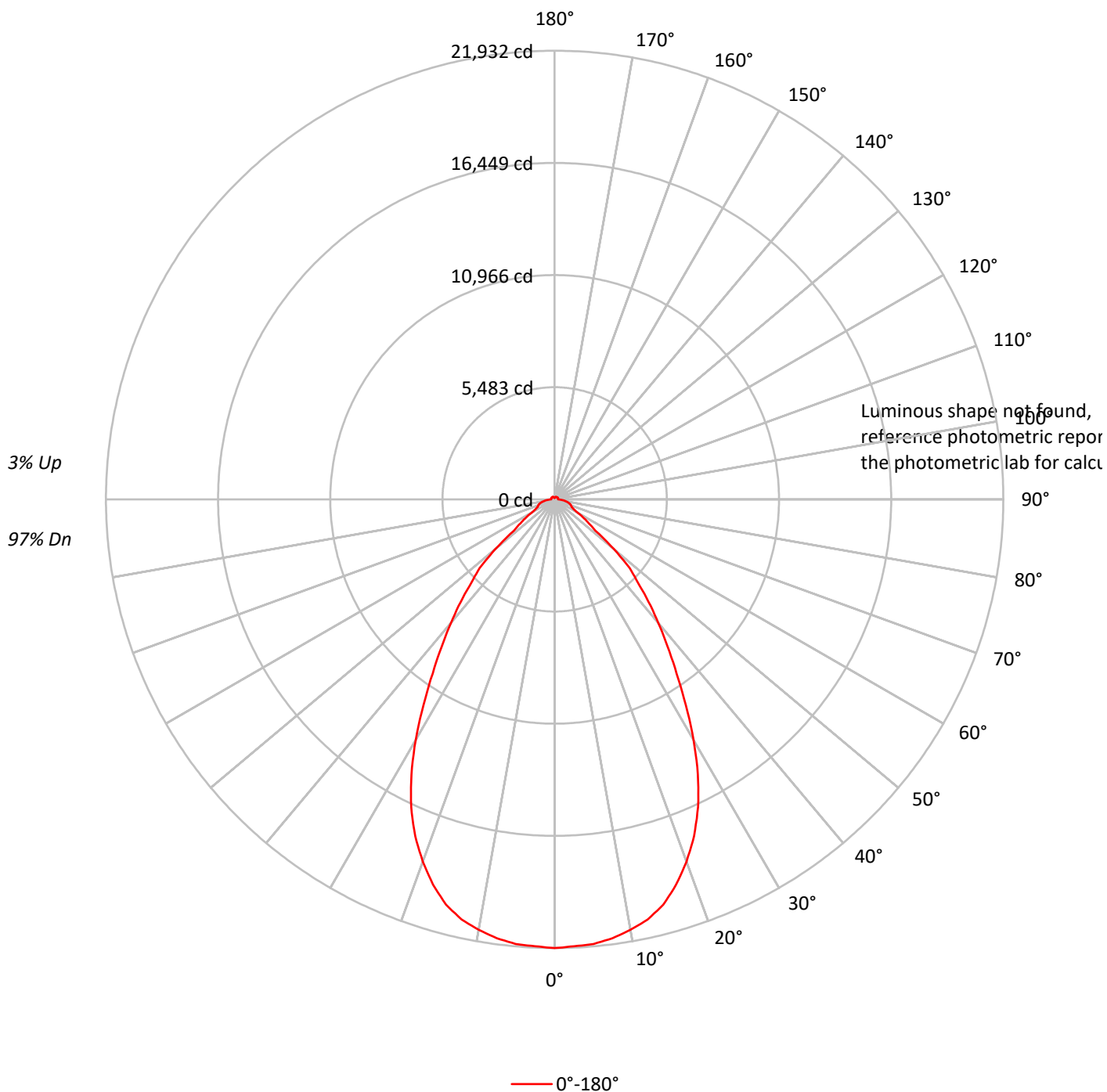
Lumens per Lamp: N/A
Luminaire Lumens: 31450.4 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 237.6
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





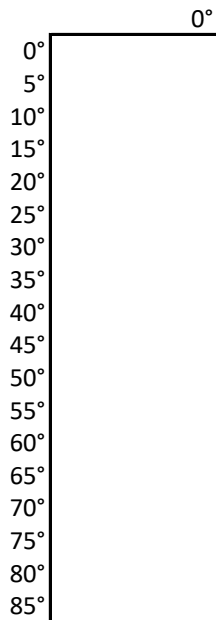
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	97	95	95	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	97	88	82	77	94	87	81	76	84	79	75	81	76	73	78	74	71	69		
4	90	81	74	69	88	79	73	68	77	71	67	74	70	66	72	68	65	63		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	62	59	57		
6	79	69	61	56	77	68	61	56	66	60	55	64	58	54	62	57	54	52		
7	75	63	56	51	73	63	56	51	61	55	50	59	54	50	58	53	49	48		
8	70	59	52	47	69	58	51	47	57	51	46	55	50	46	54	49	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	46	42	51	46	42	41		
10	63	51	45	40	61	51	44	40	50	44	40	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2067.7	6.6
10°-20°	5731.5	18.2
20°-30°	7539.1	24.0
30°-40°	6543.5	20.8
40°-50°	4479.0	14.2
50°-60°	1943.7	6.2
60°-70°	979.9	3.1
70°-80°	768.7	2.4
80°-90°	403.2	1.3
90°-100°	185.7	0.6
100°-110°	182.4	0.6
110°-120°	168.8	0.5
120°-130°	146.3	0.5
130°-140°	120.0	0.4
140°-150°	94.5	0.3
150°-160°	61.3	0.2
160°-170°	28.0	0.1
170°-180°	7.2	0.0
0°-30°	15338.3	48.8
0°-40°	21881.8	69.6
0°-60°	28304.4	90.0
0°-90°	30456.2	96.8
90°-120°	536.9	1.7
90°-150°	897.6	2.9
90°-180°	994.0	3.2
0°-180°	31450.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21932	
5°	21817	###
15°	20510	5732
25°	16588	7539
35°	10396	6543
45°	5741	4479
55°	2042	1944
65°	940	980
75°	739	769
85°	371	343
90°	170	106
95°	170	139
105°	172	182
115°	170	169
125°	163	146
135°	154	120
145°	151	94
155°	132	61
165°	96	28
175°	73	7
180°	70	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	21932.3
2.5°	21864.3
5°	21816.6
7.5°	21638.5
10°	21367.3
12.5°	21029.3
15°	20509.7
17.5°	19751.8
20°	18839.7
22.5°	17809.5
25°	16587.7
27.5°	15158.2
30°	13585.7
32.5°	11923.7
35°	10395.5
37.5°	9059.1
40°	7879.2
42.5°	6794.6
45°	5740.6
47.5°	4976.0
50°	3792.7
52.5°	2511.8
55°	2042.1
57.5°	1651.8
60°	1295.6
62.5°	1060.8
65°	940.5
67.5°	884.9
70°	850.9
72.5°	803.2
75°	738.6
77.5°	659.1
80°	568.4
82.5°	472.0
85°	371.0
87.5°	267.7
90°	170.2
92.5°	167.9
95°	170.2
97.5°	171.3
100°	172.4
102.5°	172.4
105°	172.4
107.5°	172.4
110°	172.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	171.3
115°	170.2
117.5°	169.0
120°	166.8
122.5°	164.5
125°	163.4
127.5°	161.1
130°	158.8
132.5°	156.6
135°	154.3
137.5°	153.2
140°	152.0
142.5°	150.9
145°	150.9
147.5°	149.8
150°	147.5
152.5°	139.5
155°	131.6
157.5°	123.7
160°	114.6
162.5°	105.5
165°	96.4
167.5°	88.5
170°	82.8
172.5°	76.0
175°	72.6
177.5°	70.3
180°	70.3

(END OF REPORT)