

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: P1505200

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (6500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505200
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-107)
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 (6500K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

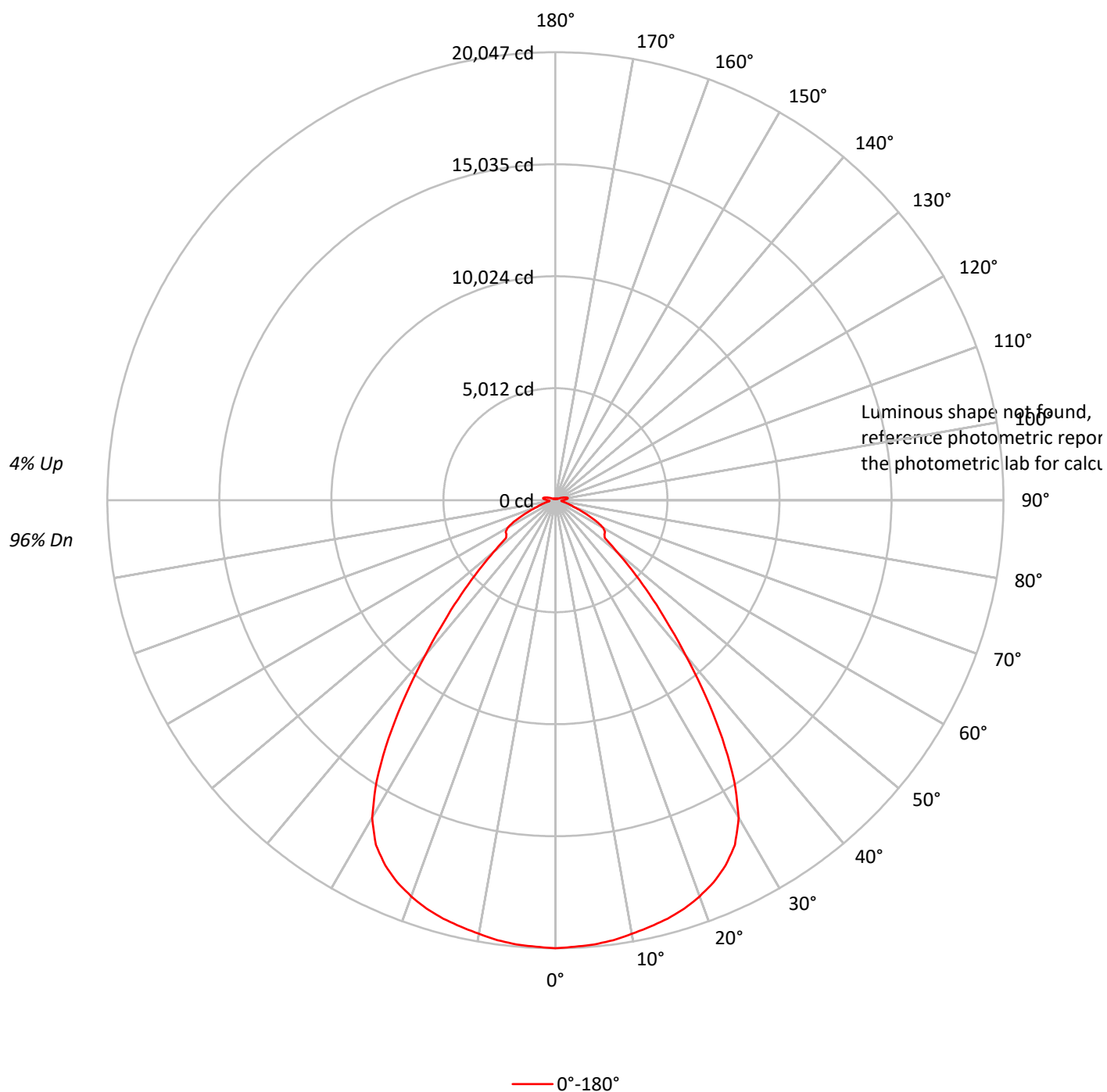
Lumens per Lamp: N/A
Luminaire Lumens: 34843.0 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.12
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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	103	103	103	98	98	98	96		
1	110	107	103	101	107	104	101	98	99	97	95	95	93	91	90	89	88	85		
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	83	80	78	76		
3	96	87	81	76	93	86	80	75	82	77	73	79	75	71	76	73	70	68		
4	89	80	73	67	87	78	72	67	75	70	65	73	68	64	70	66	63	61		
5	83	73	65	60	81	72	65	60	69	63	59	67	62	58	65	60	57	55		
6	78	67	59	54	76	66	59	54	64	58	53	62	56	52	60	55	52	50		
7	73	62	54	49	71	61	54	49	59	53	48	57	52	48	56	51	47	45		
8	69	57	50	45	67	56	49	45	55	48	44	53	48	44	52	47	43	41		
9	65	53	46	41	63	52	46	41	51	45	40	50	44	40	48	43	40	38		
10	61	49	42	38	60	49	42	38	48	42	37	46	41	37	45	40	37	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1896.6	5.4
10°-20°	5471.9	15.7
20°-30°	8246.5	23.7
30°-40°	8022.5	23.0
40°-50°	4647.2	13.3
50°-60°	2488.1	7.1
60°-70°	1631.8	4.7
70°-80°	603.6	1.7
80°-90°	311.7	0.9
90°-100°	514.0	1.5
100°-110°	489.0	1.4
110°-120°	226.1	0.6
120°-130°	100.1	0.3
130°-140°	73.4	0.2
140°-150°	56.8	0.2
150°-160°	38.7	0.1
160°-170°	19.6	0.1
170°-180°	5.3	0.0
0°-30°	15615.0	44.8
0°-40°	23637.5	67.8
0°-60°	30772.8	88.3
0°-90°	33319.9	95.6
90°-120°	1229.2	3.5
90°-150°	1459.5	4.2
90°-180°	1523.0	4.4
0°-180°	34843.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20047	
5°	19953	###
15°	19385	5472
25°	18024	8247
35°	13025	8022
45°	5939	4647
55°	2675	2488
65°	1629	1632
75°	553	604
85°	260	228
90°	330	184
95°	486	413
105°	468	489
115°	219	226
125°	107	100
135°	95	73
145°	90	57
155°	84	39
165°	68	20
175°	54	5
180°	53	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20047.1
2.5°	19995.5
5°	19953.3
7.5°	19853.8
10°	19700.3
12.5°	19545.6
15°	19385.1
17.5°	19166.0
20°	18862.5
22.5°	18501.7
25°	18023.6
27.5°	17387.4
30°	16396.2
32.5°	14893.0
35°	13025.3
37.5°	11019.5
40°	9061.6
42.5°	7369.7
45°	5939.1
47.5°	4663.2
50°	3594.6
52.5°	2785.0
55°	2674.9
57.5°	2633.9
60°	2466.3
62.5°	2094.9
65°	1628.6
67.5°	1209.2
70°	903.3
72.5°	703.0
75°	553.0
77.5°	419.5
80°	326.9
82.5°	274.2
85°	260.1
87.5°	280.0
90°	330.4
92.5°	405.4
95°	486.2
97.5°	548.3
100°	561.2
102.5°	526.1
105°	467.5
107.5°	403.1
110°	336.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	273.0
115°	219.1
117.5°	174.6
120°	142.9
122.5°	120.7
125°	106.6
127.5°	98.4
130°	94.9
132.5°	94.9
135°	94.9
137.5°	94.9
140°	93.7
142.5°	91.4
145°	90.2
147.5°	89.0
150°	87.9
152.5°	85.5
155°	84.4
157.5°	80.8
160°	77.3
162.5°	72.6
165°	68.0
167.5°	63.3
170°	59.8
172.5°	56.2
175°	53.9
177.5°	51.6
180°	52.7

(END OF REPORT)