

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: P1505542

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (4000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505542
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-119)
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-06-CLER-PS (4000K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

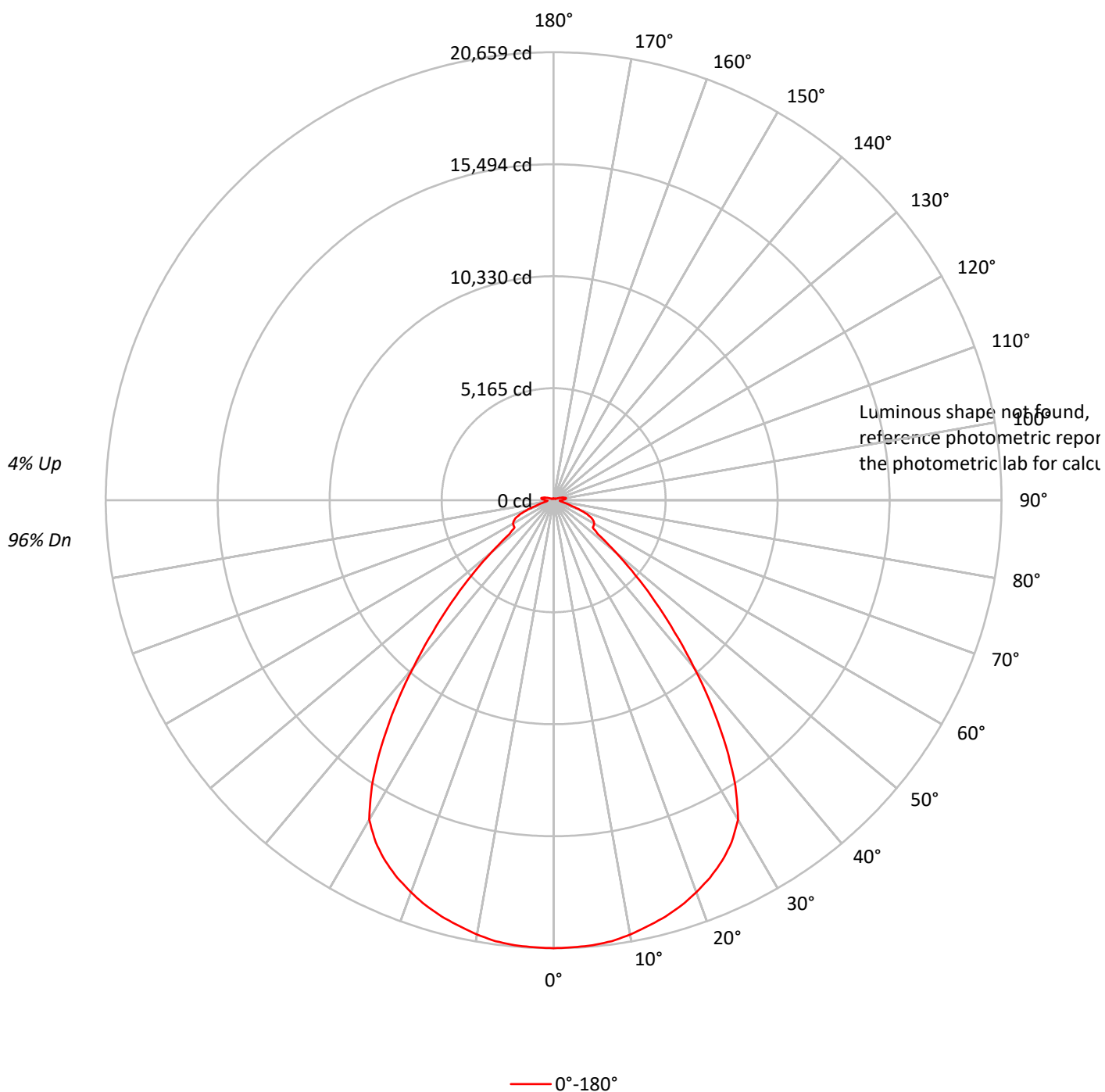
Lumens per Lamp: N/A
Luminaire Lumens: 36392.1 lumens
Efficiency: N/A
Efficacy: 156.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 231.9
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	100	107	104	101	98	99	97	94	95	93	91	90	89	87	85		
2	103	96	91	86	100	94	89	85	90	86	83	86	83	80	83	80	78	76		
3	96	87	81	76	93	85	80	75	82	77	73	79	75	71	76	73	70	67		
4	89	79	72	67	87	78	71	66	75	69	65	72	68	64	70	66	62	60		
5	83	73	65	60	81	71	64	59	69	63	58	67	61	57	64	60	56	55		
6	78	67	59	54	76	66	59	53	63	57	53	62	56	52	60	55	51	49		
7	73	61	54	49	71	60	53	49	59	52	48	57	51	47	55	51	47	45		
8	68	57	50	45	67	56	49	44	54	48	44	53	47	43	52	47	43	41		
9	64	53	46	41	63	52	45	41	51	45	40	49	44	40	48	43	39	38		
10	61	49	42	38	59	48	42	37	47	41	37	46	41	37	45	40	36	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°	1958.2	5.4
10°-20°	5609.9	15.4
20°-30°	8430.7	23.2
30°-40°	8555.9	23.5
40°-50°	5148.6	14.1
50°-60°	2213.7	6.1
60°-70°	1818.5	5.0
70°-80°	747.0	2.1
80°-90°	338.2	0.9
90°-100°	542.0	1.5
100°-110°	492.9	1.4
110°-120°	229.1	0.6
120°-130°	101.8	0.3
130°-140°	76.8	0.2
140°-150°	59.0	0.2
150°-160°	40.1	0.1
160°-170°	22.7	0.1
170°-180°	6.8	0.0
0°-30°	15998.9	44.0
0°-40°	24554.8	67.5
0°-60°	31917.2	87.7
0°-90°	34820.9	95.7
90°-120°	1264.0	3.5
90°-150°	1501.6	4.1
90°-180°	1571.0	4.3
0°-180°	36392.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20659	
5°	20599	###
15°	19881	5610
25°	18365	8431
35°	13873	8556
45°	6639	5149
55°	2201	2214
65°	1925	1819
75°	644	747
85°	282	250
90°	348	195
95°	520	435
105°	469	493
115°	222	229
125°	108	102
135°	99	77
145°	93	59
155°	86	40
165°	80	23
175°	71	7
180°	73	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20658.6
2.5°	20634.4
5°	20599.3
7.5°	20508.5
10°	20336.5
12.5°	20114.9
15°	19881.2
17.5°	19597.9
20°	19235.9
22.5°	18841.1
25°	18365.2
27.5°	17781.6
30°	17012.7
32.5°	15597.2
35°	13872.9
37.5°	12009.4
40°	10081.7
42.5°	8256.9
45°	6639.2
47.5°	5131.7
50°	3736.7
52.5°	2581.6
55°	2201.4
57.5°	2188.0
60°	2159.0
62.5°	2074.2
65°	1925.3
67.5°	1639.5
70°	1264.1
72.5°	904.5
75°	644.2
77.5°	474.7
80°	364.5
82.5°	302.7
85°	282.1
87.5°	299.1
90°	347.5
92.5°	432.3
95°	519.5
97.5°	574.0
100°	577.6
102.5°	531.6
105°	468.6
107.5°	402.0
110°	337.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	277.3
115°	221.6
117.5°	178.0
120°	145.3
122.5°	122.3
125°	107.8
127.5°	100.5
130°	98.1
132.5°	98.1
135°	99.3
137.5°	100.5
140°	99.3
142.5°	96.9
145°	93.2
147.5°	90.8
150°	88.4
152.5°	87.2
155°	86.0
157.5°	86.0
160°	84.8
162.5°	82.3
165°	79.9
167.5°	76.3
170°	72.7
172.5°	70.2
175°	71.4
177.5°	72.7
180°	72.7

(END OF REPORT)