

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: P1505199

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (6500K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505199
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-108)
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_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

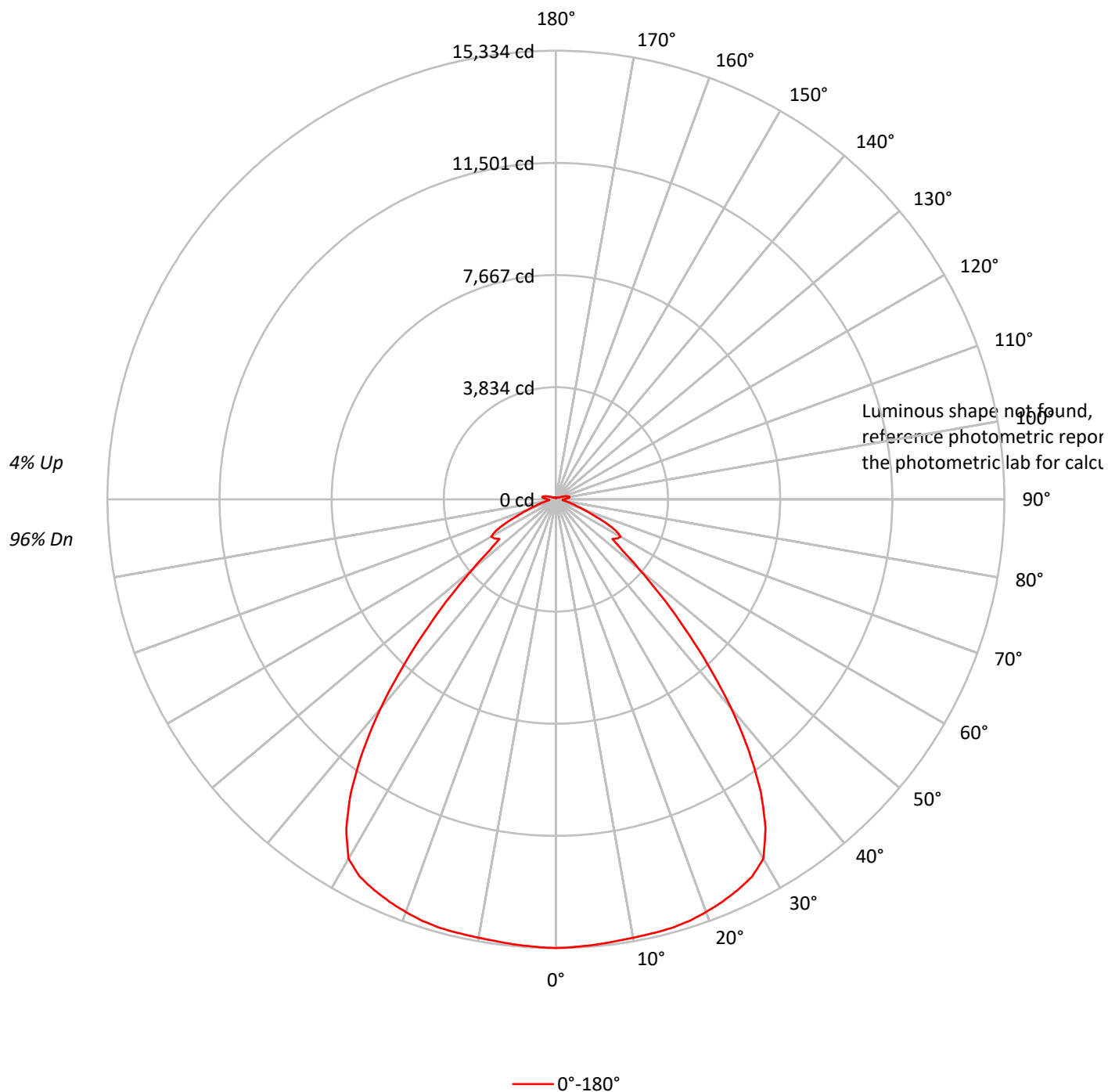
Lumens per Lamp: N/A
Luminaire Lumens: 31316.6 lumens
Efficiency: N/A
Efficacy: 156.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.22
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 200.1
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	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87	85		
2	102	96	90	86	99	93	88	84	89	85	82	86	82	79	82	79	77	75		
3	95	86	80	74	92	84	78	73	81	76	72	78	74	70	75	71	68	66		
4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	69	64	61	59		
5	82	71	63	58	80	70	63	57	67	61	56	65	60	55	63	58	55	53		
6	76	65	57	52	74	64	57	51	62	55	51	60	54	50	58	53	49	47		
7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	54	49	45	43		
8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50	45	41	39		
9	63	51	44	39	61	50	43	38	49	42	38	47	42	38	46	41	37	36		
10	59	47	40	35	58	47	40	35	45	39	35	44	39	35	43	38	34	33		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (6500K_L32_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1456.4	4.7
10°-20°	4291.4	13.7
20°-30°	6785.7	21.7
30°-40°	7501.4	24.0
40°-50°	4841.9	15.5
50°-60°	2421.3	7.7
60°-70°	1788.7	5.7
70°-80°	624.0	2.0
80°-90°	273.8	0.9
90°-100°	421.8	1.3
100°-110°	425.5	1.4
110°-120°	206.5	0.7
120°-130°	94.8	0.3
130°-140°	70.1	0.2
140°-150°	53.9	0.2
150°-160°	36.3	0.1
160°-170°	18.3	0.1
170°-180°	4.8	0.0
0°-30°	12533.5	40.0
0°-40°	20034.9	64.0
0°-60°	27298.1	87.2
0°-90°	29984.6	95.7
90°-120°	1053.8	3.4
90°-150°	1272.5	4.1
90°-180°	1332.0	4.3
0°-180°	31316.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15334	
5°	15280	###
15°	15175	4291
25°	14726	6786
35°	12216	7501
45°	6209	4842
55°	2358	2421
65°	1829	1789
75°	565	624
85°	226	205
90°	267	150
95°	396	340
105°	409	425
115°	200	206
125°	101	95
135°	91	70
145°	86	54
155°	78	36
165°	64	18
175°	48	5
180°	46	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	15334.5
2.5°	15309.0
5°	15280.5
7.5°	15243.8
10°	15213.2
12.5°	15192.8
15°	15175.4
17.5°	15113.3
20°	15010.3
22.5°	14878.8
25°	14725.9
27.5°	14532.2
30°	14179.5
32.5°	13338.4
35°	12216.0
37.5°	10834.7
40°	9335.1
42.5°	7725.3
45°	6209.4
47.5°	4857.7
50°	3715.9
52.5°	2856.5
55°	2358.0
57.5°	2485.4
60°	2552.7
62.5°	2315.2
65°	1828.9
67.5°	1343.6
70°	975.6
72.5°	734.0
75°	564.8
77.5°	423.1
80°	318.1
82.5°	252.8
85°	226.3
87.5°	232.4
90°	267.1
92.5°	328.3
95°	395.5
97.5°	453.7
100°	473.0
102.5°	451.6
105°	408.8
107.5°	357.8
110°	302.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	248.7
115°	199.8
117.5°	161.1
120°	133.5
122.5°	114.2
125°	100.9
127.5°	93.8
130°	90.7
132.5°	90.7
135°	90.7
137.5°	90.7
140°	88.7
142.5°	86.7
145°	85.6
147.5°	84.6
150°	82.6
152.5°	80.5
155°	78.5
157.5°	76.5
160°	72.4
162.5°	68.3
165°	64.2
167.5°	59.1
170°	55.0
172.5°	51.0
175°	47.9
177.5°	45.9
180°	45.9

(END OF REPORT)