

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: P1505534

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505534
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-118)
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 (3500K_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

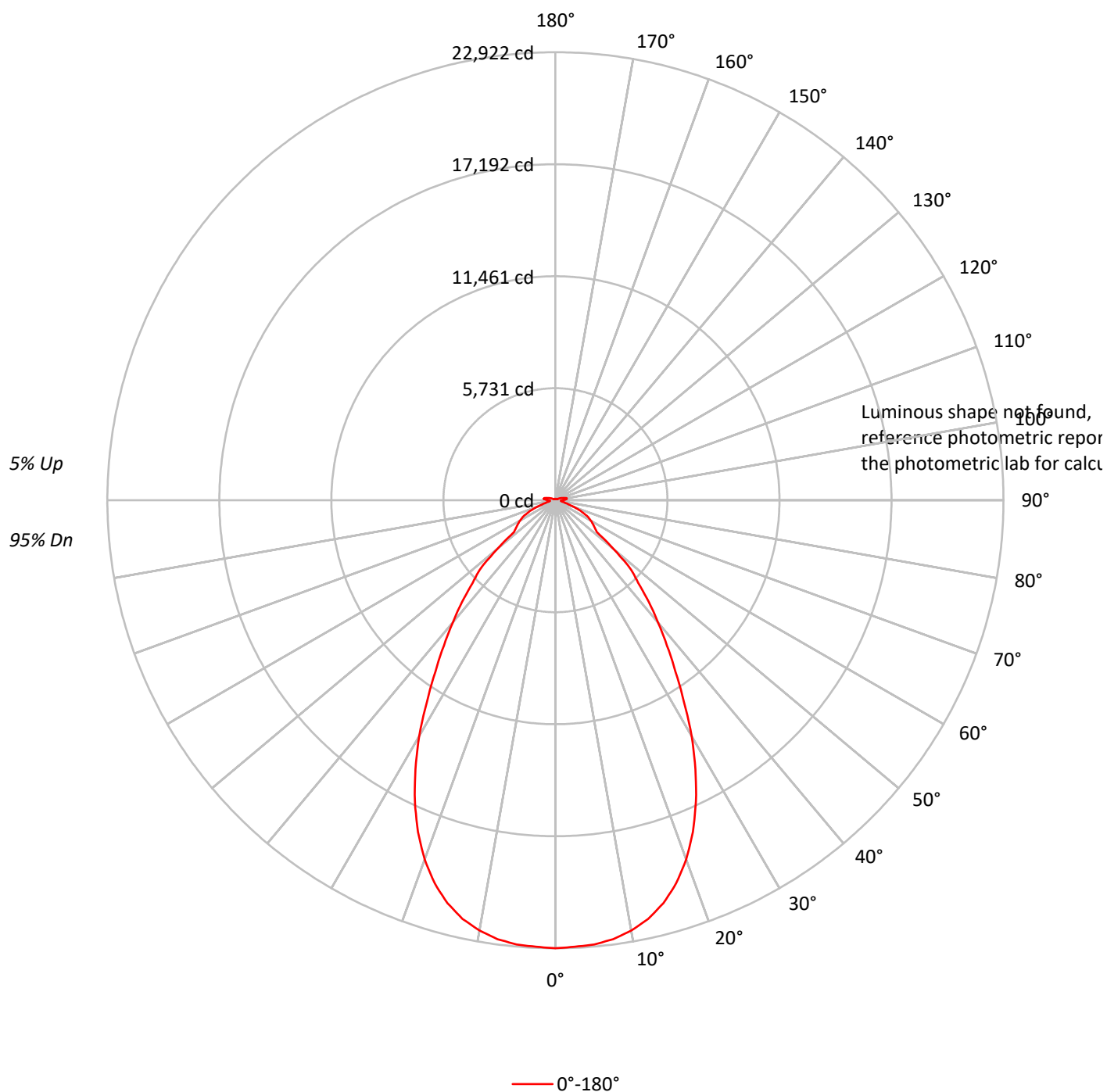
Lumens per Lamp: N/A
Luminaire Lumens: 33672.9 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Spacing Criteria (0/90/45): 1/1/2001
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

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





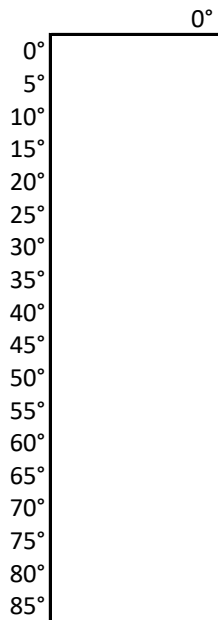
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	109	109	109	103	103	103	98	98	98	95		
1	110	107	103	101	107	104	101	99	99	97	95	95	93	91	90	89	88	85		
2	103	97	91	87	100	94	90	86	90	86	83	87	83	81	83	80	78	76		
3	96	88	81	76	93	86	80	75	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	70	67	63	61		
5	84	73	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	55		
6	79	68	60	55	77	67	60	55	64	58	54	62	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	50	46	56	50	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	43	39	49	43	39	48	42	38	46	42	38	36		

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-B-06-CLER-PS (3500K_L36_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2163.2	6.4
10°-20°	5968.2	17.7
20°-30°	7750.3	23.0
30°-40°	6740.4	20.0
40°-50°	4668.5	13.9
50°-60°	2314.9	6.9
60°-70°	1583.2	4.7
70°-80°	607.8	1.8
80°-90°	329.2	1.0
90°-100°	566.6	1.7
100°-110°	491.7	1.5
110°-120°	216.4	0.6
120°-130°	92.0	0.3
130°-140°	66.8	0.2
140°-150°	51.5	0.2
150°-160°	35.5	0.1
160°-170°	20.1	0.1
170°-180°	6.2	0.0
0°-30°	15881.7	47.2
0°-40°	22622.1	67.2
0°-60°	29605.6	87.9
0°-90°	32125.8	95.4
90°-120°	1274.8	3.8
90°-150°	1485.2	4.4
90°-180°	1547.0	4.6
0°-180°	33672.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22922	
5°	22814	###
15°	21341	5968
25°	17010	7750
35°	10703	6740
45°	5977	4669
55°	2454	2315
65°	1633	1583
75°	527	608
85°	277	236
90°	371	207
95°	545	453
105°	466	492
115°	208	216
125°	98	92
135°	87	67
145°	81	52
155°	77	36
165°	71	20
175°	66	6
180°	66	

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CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (3500K_L36_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	22922.2
2.5°	22866.4
5°	22814.1
7.5°	22650.2
10°	22353.8
12.5°	21938.8
15°	21341.3
17.5°	20552.0
20°	19553.5
22.5°	18368.9
25°	17010.1
27.5°	15514.0
30°	13936.5
32.5°	12233.6
35°	10702.6
37.5°	9371.6
40°	8181.3
42.5°	7073.5
45°	5977.3
47.5°	5258.9
50°	3866.3
52.5°	2665.5
55°	2453.9
57.5°	2274.9
60°	2093.6
62.5°	1892.5
65°	1633.2
67.5°	1331.0
70°	1009.0
72.5°	721.9
75°	526.6
77.5°	397.6
80°	315.0
82.5°	277.8
85°	276.7
87.5°	309.2
90°	370.8
92.5°	459.2
95°	545.2
97.5°	594.0
100°	589.4
102.5°	535.9
105°	466.1
107.5°	395.2
110°	326.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	263.9
115°	208.1
117.5°	165.1
120°	133.7
122.5°	111.6
125°	97.6
127.5°	89.5
130°	86.0
132.5°	84.9
135°	87.2
137.5°	87.2
140°	86.0
142.5°	84.9
145°	81.4
147.5°	79.0
150°	77.9
152.5°	76.7
155°	76.7
157.5°	76.7
160°	75.6
162.5°	73.2
165°	70.9
167.5°	67.4
170°	65.1
172.5°	63.9
175°	66.3
177.5°	66.3
180°	66.3

(END OF REPORT)