

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: P1505347

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505347
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-95)
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-04-CLER-PS (3500K_L24_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

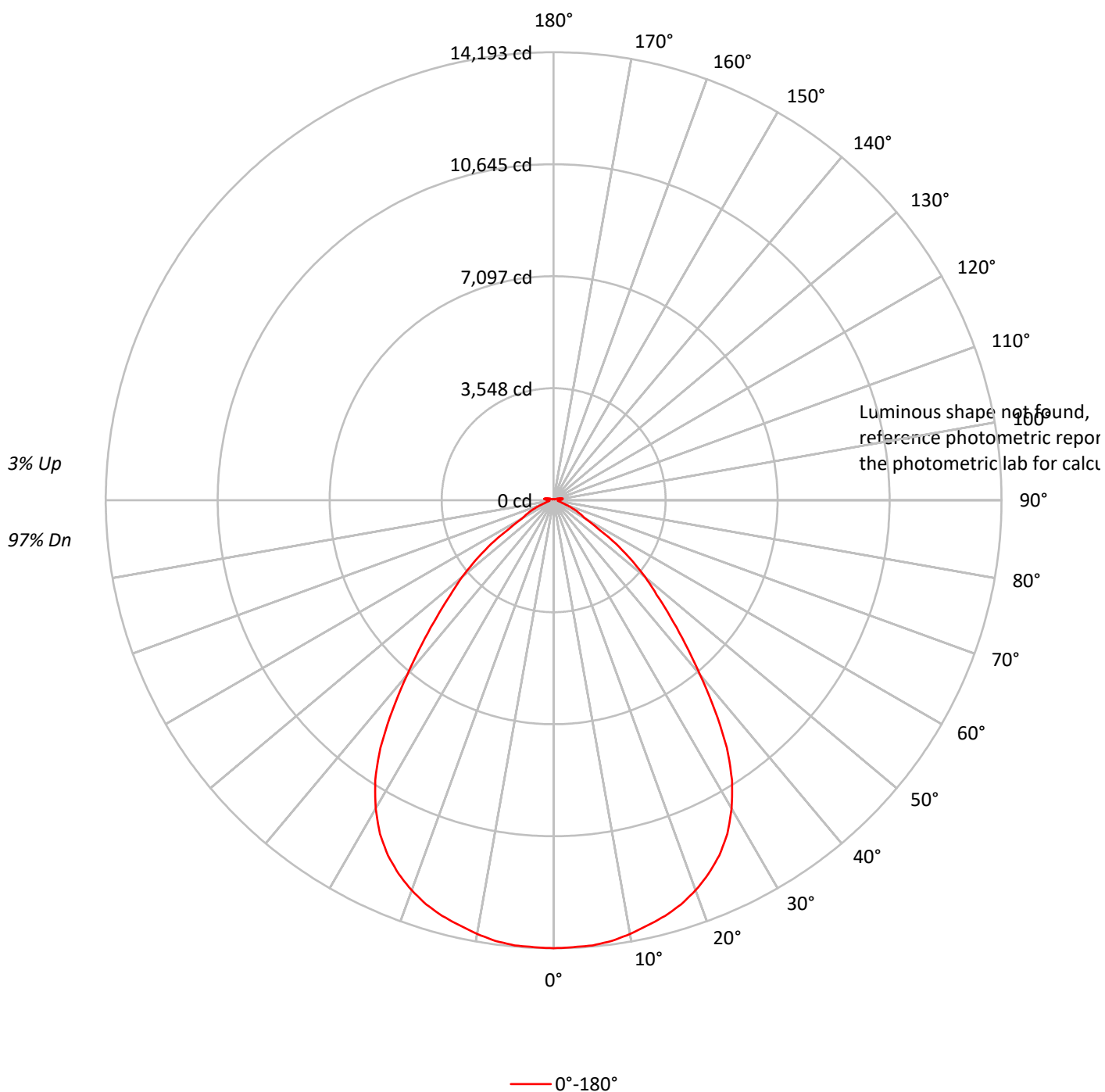
Lumens per Lamp: N/A
Luminaire Lumens: 24955.0 lumens
Efficiency: N/A
Efficacy: 158.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 157.5
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	98	96	96	94	92	92	90	89	87		
2	103	97	92	88	101	95	90	86	91	87	84	88	85	82	84	82	80	78		
3	96	88	82	77	94	86	81	76	83	78	74	80	76	73	77	74	71	69		
4	90	80	73	68	88	79	72	67	76	70	66	74	69	65	71	67	64	62		
5	84	73	66	60	82	72	65	60	70	64	59	68	62	58	66	61	57	56		
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50		
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	46		
8	69	57	50	45	67	56	49	45	55	49	44	53	48	44	52	47	43	42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	43	40	38		
10	61	49	42	38	60	49	42	37	47	41	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°	1344.7	5.4
10°-20°	3844.1	15.4
20°-30°	5687.5	22.8
30°-40°	5875.5	23.5
40°-50°	4091.2	16.4
50°-60°	2139.1	8.6
60°-70°	772.6	3.1
70°-80°	264.7	1.1
80°-90°	159.7	0.6
90°-100°	280.1	1.1
100°-110°	254.6	1.0
110°-120°	110.8	0.4
120°-130°	43.9	0.2
130°-140°	30.6	0.1
140°-150°	24.9	0.1
150°-160°	17.8	0.1
160°-170°	10.0	0.0
170°-180°	3.2	0.0
0°-30°	10876.3	43.6
0°-40°	16751.8	67.1
0°-60°	22982.1	92.1
0°-90°	24179.0	96.9
90°-120°	645.5	2.6
90°-150°	745.0	3.0
90°-180°	776.0	3.1
0°-180°	24955.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14193	
5°	14156	###
15°	13632	3844
25°	12417	5687
35°	9569	5875
45°	5228	4091
55°	2419	2139
65°	788	773
75°	230	265
85°	134	115
90°	178	100
95°	270	225
105°	244	255
115°	106	111
125°	46	44
135°	39	31
145°	40	25
155°	38	18
165°	35	10
175°	34	3
180°	35	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14193.3
2.5°	14170.9
5°	14155.9
7.5°	14083.7
10°	13951.6
12.5°	13793.9
15°	13631.9
17.5°	13425.2
20°	13151.1
22.5°	12817.3
25°	12417.1
27.5°	11916.3
30°	11279.4
32.5°	10521.2
35°	9568.8
37.5°	8392.1
40°	7223.7
42.5°	6162.4
45°	5228.2
47.5°	4428.6
50°	3777.5
52.5°	3100.7
55°	2419.0
57.5°	1660.8
60°	1144.3
62.5°	977.4
65°	788.1
67.5°	586.3
70°	416.9
72.5°	300.6
75°	230.0
77.5°	187.7
80°	155.3
82.5°	136.2
85°	133.7
87.5°	148.6
90°	178.5
92.5°	225.0
95°	269.9
97.5°	295.6
100°	295.6
102.5°	274.9
105°	244.1
107.5°	208.4
110°	171.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	136.2
115°	106.3
117.5°	83.0
120°	65.6
122.5°	54.0
125°	46.5
127.5°	41.5
130°	39.9
132.5°	39.0
135°	39.0
137.5°	39.9
140°	40.7
142.5°	39.9
145°	39.9
147.5°	39.0
150°	39.0
152.5°	39.0
155°	38.2
157.5°	38.2
160°	37.4
162.5°	36.5
165°	34.9
167.5°	34.0
170°	33.2
172.5°	33.2
175°	34.0
177.5°	34.0
180°	34.9

(END OF REPORT)