

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: P1505368

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (5000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505368
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 (5000K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

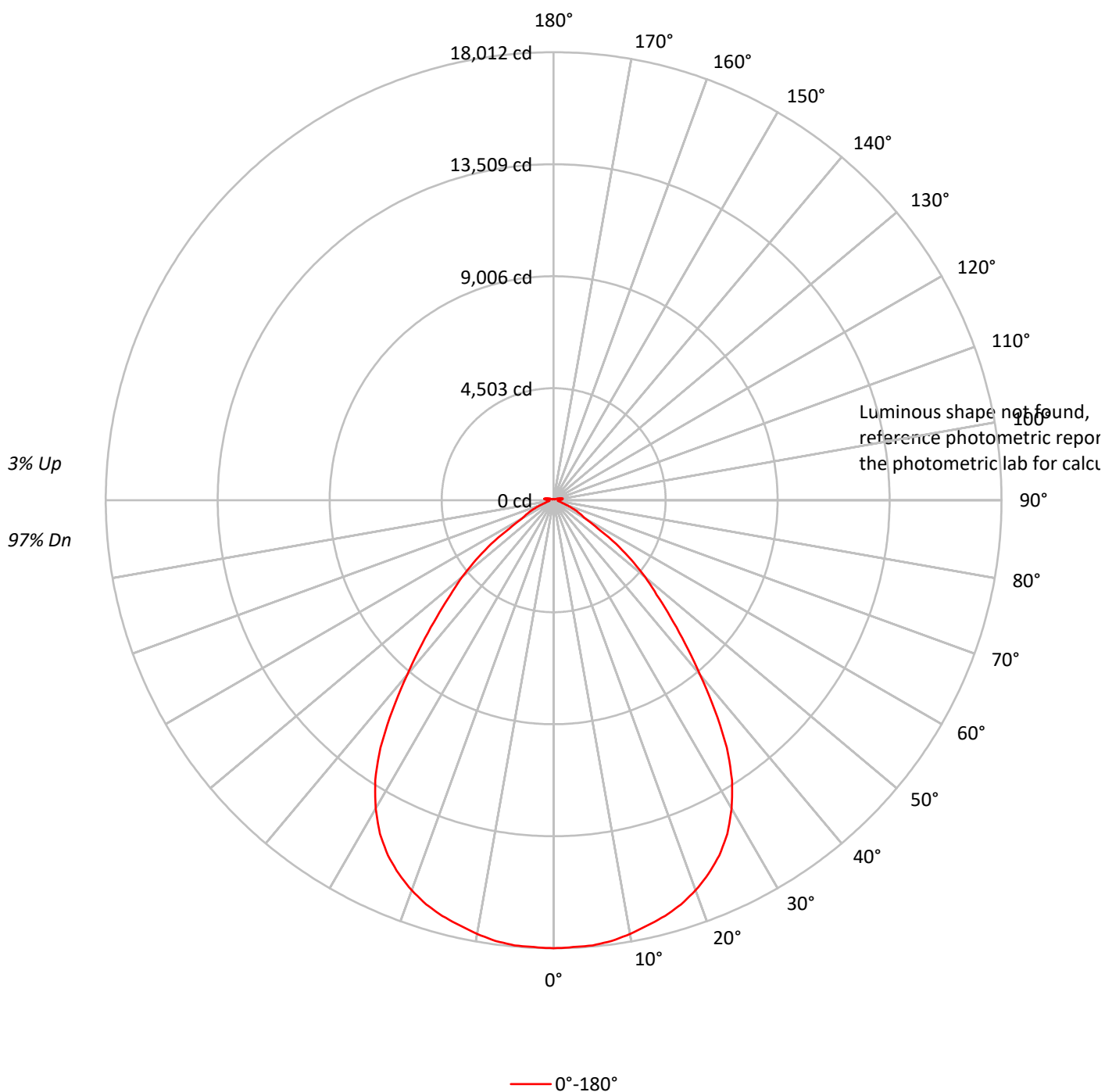
Lumens per Lamp: N/A
Luminaire Lumens: 31669.4 lumens
Efficiency: N/A
Efficacy: 162.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 195.5
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





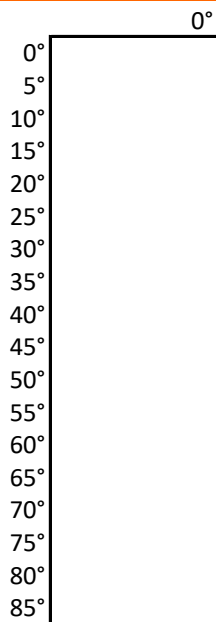
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	1706.5	5.4
10°-20°	4878.4	15.4
20°-30°	7217.7	22.8
30°-40°	7456.3	23.5
40°-50°	5192.0	16.4
50°-60°	2714.6	8.6
60°-70°	980.4	3.1
70°-80°	335.9	1.1
80°-90°	202.7	0.6
90°-100°	355.5	1.1
100°-110°	323.1	1.0
110°-120°	140.6	0.4
120°-130°	55.7	0.2
130°-140°	38.8	0.1
140°-150°	31.6	0.1
150°-160°	22.6	0.1
160°-170°	12.7	0.0
170°-180°	4.1	0.0
0°-30°	13802.7	43.6
0°-40°	21259.0	67.1
0°-60°	29165.5	92.1
0°-90°	30684.5	96.9
90°-120°	819.3	2.6
90°-150°	945.5	3.0
90°-180°	985.0	3.1
0°-180°	31669.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18012	
5°	17965	###
15°	17300	4878
25°	15758	7218
35°	12143	7456
45°	6635	5192
55°	3070	2715
65°	1000	980
75°	292	336
85°	170	146
90°	227	127
95°	342	285
105°	310	323
115°	135	141
125°	59	56
135°	50	39
145°	51	32
155°	48	23
165°	44	13
175°	43	4
180°	44	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18012.1
2.5°	17983.6
5°	17964.7
7.5°	17873.0
10°	17705.4
12.5°	17505.2
15°	17299.7
17.5°	17037.3
20°	16689.5
22.5°	16265.9
25°	15757.9
27.5°	15122.5
30°	14314.2
32.5°	13352.0
35°	12143.3
37.5°	10650.0
40°	9167.3
42.5°	7820.5
45°	6634.9
47.5°	5620.1
50°	4793.9
52.5°	3935.0
55°	3069.8
57.5°	2107.7
60°	1452.2
62.5°	1240.4
65°	1000.1
67.5°	744.0
70°	529.0
72.5°	381.5
75°	291.9
77.5°	238.2
80°	197.1
82.5°	172.8
85°	169.7
87.5°	188.6
90°	226.6
92.5°	285.6
95°	342.5
97.5°	375.2
100°	375.2
102.5°	348.8
105°	309.8
107.5°	264.5
110°	217.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	172.8
115°	134.9
117.5°	105.4
120°	83.3
122.5°	68.5
125°	59.0
127.5°	52.7
130°	50.6
132.5°	49.5
135°	49.5
137.5°	50.6
140°	51.6
142.5°	50.6
145°	50.6
147.5°	49.5
150°	49.5
152.5°	49.5
155°	48.5
157.5°	48.5
160°	47.4
162.5°	46.4
165°	44.3
167.5°	43.2
170°	42.2
172.5°	42.2
175°	43.2
177.5°	43.2
180°	44.3

(END OF REPORT)