

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: P1505404

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (4000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505404
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-101)
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-TRWH-PS (4000K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

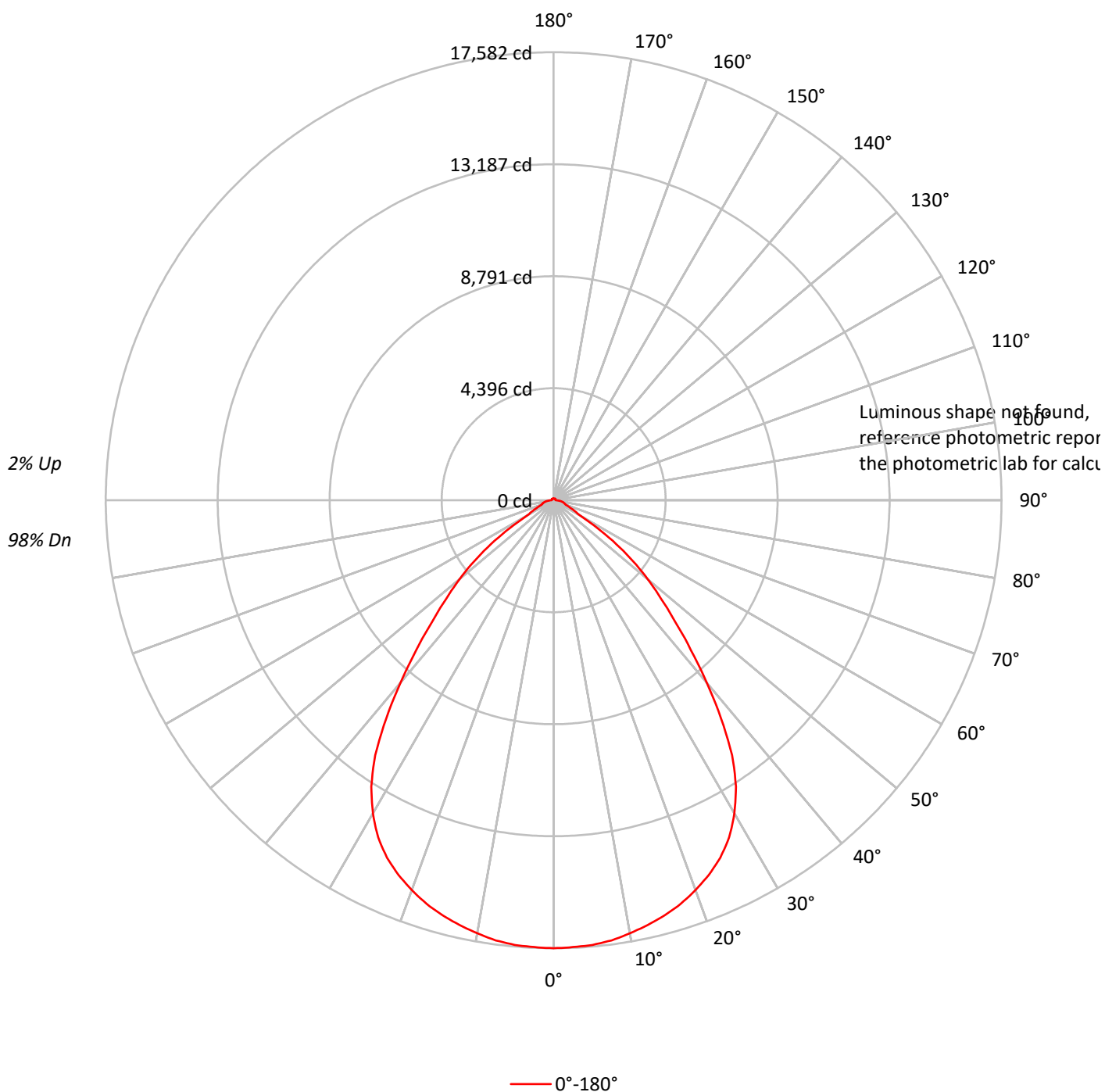
Lumens per Lamp: N/A
Luminaire Lumens: 30887.0 lumens
Efficiency: N/A
Efficacy: 159.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 194.3
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





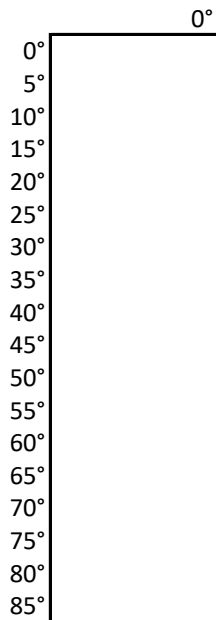
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	98		
1	111	108	104	102	109	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	97	92	88	101	96	91	87	92	88	85	89	85	83	86	83	81	79		
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70		
4	90	81	73	68	88	79	73	68	77	71	67	74	69	66	72	68	65	63		
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	62	58	56		
6	79	67	60	55	77	66	59	54	65	58	54	63	57	53	61	57	53	51		
7	73	62	55	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46		
8	69	57	50	45	67	57	50	45	55	49	44	54	48	44	53	48	44	42		
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	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°	1664.0	5.4
10°-20°	4756.4	15.4
20°-30°	7094.8	23.0
30°-40°	7495.6	24.3
40°-50°	5286.0	17.1
50°-60°	2653.6	8.6
60°-70°	777.8	2.5
70°-80°	449.7	1.5
80°-90°	234.7	0.8
90°-100°	81.3	0.3
100°-110°	81.9	0.3
110°-120°	77.5	0.3
120°-130°	68.8	0.2
130°-140°	59.1	0.2
140°-150°	48.8	0.2
150°-160°	34.0	0.1
160°-170°	17.8	0.1
170°-180°	5.3	0.0
0°-30°	13515.2	43.8
0°-40°	21010.8	68.0
0°-60°	28950.3	93.7
0°-90°	30412.6	98.5
90°-120°	240.6	0.8
90°-150°	417.3	1.4
90°-180°	474.0	1.5
0°-180°	30887.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17582	
5°	17517	###
15°	16865	4756
25°	15475	7095
35°	12216	7496
45°	6757	5286
55°	3008	2654
65°	760	778
75°	426	450
85°	220	204
90°	74	51
95°	74	61
105°	77	82
115°	78	77
125°	76	69
135°	76	59
145°	77	49
155°	72	34
165°	62	18
175°	55	5
180°	56	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17582.2
2.5°	17554.0
5°	17517.4
7.5°	17422.3
10°	17258.2
12.5°	17072.1
15°	16865.1
17.5°	16605.8
20°	16280.7
22.5°	15918.0
25°	15474.7
27.5°	14922.8
30°	14192.1
32.5°	13323.4
35°	12216.3
37.5°	10797.7
40°	9355.1
42.5°	7977.3
45°	6757.3
47.5°	5723.5
50°	4826.5
52.5°	3932.7
55°	3007.6
57.5°	2028.0
60°	1182.3
62.5°	942.9
65°	760.0
67.5°	606.3
70°	502.8
72.5°	458.9
75°	426.5
77.5°	393.1
80°	345.0
82.5°	285.4
85°	219.5
87.5°	147.4
90°	74.2
92.5°	73.2
95°	74.2
97.5°	75.3
100°	76.3
102.5°	77.4
105°	77.4
107.5°	77.4
110°	78.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	78.4
115°	78.4
117.5°	77.4
120°	77.4
122.5°	77.4
125°	76.3
127.5°	76.3
130°	76.3
132.5°	76.3
135°	76.3
137.5°	76.3
140°	76.3
142.5°	77.4
145°	77.4
147.5°	78.4
150°	79.4
152.5°	76.3
155°	72.1
157.5°	70.0
160°	67.9
162.5°	64.8
165°	61.7
167.5°	59.6
170°	57.5
172.5°	55.4
175°	55.4
177.5°	56.5
180°	56.5

(END OF REPORT)