

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: P1505424

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (6500K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505424
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-102)
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 (6500K_L32_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

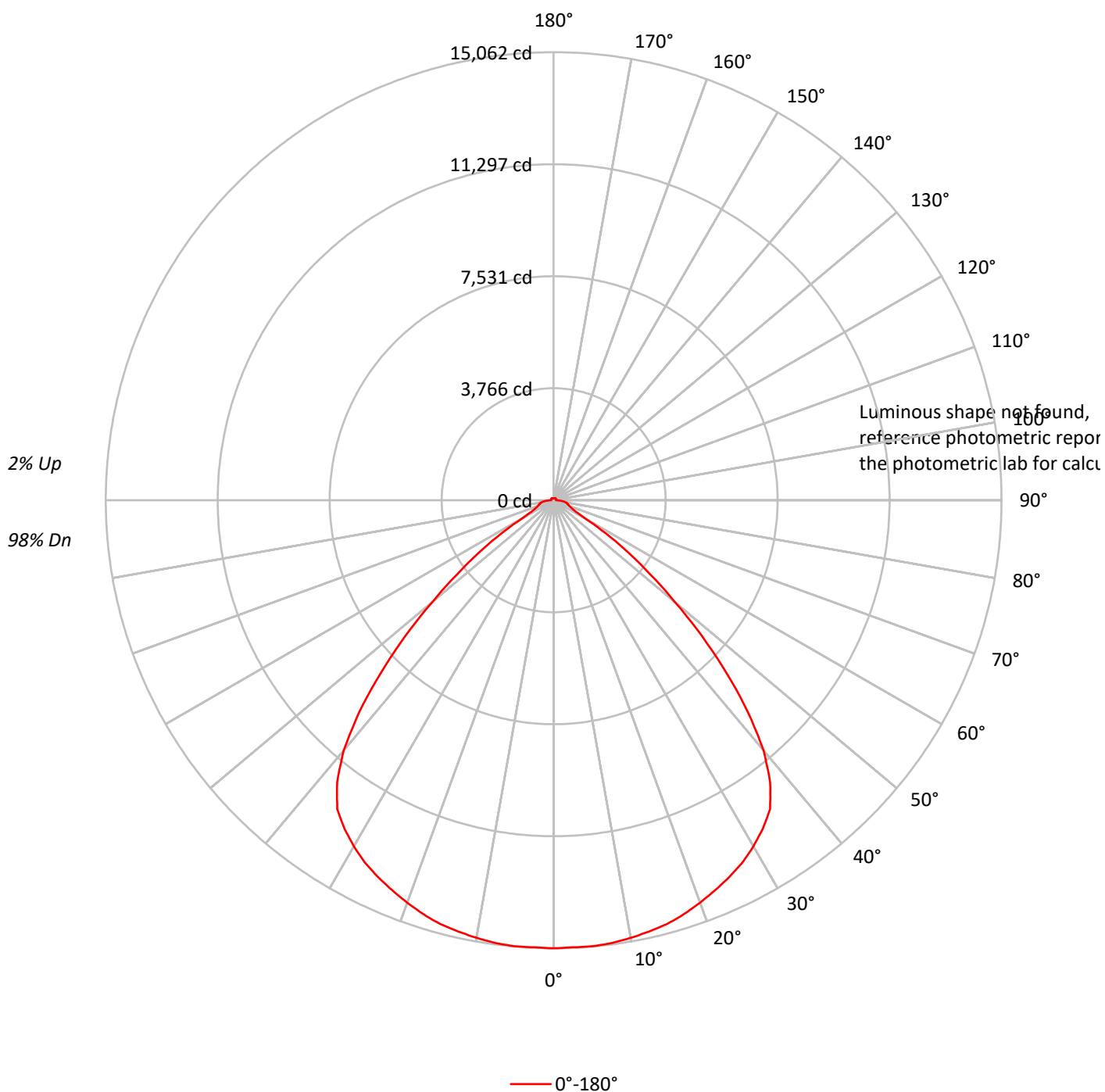
Lumens per Lamp: N/A
Luminaire Lumens: 31023.6 lumens
Efficiency: N/A
Efficacy: 155.0 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

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



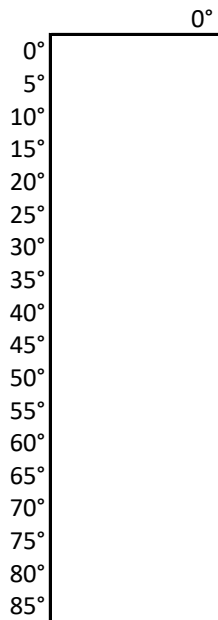
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																	
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100
1	111	107	104	101	108	105	102	99	100	98	96	96	94	93	93	91	90
2	103	97	91	87	101	95	90	86	91	87	84	88	84	81	85	82	79
3	96	87	81	76	93	86	80	75	83	78	73	80	76	72	77	74	71
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	66	63
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	56
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	60	55	51
7	72	60	53	47	70	59	52	47	58	51	47	56	50	46	55	50	46
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	42
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	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°	1433.1	4.6
10°-20°	4163.3	13.4
20°-30°	6446.5	20.8
30°-40°	7813.6	25.2
40°-50°	6298.9	20.3
50°-60°	2775.3	8.9
60°-70°	756.6	2.4
70°-80°	519.2	1.7
80°-90°	285.4	0.9
90°-100°	92.4	0.3
100°-110°	92.8	0.3
110°-120°	87.2	0.3
120°-130°	78.1	0.3
130°-140°	66.4	0.2
140°-150°	53.9	0.2
150°-160°	36.8	0.1
160°-170°	18.8	0.1
170°-180°	5.5	0.0
0°-30°	12042.8	38.8
0°-40°	19856.4	64.0
0°-60°	28930.6	93.3
0°-90°	30491.7	98.3
90°-120°	272.4	0.9
90°-150°	470.8	1.5
90°-180°	532.0	1.7
0°-180°	31023.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15062	
5°	15050	###
15°	14749	4163
25°	13976	6446
35°	12684	7814
45°	8240	6299
55°	3062	2775
65°	711	757
75°	494	519
85°	271	250
90°	84	58
95°	85	70
105°	88	93
115°	88	87
125°	87	78
135°	86	66
145°	86	54
155°	78	37
165°	65	19
175°	57	5
180°	57	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15062.3
2.5°	15043.9
5°	15050.1
7.5°	15016.4
10°	14938.9
12.5°	14849.2
15°	14749.3
17.5°	14589.3
20°	14397.6
22.5°	14190.7
25°	13975.6
27.5°	13736.0
30°	13436.3
32.5°	13088.6
35°	12683.9
37.5°	11957.1
40°	10979.4
42.5°	9684.7
45°	8240.2
47.5°	6765.0
50°	5332.7
52.5°	4100.2
55°	3062.4
57.5°	2084.8
60°	1231.5
62.5°	843.1
65°	710.6
67.5°	616.8
70°	555.6
72.5°	524.0
75°	494.4
77.5°	461.8
80°	413.9
82.5°	352.7
85°	271.2
87.5°	175.3
90°	83.6
92.5°	83.6
95°	84.6
97.5°	85.6
100°	86.7
102.5°	87.7
105°	87.7
107.5°	87.7
110°	88.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	87.7
115°	87.7
117.5°	87.7
120°	87.7
122.5°	87.7
125°	86.7
127.5°	86.7
130°	86.7
132.5°	85.6
135°	85.6
137.5°	85.6
140°	85.6
142.5°	85.6
145°	85.6
147.5°	85.6
150°	86.7
152.5°	82.6
155°	78.5
157.5°	75.4
160°	72.4
162.5°	69.3
165°	65.2
167.5°	62.2
170°	59.1
172.5°	57.1
175°	57.1
177.5°	57.1
180°	57.1

(END OF REPORT)