

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: P1505406

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (4000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505406
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 (4000K_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

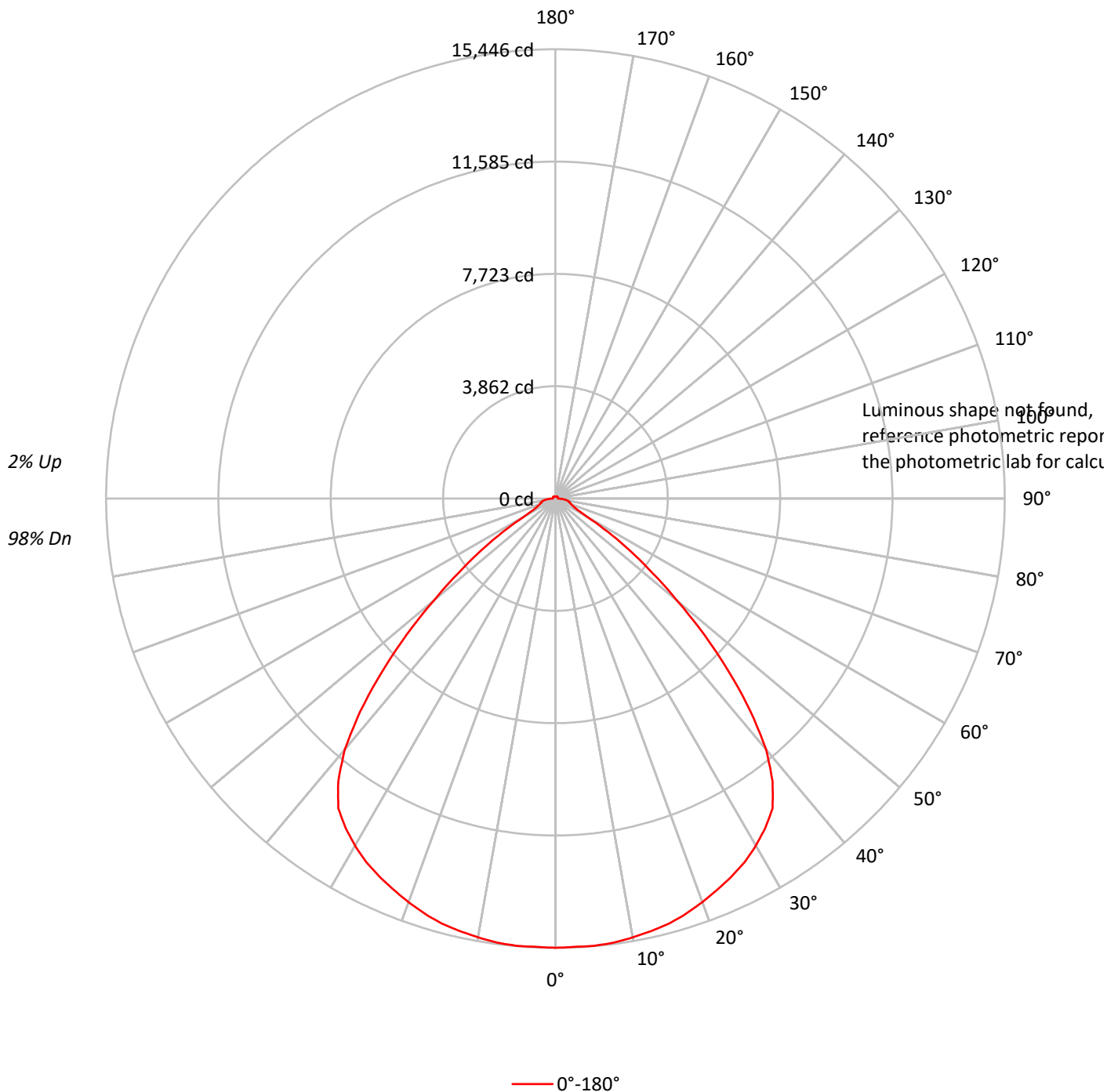
Lumens per Lamp: N/A
Luminaire Lumens: 31812.7 lumens
Efficiency: N/A
Efficacy: 163.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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



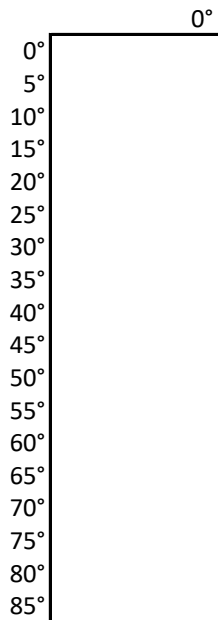
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100			98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	93	93	91	90			88
2	103	97	91	87	101	95	90	86	91	87	84	88	84	81	85	82	79			77
3	96	87	81	76	93	86	80	75	83	78	73	80	76	72	77	74	71			69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	66	63			61
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	56			54
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	60	55	51			49
7	72	60	53	47	70	59	52	47	58	51	47	56	50	46	55	50	46			44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	42			40
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38			36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35			33

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1469.5	4.6
10°-20°	4269.2	13.4
20°-30°	6610.4	20.8
30°-40°	8012.4	25.2
40°-50°	6459.1	20.3
50°-60°	2845.9	8.9
60°-70°	775.8	2.4
70°-80°	532.4	1.7
80°-90°	292.7	0.9
90°-100°	94.8	0.3
100°-110°	95.1	0.3
110°-120°	89.4	0.3
120°-130°	80.1	0.3
130°-140°	68.1	0.2
140°-150°	55.2	0.2
150°-160°	37.7	0.1
160°-170°	19.3	0.1
170°-180°	5.6	0.0
0°-30°	12349.1	38.8
0°-40°	20361.5	64.0
0°-60°	29666.5	93.3
0°-90°	31267.4	98.3
90°-120°	279.3	0.9
90°-150°	482.7	1.5
90°-180°	545.0	1.7
0°-180°	31812.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15446	
5°	15433	###
15°	15124	4269
25°	14331	6610
35°	13007	8012
45°	8450	6459
55°	3140	2846
65°	729	776
75°	507	532
85°	278	256
90°	86	60
95°	87	71
105°	90	95
115°	90	89
125°	89	80
135°	88	68
145°	88	55
155°	80	38
165°	67	19
175°	58	6
180°	58	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15445.5
2.5°	15426.7
5°	15432.9
7.5°	15398.4
10°	15319.0
12.5°	15227.0
15°	15124.5
17.5°	14960.4
20°	14763.9
22.5°	14551.7
25°	14331.1
27.5°	14085.4
30°	13778.1
32.5°	13421.6
35°	13006.6
37.5°	12261.2
40°	11258.7
42.5°	9931.1
45°	8449.8
47.5°	6937.1
50°	5468.4
52.5°	4204.5
55°	3140.3
57.5°	2137.8
60°	1262.8
62.5°	864.5
65°	728.6
67.5°	632.5
70°	569.7
72.5°	537.3
75°	507.0
77.5°	473.6
80°	424.4
82.5°	361.7
85°	278.1
87.5°	179.8
90°	85.7
92.5°	85.7
95°	86.8
97.5°	87.8
100°	88.9
102.5°	89.9
105°	89.9
107.5°	89.9
110°	90.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	89.9
115°	89.9
117.5°	89.9
120°	89.9
122.5°	89.9
125°	88.9
127.5°	88.9
130°	88.9
132.5°	87.8
135°	87.8
137.5°	87.8
140°	87.8
142.5°	87.8
145°	87.8
147.5°	87.8
150°	88.9
152.5°	84.7
155°	80.5
157.5°	77.4
160°	74.2
162.5°	71.1
165°	66.9
167.5°	63.8
170°	60.6
172.5°	58.5
175°	58.5
177.5°	58.5
180°	58.5

(END OF REPORT)