

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: P1505388

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505388
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 (3000K_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

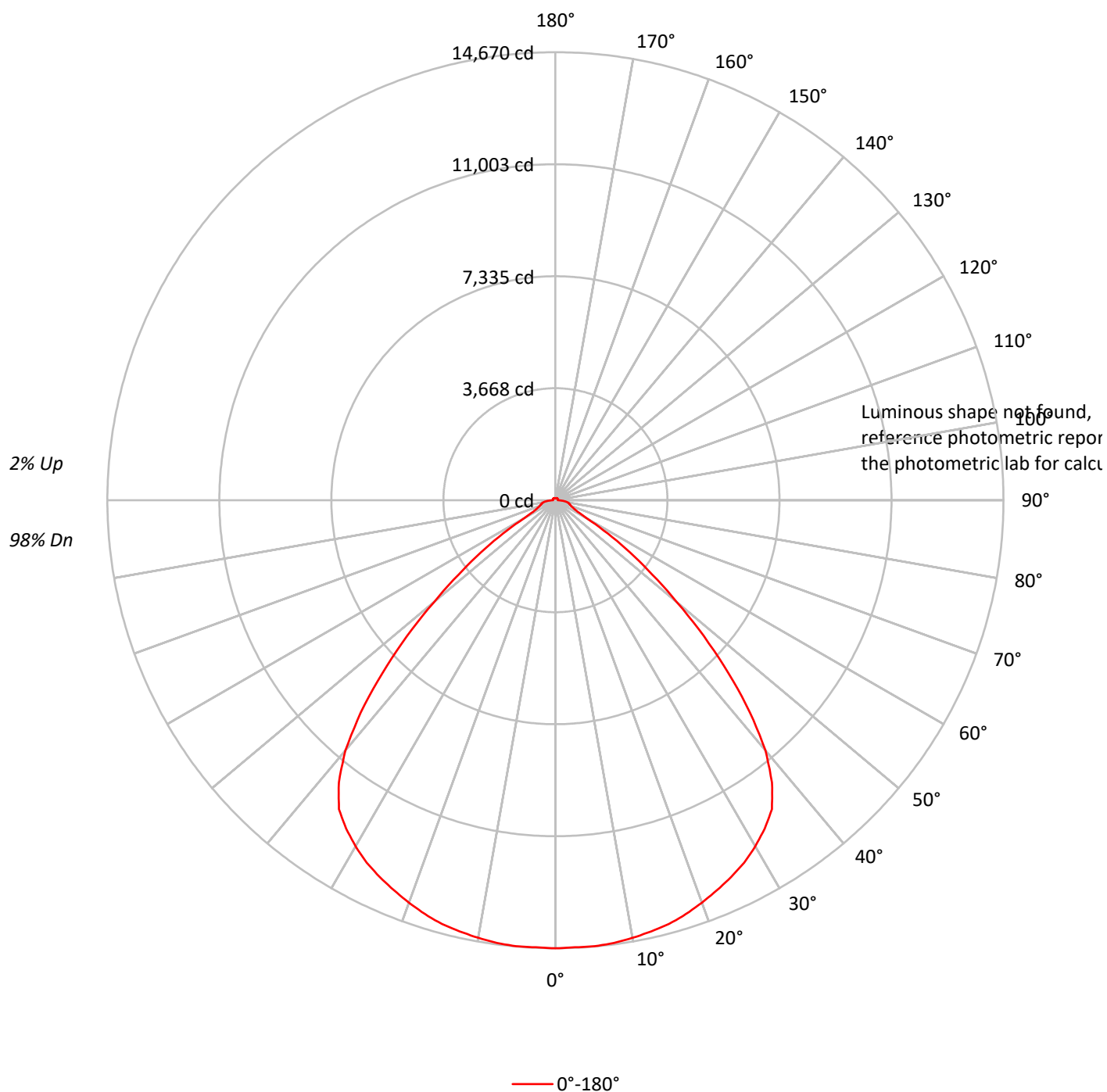
Lumens per Lamp: N/A
Luminaire Lumens: 30215.8 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 199.4
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



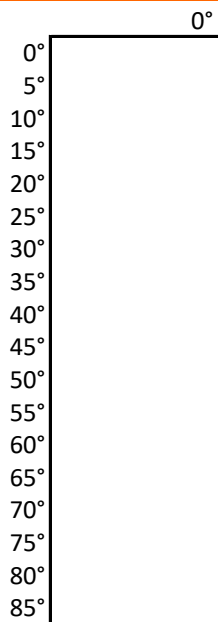
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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: -

TEST NUMBER: P1505388

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3000K_L32_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1395.7	4.6
10°-20°	4054.9	13.4
20°-30°	6278.6	20.8
30°-40°	7610.2	25.2
40°-50°	6134.9	20.3
50°-60°	2703.0	8.9
60°-70°	736.9	2.4
70°-80°	505.7	1.7
80°-90°	278.0	0.9
90°-100°	90.0	0.3
100°-110°	90.3	0.3
110°-120°	84.9	0.3
120°-130°	76.1	0.3
130°-140°	64.7	0.2
140°-150°	52.5	0.2
150°-160°	35.8	0.1
160°-170°	18.3	0.1
170°-180°	5.3	0.0
0°-30°	11729.2	38.8
0°-40°	19339.3	64.0
0°-60°	28177.3	93.3
0°-90°	29697.8	98.3
90°-120°	265.3	0.9
90°-150°	458.5	1.5
90°-180°	518.0	1.7
0°-180°	30215.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14670	
5°	14658	###
15°	14365	4055
25°	13612	6279
35°	12354	7610
45°	8026	6135
55°	2983	2703
65°	692	737
75°	482	506
85°	264	243
90°	81	57
95°	82	68
105°	85	90
115°	85	85
125°	84	76
135°	83	65
145°	83	52
155°	76	36
165°	64	18
175°	56	5
180°	56	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14670.1
2.5°	14652.2
5°	14658.2
7.5°	14625.4
10°	14550.0
12.5°	14462.6
15°	14365.3
17.5°	14209.4
20°	14022.7
22.5°	13821.2
25°	13611.7
27.5°	13378.3
30°	13086.4
32.5°	12747.8
35°	12353.7
37.5°	11645.7
40°	10693.5
42.5°	9432.6
45°	8025.6
47.5°	6588.9
50°	5193.9
52.5°	3993.4
55°	2982.7
57.5°	2030.5
60°	1199.4
62.5°	821.1
65°	692.1
67.5°	600.7
70°	541.1
72.5°	510.4
75°	481.6
77.5°	449.8
80°	403.1
82.5°	343.5
85°	264.1
87.5°	170.8
90°	81.4
92.5°	81.4
95°	82.4
97.5°	83.4
100°	84.4
102.5°	85.4
105°	85.4
107.5°	85.4
110°	86.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	85.4
115°	85.4
117.5°	85.4
120°	85.4
122.5°	85.4
125°	84.4
127.5°	84.4
130°	84.4
132.5°	83.4
135°	83.4
137.5°	83.4
140°	83.4
142.5°	83.4
145°	83.4
147.5°	83.4
150°	84.4
152.5°	80.4
155°	76.5
157.5°	73.5
160°	70.5
162.5°	67.5
165°	63.5
167.5°	60.6
170°	57.6
172.5°	55.6
175°	55.6
177.5°	55.6
180°	55.6

(END OF REPORT)