

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: P1505397

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3500K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505397
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 (3500K_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

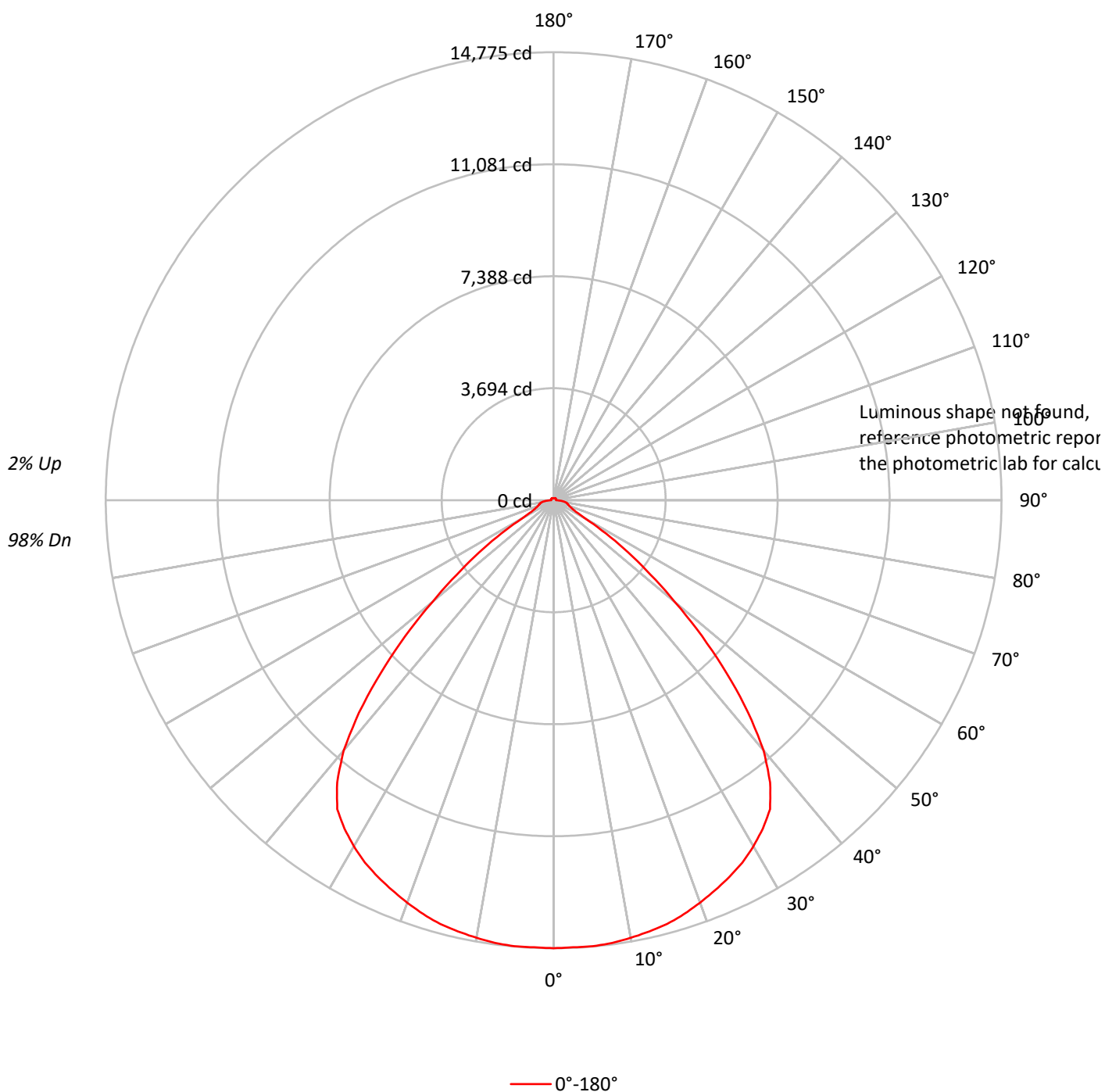
Lumens per Lamp: N/A
Luminaire Lumens: 30431.8 lumens
Efficiency: N/A
Efficacy: 154.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 196.4
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



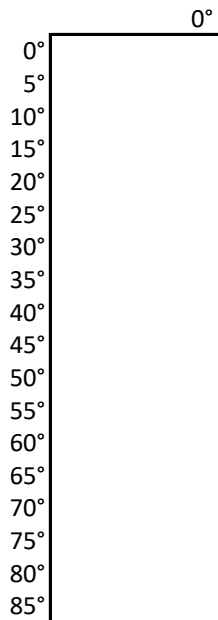
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1405.7	4.6
10°-20°	4083.8	13.4
20°-30°	6323.5	20.8
30°-40°	7664.6	25.2
40°-50°	6178.8	20.3
50°-60°	2722.4	8.9
60°-70°	742.2	2.4
70°-80°	509.3	1.7
80°-90°	280.0	0.9
90°-100°	90.7	0.3
100°-110°	91.0	0.3
110°-120°	85.5	0.3
120°-130°	76.6	0.3
130°-140°	65.2	0.2
140°-150°	52.8	0.2
150°-160°	36.1	0.1
160°-170°	18.4	0.1
170°-180°	5.4	0.0
0°-30°	11813.1	38.8
0°-40°	19477.6	64.0
0°-60°	28378.8	93.3
0°-90°	29910.2	98.3
90°-120°	267.2	0.9
90°-150°	461.8	1.5
90°-180°	522.0	1.7
0°-180°	30431.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14775	
5°	14763	###
15°	14468	4084
25°	13709	6323
35°	12442	7665
45°	8083	6179
55°	3004	2722
65°	697	742
75°	485	509
85°	266	245
90°	82	57
95°	83	68
105°	86	91
115°	86	85
125°	85	77
135°	84	65
145°	84	53
155°	77	36
165°	64	18
175°	56	5
180°	56	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14775
2.5°	14757
5°	14763
7.5°	14730
10°	14654
12.5°	14566
15°	14468
17.5°	14311
20°	14123
22.5°	13920
25°	13709
27.5°	13474
30°	13180
32.5°	12839
35°	12442
37.5°	11729
40°	10770
42.5°	9500
45°	8083
47.5°	6636
50°	5231
52.5°	4022
55°	3004
57.5°	2045
60°	1208
62.5°	827
65°	697
67.5°	605
70°	545
72.5°	514
75°	485
77.5°	453
80°	406
82.5°	346
85°	266
87.5°	172
90°	82
92.5°	82
95°	83
97.5°	84
100°	85
102.5°	86
105°	86
107.5°	86
110°	87

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	86
115°	86
117.5°	86
120°	86
122.5°	86
125°	85
127.5°	85
130°	85
132.5°	84
135°	84
137.5°	84
140°	84
142.5°	84
145°	84
147.5°	84
150°	85
152.5°	81
155°	77
157.5°	74
160°	71
162.5°	68
165°	64
167.5°	61
170°	58
172.5°	56
175°	56
177.5°	56
180°	56

(END OF REPORT)