

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: P1505414

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (5000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505414
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-100)
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 (5000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

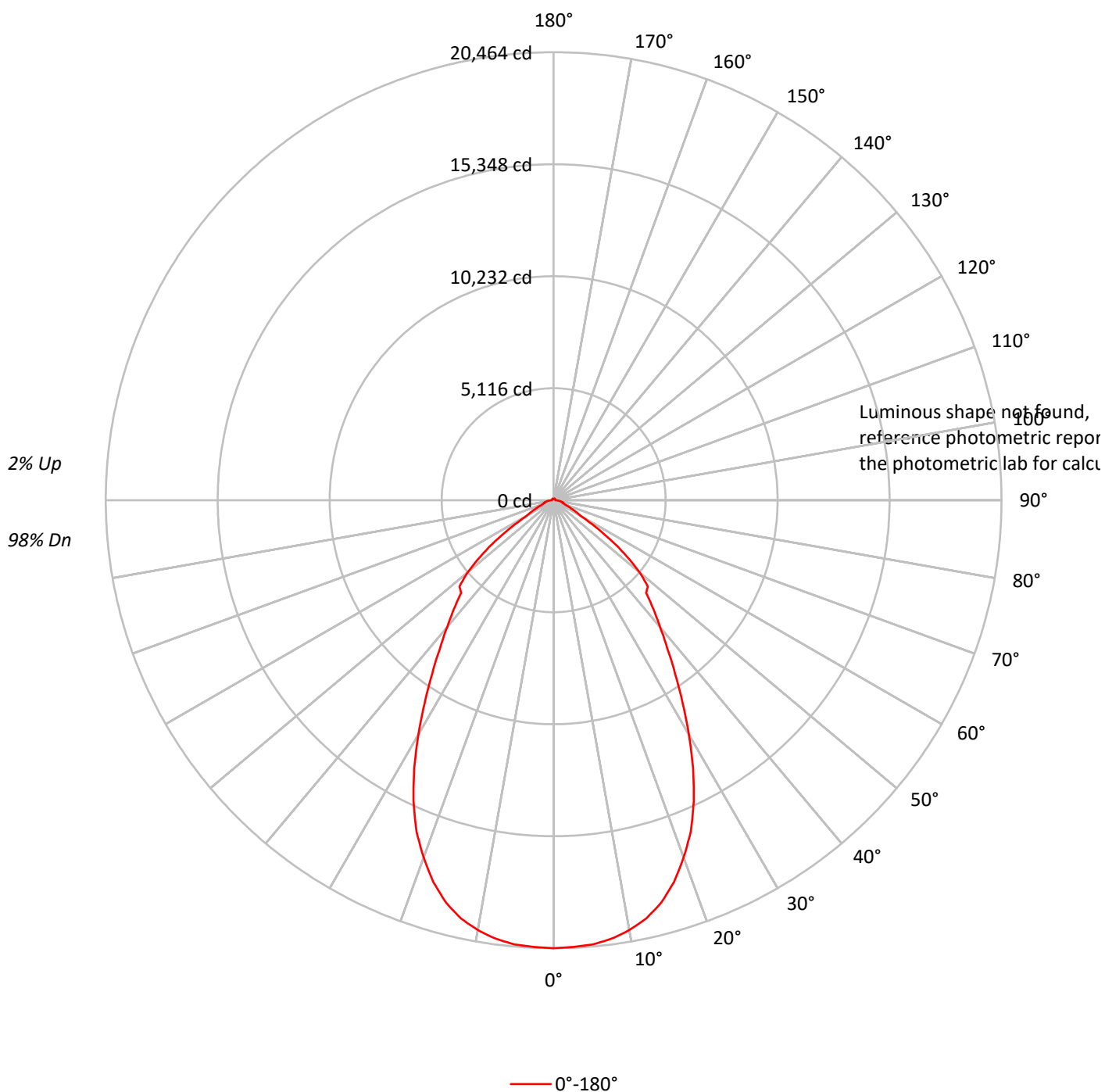
Lumens per Lamp: N/A
Luminaire Lumens: 29978.9 lumens
Efficiency: N/A
Efficacy: 153.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 195.5
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	105	102	109	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	98	92	88	101	96	91	87	92	88	85	89	85	83	86	83	81	79		
3	97	89	82	77	95	87	81	77	84	79	75	81	77	74	79	75	72	70		
4	90	81	74	69	88	80	73	68	77	71	67	75	70	66	73	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	64	60	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	57	54	52		
7	74	63	56	50	73	62	55	50	60	54	50	59	53	49	58	53	49	47		
8	70	58	51	46	68	58	51	46	56	50	46	55	49	45	54	49	45	43		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1930.5	6.4
10°-20°	5314.5	17.7
20°-30°	6892.8	23.0
30°-40°	6087.7	20.3
40°-50°	4794.4	16.0
50°-60°	2881.6	9.6
60°-70°	903.9	3.0
70°-80°	460.0	1.5
80°-90°	229.2	0.8
90°-100°	82.9	0.3
100°-110°	83.9	0.3
110°-120°	79.1	0.3
120°-130°	70.3	0.2
130°-140°	59.9	0.2
140°-150°	49.6	0.2
150°-160°	34.6	0.1
160°-170°	18.5	0.1
170°-180°	5.6	0.0
0°-30°	14137.7	47.2
0°-40°	20225.4	67.5
0°-60°	27901.4	93.1
0°-90°	29494.5	98.4
90°-120°	245.9	0.8
90°-150°	425.7	1.4
90°-180°	484.0	1.6
0°-180°	29978.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20464	
5°	20368	###
15°	19022	5314
25°	15149	6893
35°	9678	6088
45°	5973	4794
55°	3264	2882
65°	882	904
75°	433	460
85°	211	200
90°	75	50
95°	76	62
105°	79	84
115°	80	79
125°	78	70
135°	77	60
145°	79	50
155°	74	35
165°	64	18
175°	59	6
180°	59	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20464.3
2.5°	20423.2
5°	20368.4
7.5°	20206.1
10°	19938.5
12.5°	19563.3
15°	19021.6
17.5°	18278.7
20°	17366.1
22.5°	16370.2
25°	15148.8
27.5°	13787.3
30°	12342.5
32.5°	10969.3
35°	9678.4
37.5°	8536.0
40°	7566.5
42.5°	6732.9
45°	5973.1
47.5°	5831.9
50°	5122.7
52.5°	4215.3
55°	3263.7
57.5°	2236.2
60°	1432.2
62.5°	1136.0
65°	882.1
67.5°	665.0
70°	533.2
72.5°	471.1
75°	433.1
77.5°	398.3
80°	345.7
82.5°	281.4
85°	210.8
87.5°	139.1
90°	74.8
92.5°	74.8
95°	75.9
97.5°	76.9
100°	78.0
102.5°	79.0
105°	79.0
107.5°	80.1
110°	80.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	80.1
115°	80.1
117.5°	79.0
120°	79.0
122.5°	79.0
125°	78.0
127.5°	78.0
130°	78.0
132.5°	78.0
135°	76.9
137.5°	76.9
140°	76.9
142.5°	78.0
145°	79.0
147.5°	80.1
150°	81.1
152.5°	76.9
155°	73.8
157.5°	71.7
160°	69.6
162.5°	67.4
165°	64.3
167.5°	62.2
170°	60.1
172.5°	58.0
175°	59.0
177.5°	59.0
180°	59.0

(END OF REPORT)