

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: P1505045

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (4000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505045
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-88)
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-A-04-TRWH-PS (4000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

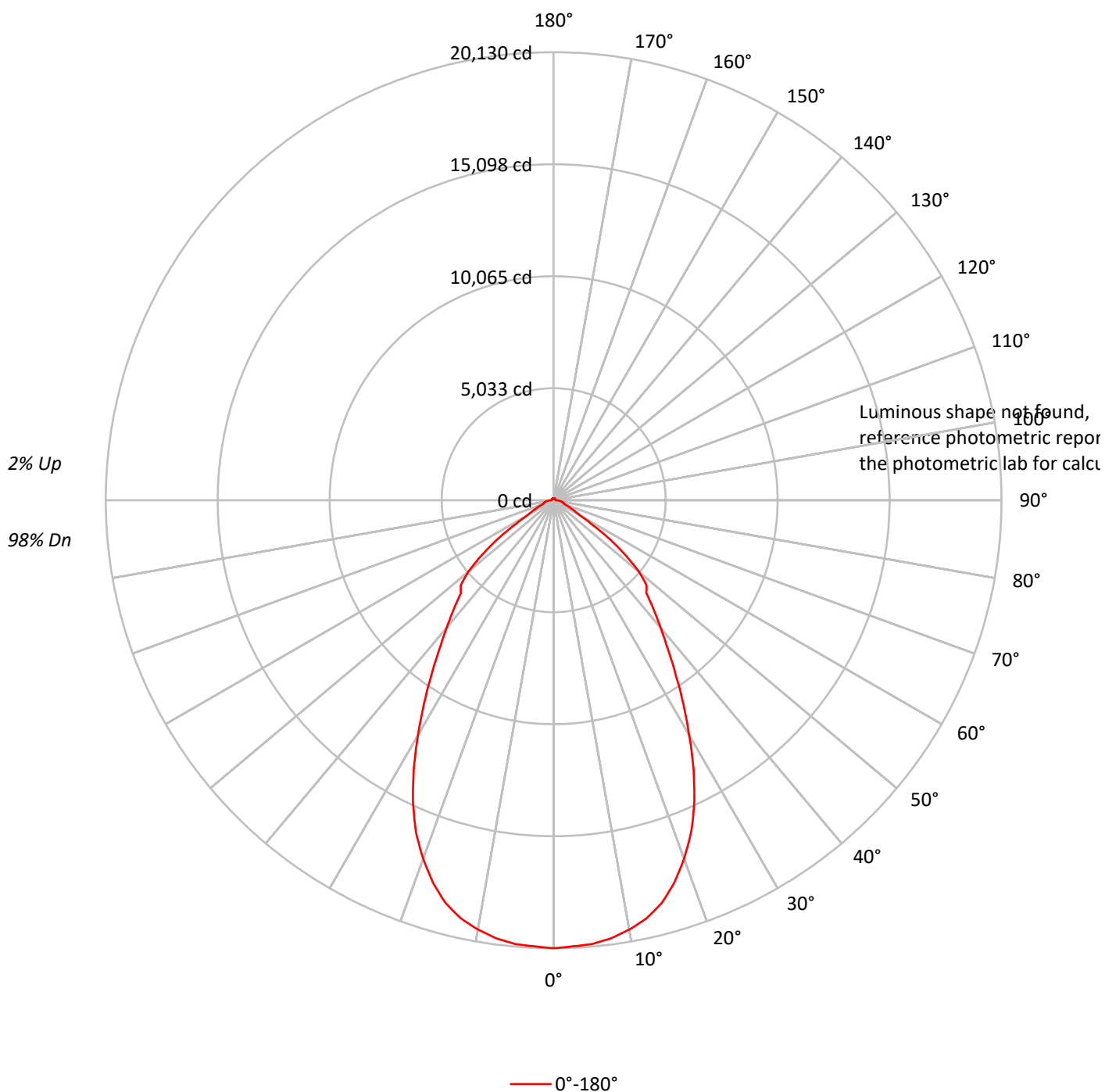
Lumens per Lamp: N/A
Luminaire Lumens: 29609.9 lumens
Efficiency: N/A
Efficacy: 152.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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





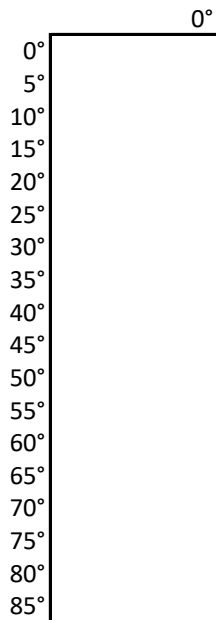
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	108	104	101	108	105	102	100	101	98	96	97	95	93	93	91	90	88		
2	104	97	92	88	101	96	91	87	92	88	85	89	85	82	85	83	80	78		
3	97	89	82	77	94	87	81	76	84	79	75	81	77	73	78	75	72	70		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	72	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	63	59	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52		
7	74	63	55	50	72	62	55	50	60	54	50	59	53	49	58	53	49	47		
8	70	58	51	46	68	57	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	43	39	49	43	39	48	42	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°	1896.5	6.4
10°-20°	5235.6	17.7
20°-30°	6804.6	23.0
30°-40°	6011.1	20.3
40°-50°	4710.2	15.9
50°-60°	2792.5	9.4
60°-70°	888.9	3.0
70°-80°	473.4	1.6
80°-90°	259.9	0.9
90°-100°	98.6	0.3
100°-110°	96.2	0.3
110°-120°	88.9	0.3
120°-130°	77.5	0.3
130°-140°	64.9	0.2
140°-150°	53.7	0.2
150°-160°	35.8	0.1
160°-170°	17.0	0.1
170°-180°	4.7	0.0
0°-30°	13936.7	47.1
0°-40°	19947.8	67.4
0°-60°	27450.4	92.7
0°-90°	29072.7	98.2
90°-120°	283.7	1.0
90°-150°	479.8	1.6
90°-180°	537.0	1.8
0°-180°	29609.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20130	
5°	20011	###
15°	18748	5236
25°	14962	6805
35°	9563	6011
45°	5891	4710
55°	3146	2792
65°	866	889
75°	445	473
85°	242	224
90°	93	60
95°	90	74
105°	91	96
115°	90	89
125°	87	78
135°	84	65
145°	86	54
155°	76	36
165°	58	17
175°	47	5
180°	47	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	20129.8
2.5°	20062.9
5°	20010.6
7.5°	19849.7
10°	19587.3
12.5°	19244.4
15°	18747.8
17.5°	18020.2
20°	17142.1
22.5°	16153.2
25°	14961.5
27.5°	13611.9
30°	12183.9
32.5°	10836.4
35°	9563.1
37.5°	8420.5
40°	7469.2
42.5°	6653.8
45°	5890.7
47.5°	5668.0
50°	5009.5
52.5°	4113.6
55°	3145.5
57.5°	2132.6
60°	1394.5
62.5°	1113.3
65°	865.6
67.5°	660.7
70°	535.2
72.5°	477.7
75°	445.3
77.5°	416.1
80°	371.1
82.5°	313.6
85°	242.5
87.5°	166.2
90°	93.0
92.5°	88.9
95°	89.9
97.5°	90.9
100°	90.9
102.5°	90.9
105°	90.9
107.5°	90.9
110°	90.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	89.9
115°	89.9
117.5°	88.9
120°	87.8
122.5°	86.8
125°	86.8
127.5°	85.7
130°	84.7
132.5°	83.6
135°	83.6
137.5°	83.6
140°	83.6
142.5°	84.7
145°	85.7
147.5°	86.8
150°	86.8
152.5°	81.5
155°	76.3
157.5°	72.1
160°	67.9
162.5°	62.7
165°	58.5
167.5°	55.4
170°	52.3
172.5°	49.1
175°	47.0
177.5°	46.0
180°	47.0

(END OF REPORT)