

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: P1505039

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505039
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 (3500K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

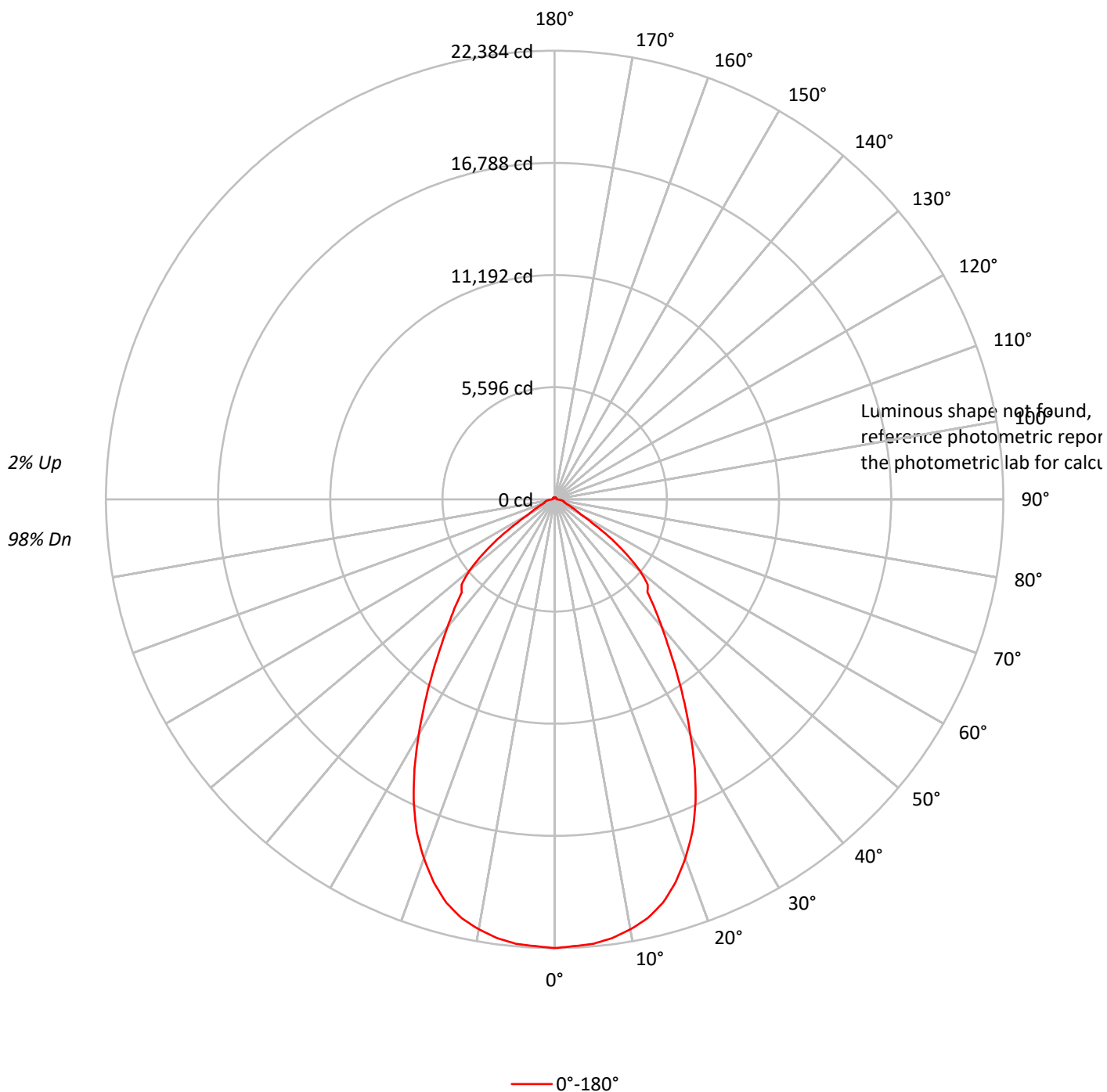
Lumens per Lamp: N/A
Luminaire Lumens: 32925.9 lumens
Efficiency: N/A
Efficacy: 139.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 235.4
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



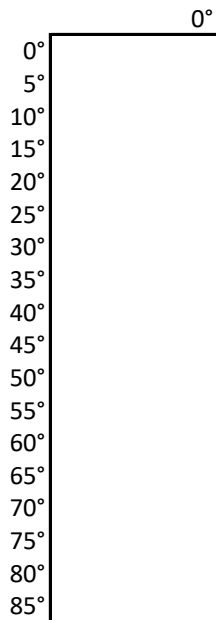
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	2108.9	6.4
10°-20°	5821.9	17.7
20°-30°	7566.5	23.0
30°-40°	6684.3	20.3
40°-50°	5237.7	15.9
50°-60°	3105.2	9.4
60°-70°	988.5	3.0
70°-80°	526.5	1.6
80°-90°	289.1	0.9
90°-100°	109.7	0.3
100°-110°	107.0	0.3
110°-120°	98.8	0.3
120°-130°	86.2	0.3
130°-140°	72.1	0.2
140°-150°	59.7	0.2
150°-160°	39.8	0.1
160°-170°	18.9	0.1
170°-180°	5.2	0.0
0°-30°	15497.3	47.1
0°-40°	22181.6	67.4
0°-60°	30524.4	92.7
0°-90°	32328.4	98.2
90°-120°	315.5	1.0
90°-150°	533.6	1.6
90°-180°	597.0	1.8
0°-180°	32925.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22384	
5°	22252	###
15°	20847	5822
25°	16637	7567
35°	10634	6684
45°	6550	5238
55°	3498	3105
65°	962	988
75°	495	526
85°	270	250
90°	104	67
95°	100	82
105°	101	107
115°	100	99
125°	96	86
135°	93	72
145°	95	60
155°	85	40
165°	65	19
175°	52	5
180°	52	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	22384.0
2.5°	22309.6
5°	22251.5
7.5°	22072.5
10°	21780.7
12.5°	21399.4
15°	20847.3
17.5°	20038.2
20°	19061.8
22.5°	17962.1
25°	16636.9
27.5°	15136.2
30°	13548.3
32.5°	12049.9
35°	10634.0
37.5°	9363.5
40°	8305.7
42.5°	7399.0
45°	6550.4
47.5°	6302.8
50°	5570.4
52.5°	4574.2
55°	3497.8
57.5°	2371.4
60°	1550.7
62.5°	1238.0
65°	962.5
67.5°	734.7
70°	595.2
72.5°	531.2
75°	495.2
77.5°	462.7
80°	412.7
82.5°	348.7
85°	269.7
87.5°	184.8
90°	103.5
92.5°	98.8
95°	100.0
97.5°	101.1
100°	101.1
102.5°	101.1
105°	101.1
107.5°	101.1
110°	101.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	100.0
115°	100.0
117.5°	98.8
120°	97.6
122.5°	96.5
125°	96.5
127.5°	95.3
130°	94.2
132.5°	93.0
135°	93.0
137.5°	93.0
140°	93.0
142.5°	94.2
145°	95.3
147.5°	96.5
150°	96.5
152.5°	90.7
155°	84.9
157.5°	80.2
160°	75.6
162.5°	69.7
165°	65.1
167.5°	61.6
170°	58.1
172.5°	54.6
175°	52.3
177.5°	51.1
180°	52.3

(END OF REPORT)