

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: P1505003

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (4000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505003
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-82)
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-CLER-PS (4000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

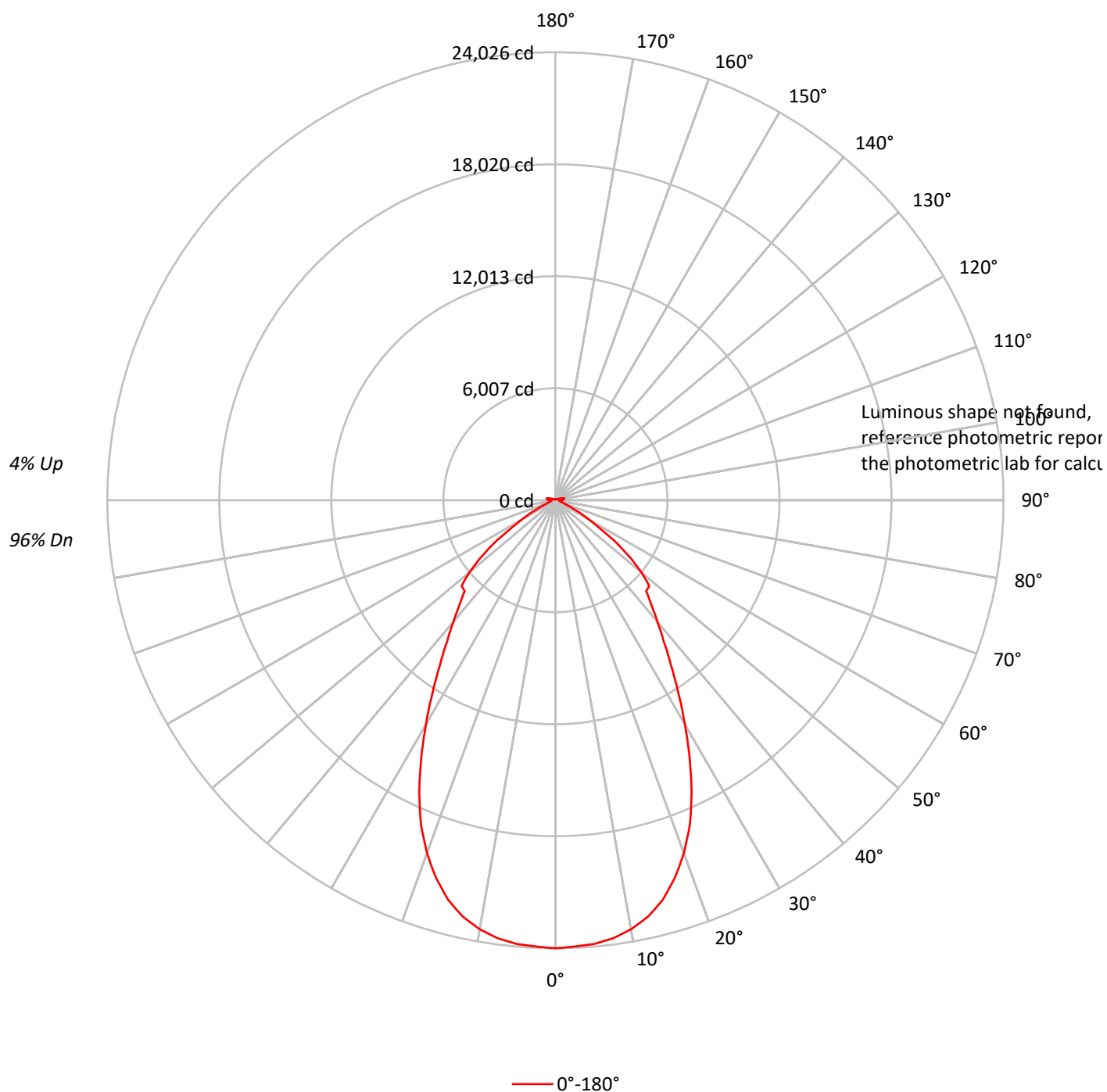
Lumens per Lamp: N/A
Luminaire Lumens: 35117.8 lumens
Efficiency: N/A
Efficacy: 151.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 231.9
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





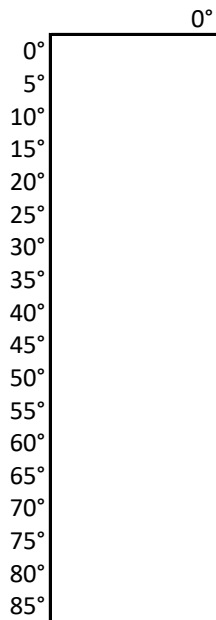
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	103	97	92	88	101	95	90	87	91	87	84	88	84	82	84	82	79	77		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	77	74	71	69		
4	90	80	74	68	88	79	73	68	76	71	66	74	69	65	71	67	64	62		
5	84	74	66	61	82	72	66	61	70	64	60	68	63	59	66	61	58	56		
6	79	68	60	55	77	67	60	55	65	59	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	46		
8	69	58	51	46	68	57	50	46	56	49	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	49	44	41	39		
10	62	50	43	39	60	50	43	39	49	43	38	47	42	38	46	41	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2263.2	6.4
10°-20°	6194.9	17.6
20°-30°	7862.4	22.4
30°-40°	6811.8	19.4
40°-50°	5511.2	15.7
50°-60°	3549.1	10.1
60°-70°	1090.5	3.1
70°-80°	351.0	1.0
80°-90°	251.1	0.7
90°-100°	441.5	1.3
100°-110°	420.0	1.2
110°-120°	178.4	0.5
120°-130°	66.8	0.2
130°-140°	43.7	0.1
140°-150°	36.7	0.1
150°-160°	26.4	0.1
160°-170°	14.6	0.0
170°-180°	4.5	0.0
0°-30°	16320.5	46.5
0°-40°	23132.2	65.9
0°-60°	32192.5	91.7
0°-90°	33885.1	96.5
90°-120°	1040.0	3.0
90°-150°	1187.1	3.4
90°-180°	1233.0	3.5
0°-180°	35117.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24026	
5°	23887	###
15°	22193	6195
25°	17276	7862
35°	10788	6812
45°	6881	5511
55°	4006	3549
65°	1006	1091
75°	326	351
85°	210	179
90°	286	159
95°	419	354
105°	407	420
115°	171	178
125°	70	67
135°	56	44
145°	58	37
155°	57	26
165°	51	15
175°	47	5
180°	46	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	24026.1
2.5°	23952.2
5°	23886.8
7.5°	23687.0
10°	23361.3
12.5°	22883.0
15°	22192.8
17.5°	21252.0
20°	20134.3
22.5°	18827.8
25°	17275.5
27.5°	15579.0
30°	13877.8
32.5°	12279.4
35°	10787.6
37.5°	9538.0
40°	8503.9
42.5°	7612.7
45°	6881.4
47.5°	6820.8
50°	6028.9
52.5°	5060.2
55°	4005.6
57.5°	2866.1
60°	2070.6
62.5°	1523.3
65°	1006.2
67.5°	643.0
70°	458.9
72.5°	372.9
75°	325.7
77.5°	282.1
80°	239.8
82.5°	210.7
85°	209.5
87.5°	237.3
90°	285.8
92.5°	353.6
95°	419.0
97.5°	465.0
100°	478.3
102.5°	455.3
105°	406.9
107.5°	343.9
110°	279.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	220.4
115°	170.7
117.5°	132.0
120°	102.9
122.5°	83.5
125°	70.2
127.5°	61.8
130°	58.1
132.5°	55.7
135°	55.7
137.5°	56.9
140°	56.9
142.5°	58.1
145°	58.1
147.5°	59.3
150°	59.3
152.5°	58.1
155°	56.9
157.5°	55.7
160°	54.5
162.5°	53.3
165°	50.9
167.5°	49.6
170°	48.4
172.5°	47.2
175°	47.2
177.5°	46.0
180°	46.0

(END OF REPORT)