

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: P1505237

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (5000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505237
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-112)
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-06-TRWH-PS (5000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

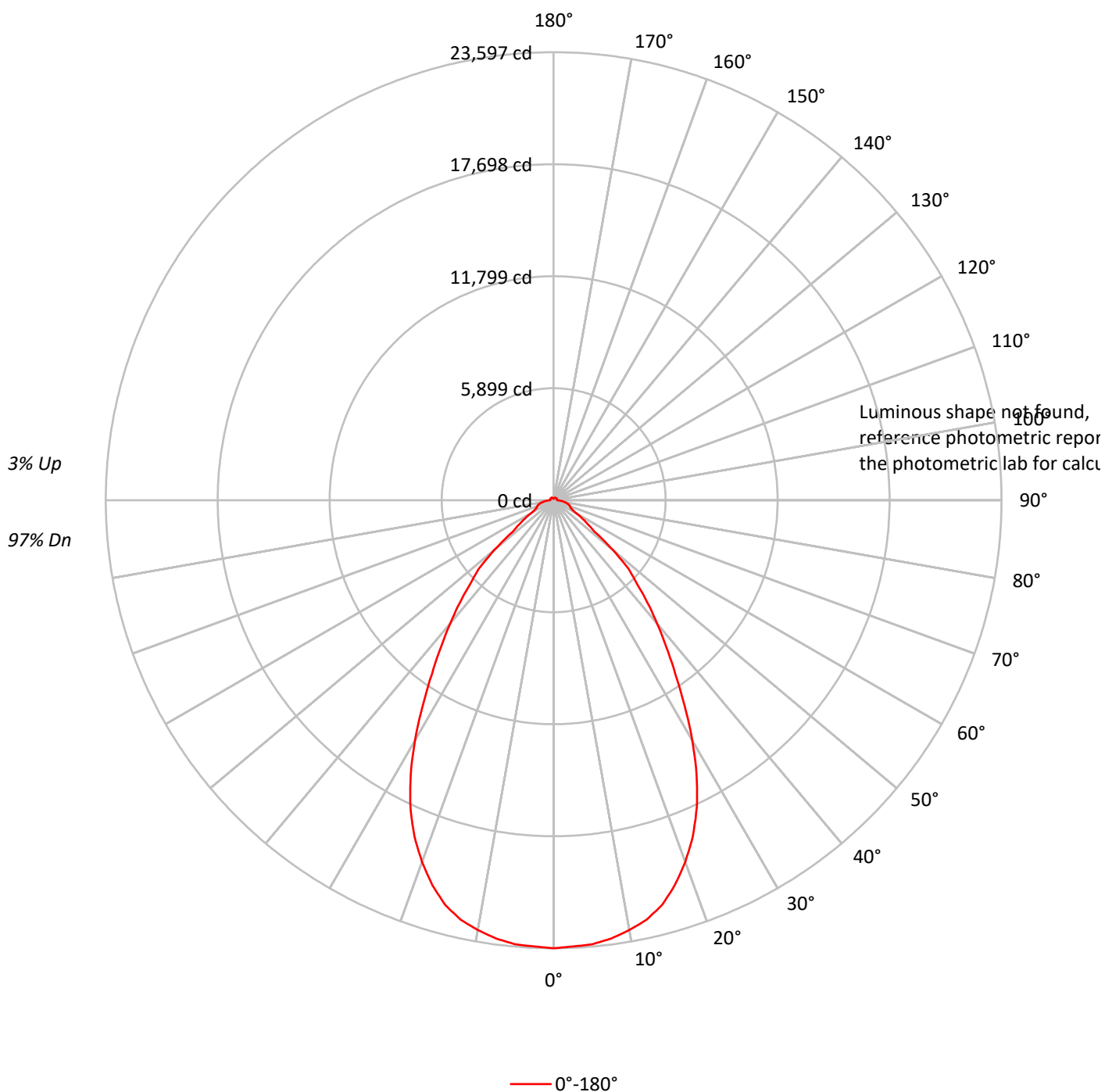
Lumens per Lamp: N/A
Luminaire Lumens: 33837.2 lumens
Efficiency: N/A
Efficacy: 145.0 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 233.3
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





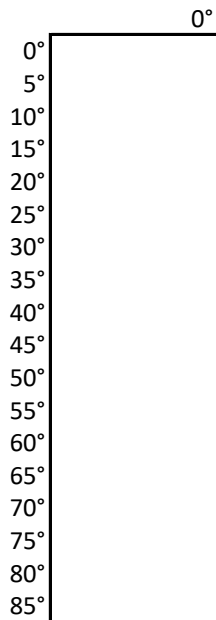
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	97	95	95	94	92	92	90	89	87		
2	103	97	92	88	101	95	90	86	91	87	84	88	84	82	84	82	79	77		
3	97	88	82	77	94	87	81	76	84	79	75	81	76	73	78	74	71	69		
4	90	81	74	69	88	79	73	68	77	71	67	74	70	66	72	68	65	63		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	62	59	57		
6	79	69	61	56	77	68	61	56	66	60	55	64	58	54	62	57	54	52		
7	75	63	56	51	73	63	56	51	61	55	50	59	54	50	58	53	49	48		
8	70	59	52	47	69	58	51	47	57	51	46	55	50	46	54	49	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	46	42	51	46	42	41		
10	63	51	45	40	61	51	44	40	50	44	40	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2224.6	6.6
10°-20°	6166.5	18.2
20°-30°	8111.2	24.0
30°-40°	7040.1	20.8
40°-50°	4818.9	14.2
50°-60°	2091.2	6.2
60°-70°	1054.3	3.1
70°-80°	827.0	2.4
80°-90°	433.8	1.3
90°-100°	199.8	0.6
100°-110°	196.2	0.6
110°-120°	181.6	0.5
120°-130°	157.4	0.5
130°-140°	129.1	0.4
140°-150°	101.6	0.3
150°-160°	65.9	0.2
160°-170°	30.2	0.1
170°-180°	7.8	0.0
0°-30°	16502.3	48.8
0°-40°	23542.4	69.6
0°-60°	30452.4	90.0
0°-90°	32767.6	96.8
90°-120°	577.6	1.7
90°-150°	965.7	2.9
90°-180°	1070.0	3.2
0°-180°	33837.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23597	
5°	23472	###
15°	22066	6167
25°	17846	8111
35°	11184	7040
45°	6176	4819
55°	2197	2091
65°	1012	1054
75°	795	827
85°	399	369
90°	183	114
95°	183	150
105°	186	196
115°	183	182
125°	176	157
135°	166	129
145°	162	102
155°	142	66
165°	104	30
175°	78	8
180°	76	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23596.8
2.5°	23523.6
5°	23472.3
7.5°	23280.7
10°	22988.9
12.5°	22625.2
15°	22066.2
17.5°	21250.8
20°	20269.4
22.5°	19161.1
25°	17846.5
27.5°	16308.6
30°	14616.8
32.5°	12828.6
35°	11184.4
37.5°	9746.6
40°	8477.1
42.5°	7310.2
45°	6176.3
47.5°	5353.6
50°	4080.5
52.5°	2702.4
55°	2197.1
57.5°	1777.2
60°	1393.9
62.5°	1141.3
65°	1011.9
67.5°	952.1
70°	915.5
72.5°	864.2
75°	794.6
77.5°	709.2
80°	611.5
82.5°	507.8
85°	399.1
87.5°	288.1
90°	183.1
92.5°	180.7
95°	183.1
97.5°	184.3
100°	185.5
102.5°	185.5
105°	185.5
107.5°	185.5
110°	185.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	184.3
115°	183.1
117.5°	181.9
120°	179.4
122.5°	177.0
125°	175.8
127.5°	173.3
130°	170.9
132.5°	168.4
135°	166.0
137.5°	164.8
140°	163.6
142.5°	162.3
145°	162.3
147.5°	161.1
150°	158.7
152.5°	150.1
155°	141.6
157.5°	133.0
160°	123.3
162.5°	113.5
165°	103.8
167.5°	95.2
170°	89.1
172.5°	81.8
175°	78.1
177.5°	75.7
180°	75.7

(END OF REPORT)