

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: P1505203

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505203
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-113)
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 (3000K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

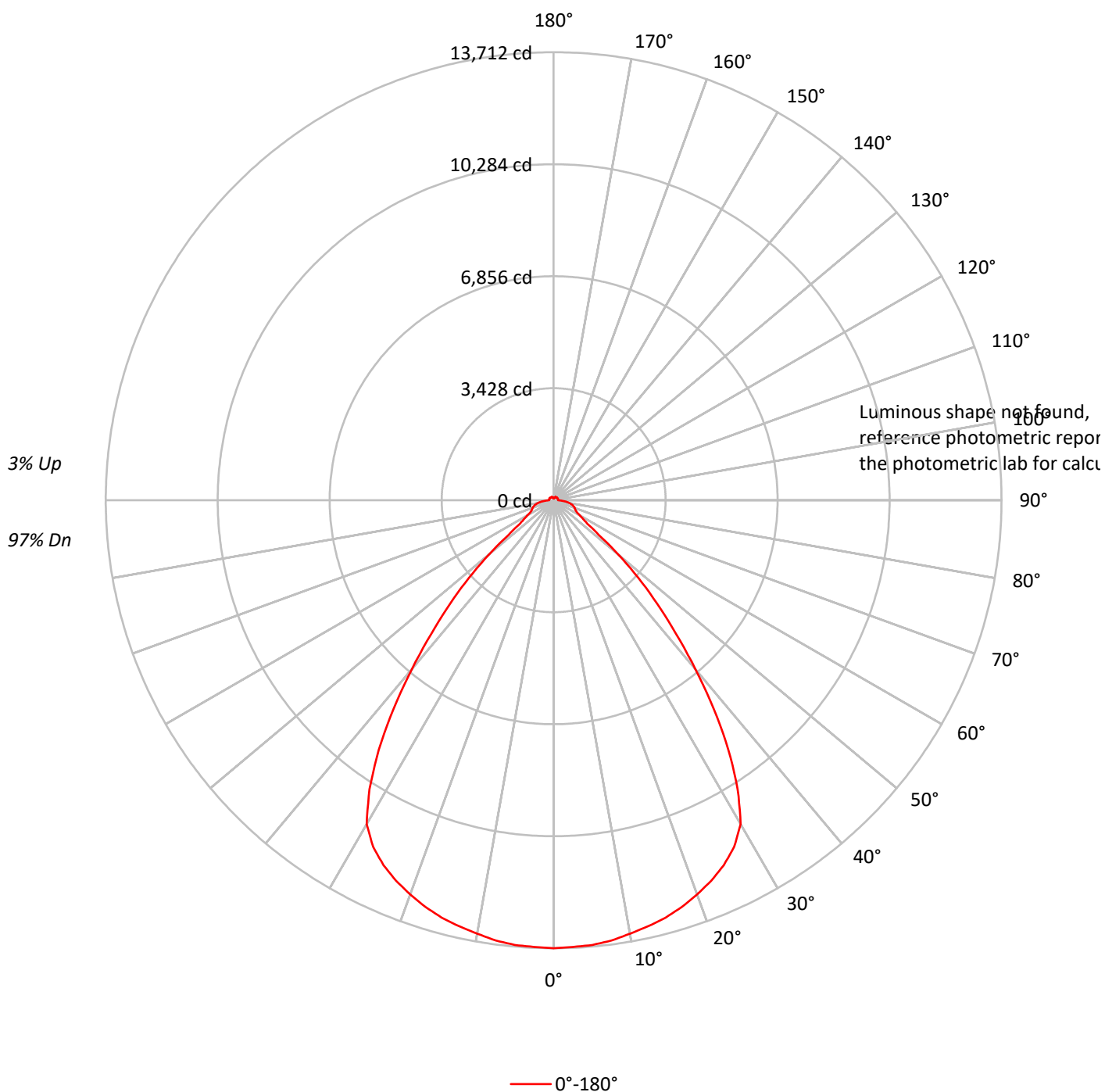
Lumens per Lamp: N/A
Luminaire Lumens: 23726.3 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 159.4
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



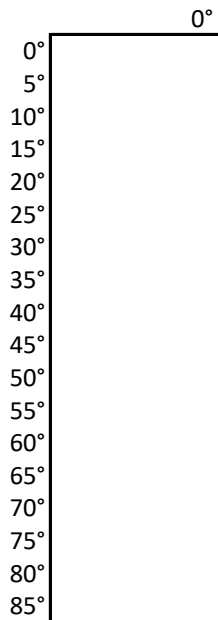
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	110	107	103	100	108	104	101	98	99	97	95	95	93	91	91	90	88	86		
2	103	97	91	87	100	94	90	86	91	87	83	87	84	81	84	81	79	77		
3	96	88	81	76	94	86	80	75	83	78	74	80	76	72	77	73	70	68		
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	62		
5	84	73	66	61	82	72	65	60	70	64	59	68	62	58	66	61	57	56		
6	78	67	60	55	76	66	59	54	64	58	54	62	57	53	61	56	52	50		
7	74	62	55	50	72	61	54	49	60	53	49	58	52	48	56	52	48	46		
8	69	58	50	45	67	57	50	45	55	49	45	54	48	44	53	48	44	42		
9	65	53	46	42	64	53	46	41	51	45	41	50	45	41	49	44	40	39		
10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37	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°	1297.9	5.5
10°-20°	3732.0	15.7
20°-30°	5655.6	23.8
30°-40°	5748.2	24.2
40°-50°	3478.4	14.7
50°-60°	1292.2	5.4
60°-70°	760.1	3.2
70°-80°	634.5	2.7
80°-90°	342.5	1.4
90°-100°	147.8	0.6
100°-110°	145.4	0.6
110°-120°	133.9	0.6
120°-130°	115.5	0.5
130°-140°	94.7	0.4
140°-150°	73.6	0.3
150°-160°	47.3	0.2
160°-170°	21.2	0.1
170°-180°	5.3	0.0
0°-30°	10685.5	45.0
0°-40°	16433.7	69.3
0°-60°	21204.4	89.4
0°-90°	22941.5	96.7
90°-120°	427.1	1.8
90°-150°	711.0	3.0
90°-180°	785.0	3.3
0°-180°	23726.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13712	
5°	13662	###
15°	13228	3732
25°	12322	5656
35°	9330	5748
45°	4475	3478
55°	1258	1292
65°	746	760
75°	608	634
85°	318	293
90°	135	86
95°	135	111
105°	138	145
115°	135	134
125°	129	116
135°	122	95
145°	117	74
155°	102	47
165°	73	21
175°	52	5
180°	50	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13712.4
2.5°	13685.2
5°	13662.1
7.5°	13588.6
10°	13469.0
12.5°	13356.8
15°	13228.1
17.5°	13050.7
20°	12837.9
22.5°	12605.2
25°	12322.3
27.5°	11962.5
30°	11446.9
32.5°	10486.6
35°	9330.0
37.5°	8057.0
40°	6750.2
42.5°	5539.9
45°	4474.8
47.5°	3512.9
50°	2577.3
52.5°	1742.4
55°	1258.1
57.5°	1070.9
60°	920.7
62.5°	805.2
65°	745.8
67.5°	712.8
70°	688.9
72.5°	655.1
75°	608.0
77.5°	551.9
80°	485.1
82.5°	406.7
85°	317.6
87.5°	222.8
90°	135.3
92.5°	134.5
95°	135.3
97.5°	136.1
100°	137.0
102.5°	137.8
105°	137.8
107.5°	137.0
110°	137.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	136.1
115°	135.3
117.5°	133.7
120°	132.0
122.5°	130.4
125°	128.7
127.5°	127.1
130°	125.4
132.5°	123.8
135°	122.1
137.5°	120.5
140°	119.6
142.5°	118.0
145°	117.2
147.5°	116.3
150°	113.9
152.5°	108.1
155°	101.5
157.5°	94.9
160°	88.3
162.5°	80.0
165°	72.6
167.5°	66.8
170°	61.1
172.5°	56.1
175°	52.0
177.5°	50.3
180°	50.3

(END OF REPORT)