

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: P1505204

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505204
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 (3000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

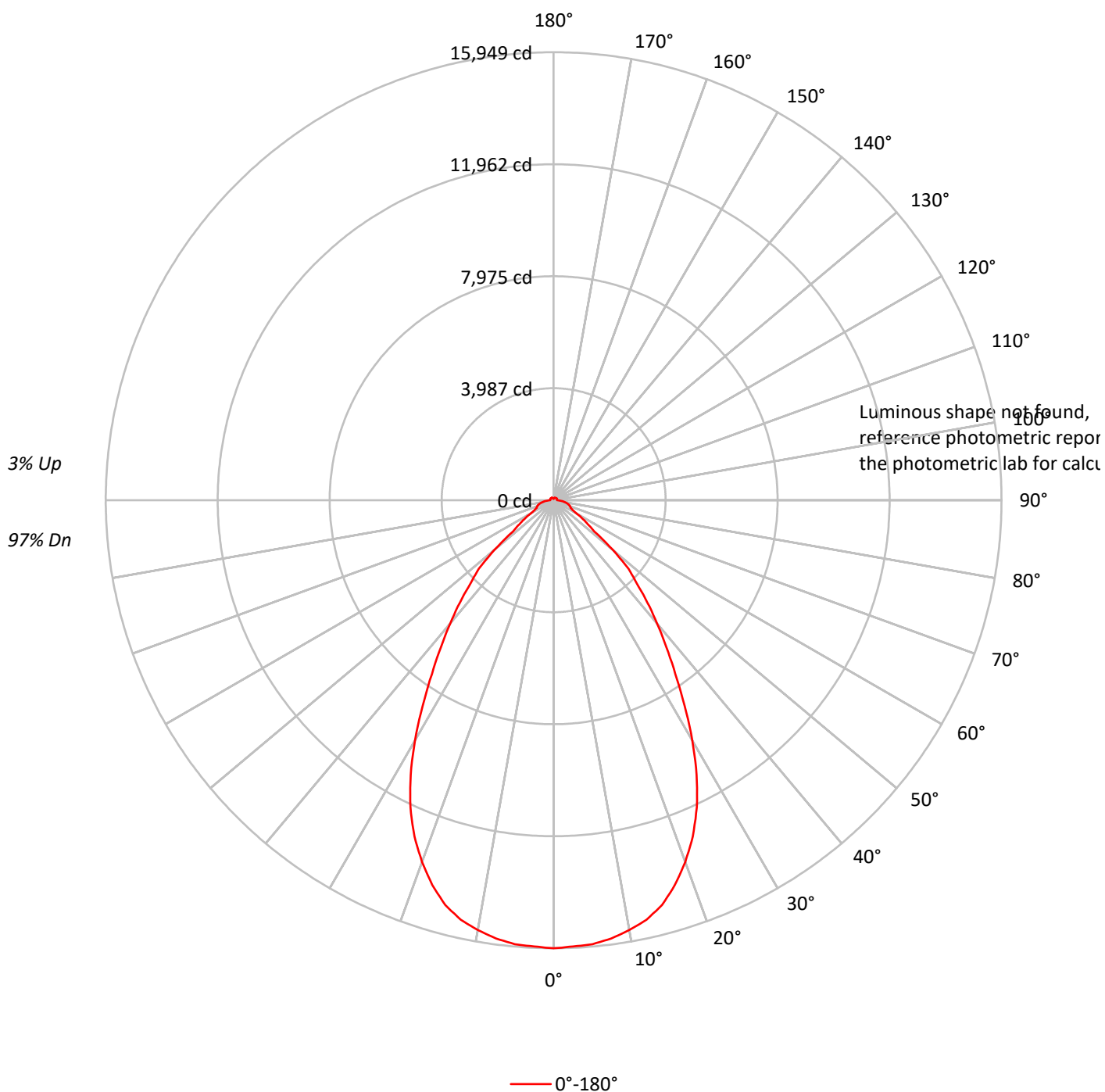
Lumens per Lamp: N/A
Luminaire Lumens: 22870.5 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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



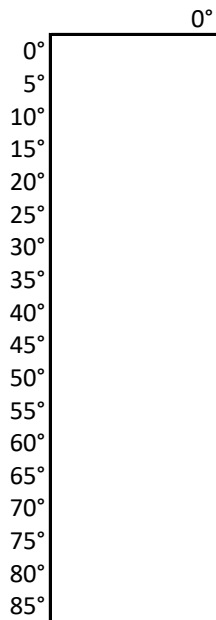
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	111	107	104	101	108	105	102	99	100	97	95	95	94	92	91	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°	1503.6	6.6
10°-20°	4167.9	18.2
20°-30°	5482.3	24.0
30°-40°	4758.3	20.8
40°-50°	3257.0	14.2
50°-60°	1413.4	6.2
60°-70°	712.6	3.1
70°-80°	559.0	2.4
80°-90°	293.2	1.3
90°-100°	135.0	0.6
100°-110°	132.7	0.6
110°-120°	122.8	0.5
120°-130°	106.4	0.5
130°-140°	87.3	0.4
140°-150°	68.7	0.3
150°-160°	44.6	0.2
160°-170°	20.4	0.1
170°-180°	5.3	0.0
0°-30°	11153.8	48.8
0°-40°	15912.2	69.6
0°-60°	20582.7	90.0
0°-90°	22147.5	96.8
90°-120°	390.5	1.7
90°-150°	652.8	2.9
90°-180°	723.0	3.2
0°-180°	22870.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15949	
5°	15865	###
15°	14914	4168
25°	12062	5482
35°	7560	4758
45°	4174	3257
55°	1485	1413
65°	684	713
75°	537	559
85°	270	250
90°	124	77
95°	124	101
105°	125	133
115°	124	123
125°	119	106
135°	112	87
145°	110	69
155°	96	45
165°	70	20
175°	53	5
180°	51	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15949.0
2.5°	15899.5
5°	15864.8
7.5°	15735.3
10°	15538.1
12.5°	15292.3
15°	14914.4
17.5°	14363.3
20°	13700.0
22.5°	12950.9
25°	12062.4
27.5°	11022.9
30°	9879.4
32.5°	8670.8
35°	7559.5
37.5°	6587.7
40°	5729.6
42.5°	4940.9
45°	4174.5
47.5°	3618.5
50°	2758.0
52.5°	1826.6
55°	1485.0
57.5°	1201.2
60°	942.2
62.5°	771.4
65°	683.9
67.5°	643.5
70°	618.8
72.5°	584.1
75°	537.1
77.5°	479.3
80°	413.3
82.5°	343.2
85°	269.8
87.5°	194.7
90°	123.8
92.5°	122.1
95°	123.8
97.5°	124.6
100°	125.4
102.5°	125.4
105°	125.4
107.5°	125.4
110°	125.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	124.6
115°	123.8
117.5°	122.9
120°	121.3
122.5°	119.6
125°	118.8
127.5°	117.2
130°	115.5
132.5°	113.9
135°	112.2
137.5°	111.4
140°	110.6
142.5°	109.7
145°	109.7
147.5°	108.9
150°	107.3
152.5°	101.5
155°	95.7
157.5°	89.9
160°	83.3
162.5°	76.7
165°	70.1
167.5°	64.4
170°	60.2
172.5°	55.3
175°	52.8
177.5°	51.2
180°	51.2

(END OF REPORT)