

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: P1505222

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (4000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505222
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 (4000K_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

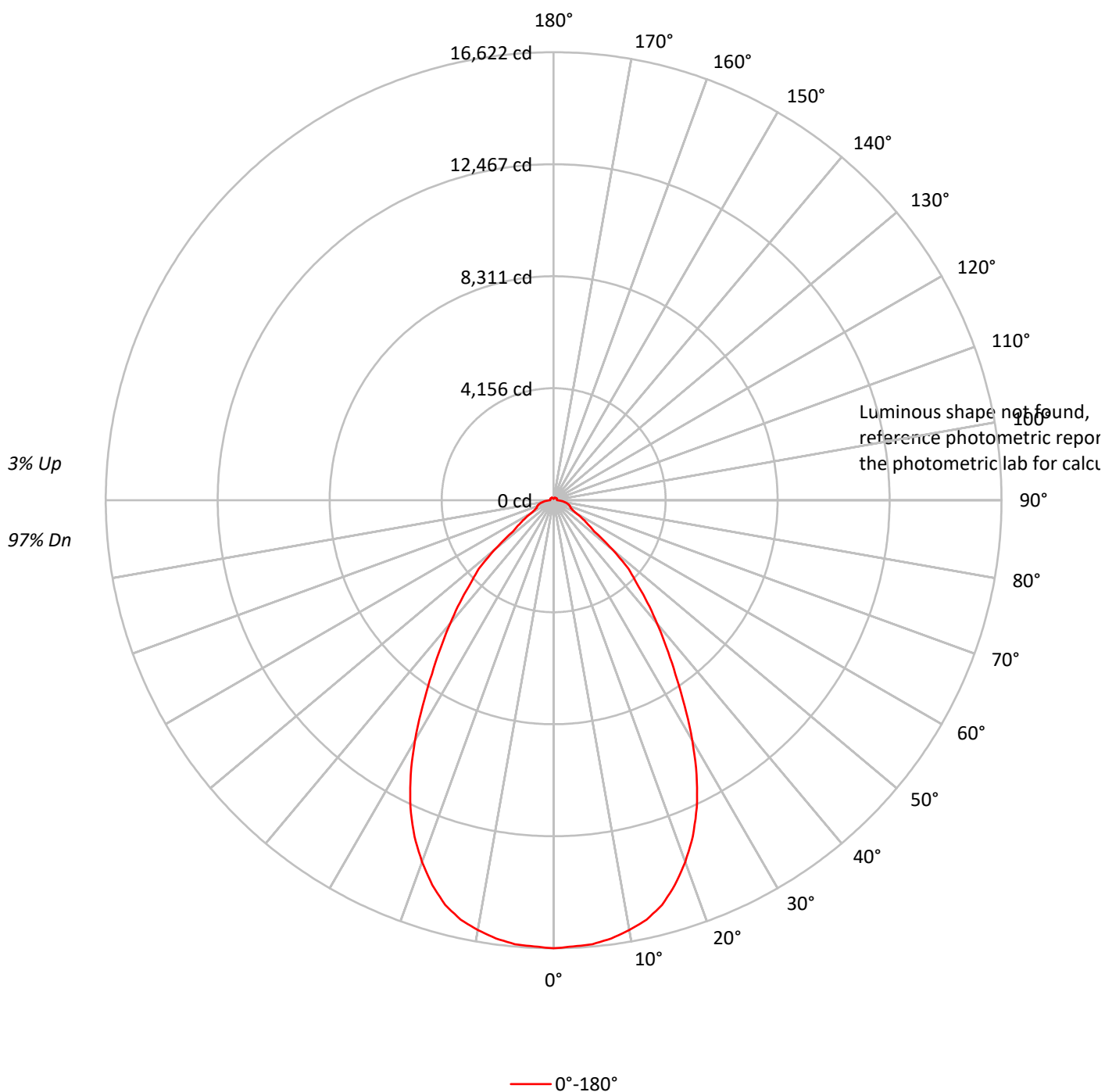
Lumens per Lamp: N/A
Luminaire Lumens: 23835.6 lumens
Efficiency: N/A
Efficacy: 153.1 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 155.7
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





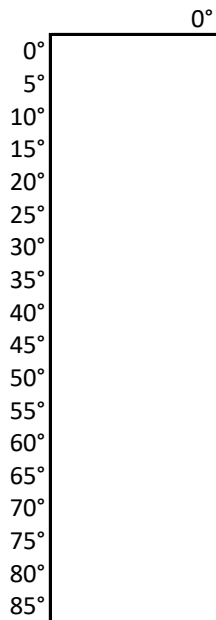
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	1567.1	6.6
10°-20°	4343.8	18.2
20°-30°	5713.7	24.0
30°-40°	4959.1	20.8
40°-50°	3394.5	14.2
50°-60°	1473.1	6.2
60°-70°	742.7	3.1
70°-80°	582.6	2.4
80°-90°	305.6	1.3
90°-100°	140.7	0.6
100°-110°	138.3	0.6
110°-120°	127.9	0.5
120°-130°	110.8	0.5
130°-140°	91.0	0.4
140°-150°	71.6	0.3
150°-160°	46.4	0.2
160°-170°	21.3	0.1
170°-180°	5.5	0.0
0°-30°	11624.5	48.8
0°-40°	16583.6	69.6
0°-60°	21451.2	90.0
0°-90°	23082.0	96.8
90°-120°	406.9	1.7
90°-150°	680.4	2.9
90°-180°	754.0	3.2
0°-180°	23835.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16622	
5°	16534	###
15°	15544	4344
25°	12571	5714
35°	7878	4959
45°	4351	3395
55°	1548	1473
65°	713	743
75°	560	583
85°	281	260
90°	129	81
95°	129	106
105°	131	138
115°	129	128
125°	124	111
135°	117	91
145°	114	72
155°	100	46
165°	73	21
175°	55	5
180°	53	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16622.0
2.5°	16570.4
5°	16534.3
7.5°	16399.3
10°	16193.8
12.5°	15937.5
15°	15543.7
17.5°	14969.4
20°	14278.1
22.5°	13497.4
25°	12571.4
27.5°	11488.0
30°	10296.3
32.5°	9036.7
35°	7878.5
37.5°	6865.6
40°	5971.4
42.5°	5149.4
45°	4350.7
47.5°	3771.2
50°	2874.4
52.5°	1903.6
55°	1547.7
57.5°	1251.9
60°	981.9
62.5°	803.9
65°	712.8
67.5°	670.7
70°	644.9
72.5°	608.7
75°	559.7
77.5°	499.6
80°	430.8
82.5°	357.7
85°	281.2
87.5°	202.9
90°	129.0
92.5°	127.3
95°	129.0
97.5°	129.8
100°	130.7
102.5°	130.7
105°	130.7
107.5°	130.7
110°	130.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	129.8
115°	129.0
117.5°	128.1
120°	126.4
122.5°	124.7
125°	123.8
127.5°	122.1
130°	120.4
132.5°	118.7
135°	116.9
137.5°	116.1
140°	115.2
142.5°	114.4
145°	114.4
147.5°	113.5
150°	111.8
152.5°	105.8
155°	99.7
157.5°	93.7
160°	86.8
162.5°	80.0
165°	73.1
167.5°	67.1
170°	62.8
172.5°	57.6
175°	55.0
177.5°	53.3
180°	53.3

(END OF REPORT)