

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: P1505205

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505205
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-114)
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_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

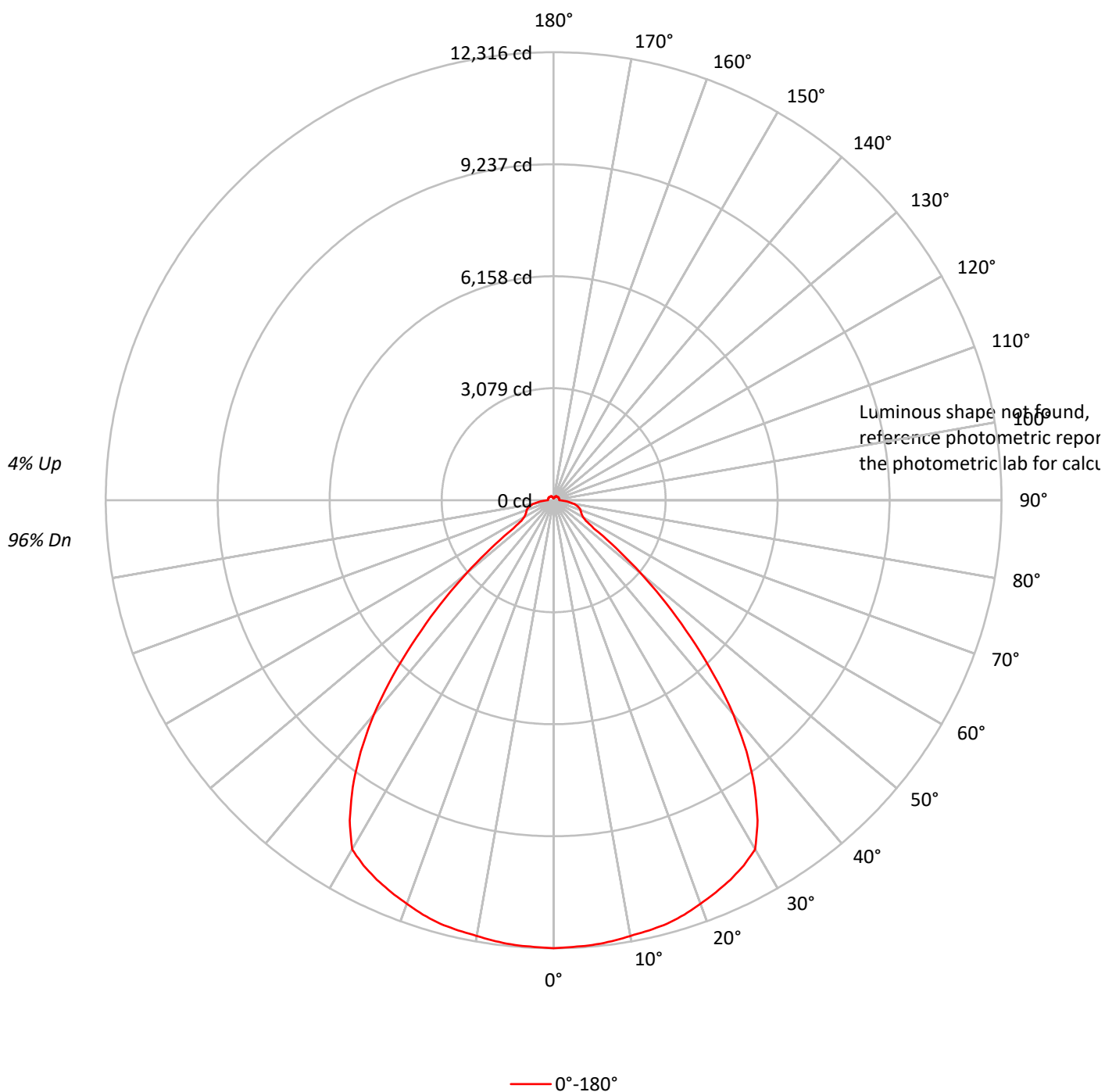
Lumens per Lamp: N/A
Luminaire Lumens: 24239.2 lumens
Efficiency: N/A
Efficacy: 152.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.23
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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	50	30	10	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	99	99			
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87	87	87	87	87	85			
2	102	96	90	86	100	94	89	84	90	85	82	86	82	79	82	80	77	77	77	77	77	75			
3	95	87	80	75	93	85	79	74	81	76	72	78	74	70	76	72	69	69	69	69	69	67			
4	89	79	71	66	86	77	70	65	74	69	64	72	67	63	69	65	62	62	62	62	62	60			
5	83	72	64	59	80	70	63	58	68	62	57	66	61	56	64	59	55	55	55	55	55	54			
6	77	66	58	53	75	65	57	52	63	56	52	61	55	51	59	54	50	50	50	50	50	48			
7	72	60	53	47	70	59	52	47	58	51	47	56	50	46	54	49	46	46	46	46	46	44			
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	51	45	42	42	42	42	42	40			
9	63	52	44	39	62	51	44	39	49	43	39	48	43	38	47	42	38	38	38	38	38	36			
10	60	48	41	36	58	47	40	36	46	40	36	45	39	35	44	39	35	35	35	35	35	33			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1168.0	4.8
10°-20°	3403.3	14.0
20°-30°	5305.8	21.9
30°-40°	5952.6	24.6
40°-50°	4108.9	17.0
50°-60°	1460.6	6.0
60°-70°	841.0	3.5
70°-80°	730.0	3.0
80°-90°	385.5	1.6
90°-100°	167.4	0.7
100°-110°	164.2	0.7
110°-120°	151.1	0.6
120°-130°	130.8	0.5
130°-140°	106.6	0.4
140°-150°	82.0	0.3
150°-160°	52.5	0.2
160°-170°	23.2	0.1
170°-180°	5.6	0.0
0°-30°	9877.1	40.7
0°-40°	15829.7	65.3
0°-60°	21399.1	88.3
0°-90°	23355.7	96.4
90°-120°	482.8	2.0
90°-150°	802.2	3.3
90°-180°	884.0	3.6
0°-180°	24239.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12316	
5°	12275	###
15°	12053	3403
25°	11507	5306
35°	9635	5953
45°	5320	4109
55°	1351	1461
65°	840	841
75°	701	730
85°	352	330
90°	154	97
95°	154	126
105°	155	164
115°	153	151
125°	146	131
135°	138	107
145°	130	82
155°	113	52
165°	79	23
175°	55	6
180°	53	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12315.6
2.5°	12290.9
5°	12275.2
7.5°	12228.2
10°	12160.5
12.5°	12111.9
15°	12053.3
17.5°	11946.0
20°	11805.8
22.5°	11664.7
25°	11507.1
27.5°	11319.9
30°	11081.4
32.5°	10436.3
35°	9635.2
37.5°	8712.9
40°	7686.6
42.5°	6534.9
45°	5320.4
47.5°	4210.8
50°	3127.6
52.5°	2162.3
55°	1351.4
57.5°	1046.9
60°	944.6
62.5°	877.0
65°	839.9
67.5°	811.0
70°	785.4
72.5°	750.8
75°	701.3
77.5°	639.4
80°	558.5
82.5°	458.7
85°	352.3
87.5°	248.3
90°	153.5
92.5°	151.8
95°	153.5
97.5°	154.3
100°	155.1
102.5°	155.9
105°	155.1
107.5°	155.1
110°	154.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	153.5
115°	152.6
117.5°	151.0
120°	149.3
122.5°	147.7
125°	146.0
127.5°	143.6
130°	141.9
132.5°	139.4
135°	137.8
137.5°	135.3
140°	133.7
142.5°	132.0
145°	130.4
147.5°	129.5
150°	126.2
152.5°	120.5
155°	113.0
157.5°	104.8
160°	97.4
162.5°	88.3
165°	79.2
167.5°	71.8
170°	66.0
172.5°	59.4
175°	55.3
177.5°	52.8
180°	52.8

(END OF REPORT)