

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: P1505233

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (5000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505233
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 (5000K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

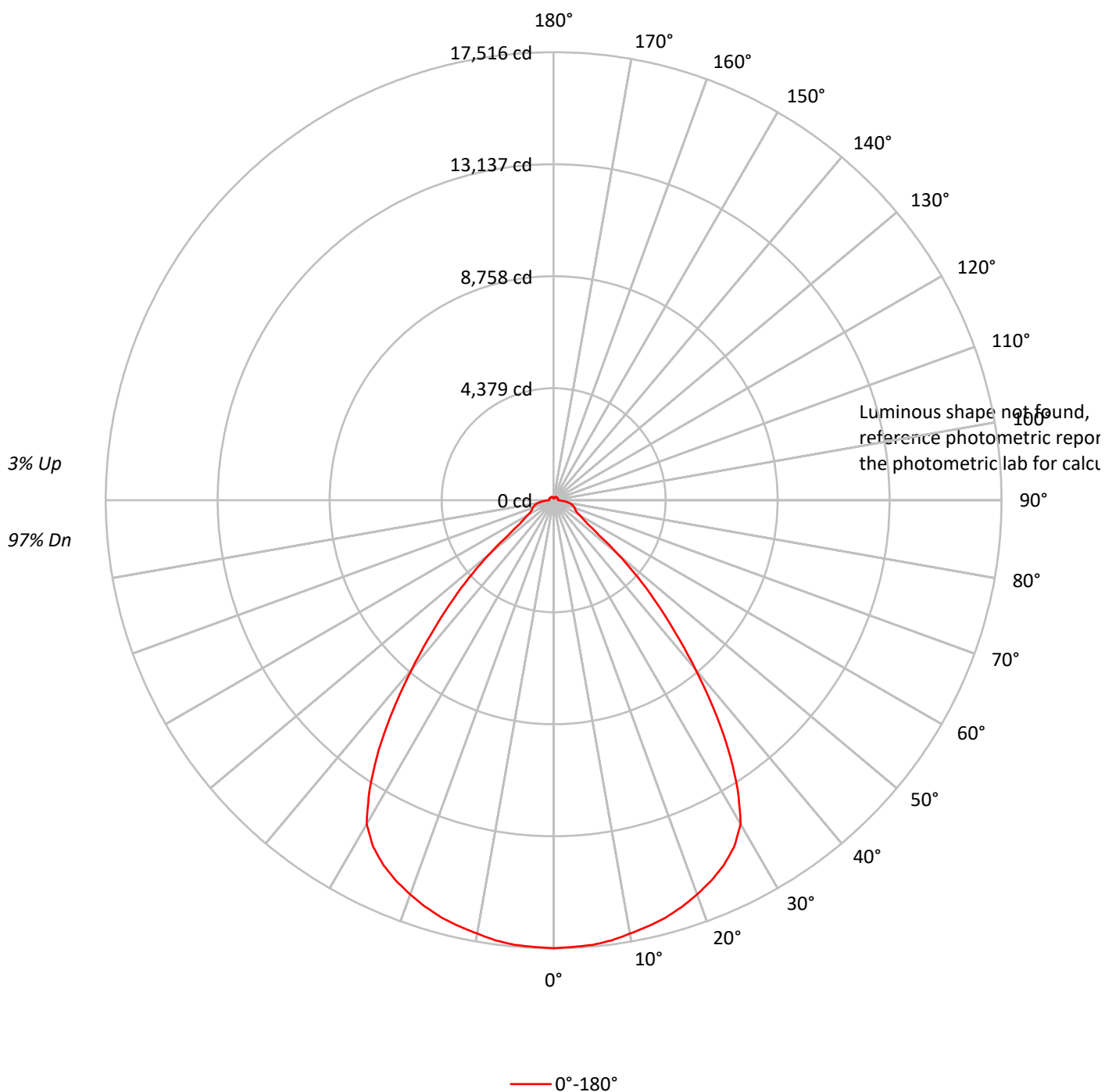
Lumens per Lamp: N/A
Luminaire Lumens: 30306.9 lumens
Efficiency: N/A
Efficacy: 155.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 195.5
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°	1657.9	5.5
10°-20°	4767.1	15.7
20°-30°	7224.3	23.8
30°-40°	7342.6	24.2
40°-50°	4443.2	14.7
50°-60°	1650.7	5.4
60°-70°	971.0	3.2
70°-80°	810.5	2.7
80°-90°	437.5	1.4
90°-100°	188.8	0.6
100°-110°	185.6	0.6
110°-120°	171.1	0.6
120°-130°	147.6	0.5
130°-140°	121.0	0.4
140°-150°	94.0	0.3
150°-160°	60.4	0.2
160°-170°	27.1	0.1
170°-180°	6.7	0.0
0°-30°	13649.3	45.0
0°-40°	20991.8	69.3
0°-60°	27085.7	89.4
0°-90°	29304.6	96.7
90°-120°	545.5	1.8
90°-150°	908.1	3.0
90°-180°	1002.0	3.3
0°-180°	30306.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17516	
5°	17451	###
15°	16897	4767
25°	15740	7224
35°	11918	7343
45°	5716	4443
55°	1607	1651
65°	953	971
75°	777	810
85°	406	375
90°	173	110
95°	173	142
105°	176	186
115°	173	171
125°	164	148
135°	156	121
145°	150	94
155°	130	60
165°	93	27
175°	66	7
180°	64	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17515.7
2.5°	17480.9
5°	17451.4
7.5°	17357.6
10°	17204.8
12.5°	17061.5
15°	16897.1
17.5°	16670.5
20°	16398.7
22.5°	16101.5
25°	15740.0
27.5°	15280.5
30°	14621.9
32.5°	13395.2
35°	11917.8
37.5°	10291.7
40°	8622.4
42.5°	7076.5
45°	5716.0
47.5°	4487.2
50°	3292.2
52.5°	2225.7
55°	1607.1
57.5°	1367.9
60°	1176.1
62.5°	1028.5
65°	952.7
67.5°	910.5
70°	879.9
72.5°	836.7
75°	776.7
77.5°	705.0
80°	619.7
82.5°	519.5
85°	405.7
87.5°	284.5
90°	172.8
92.5°	171.8
95°	172.8
97.5°	173.9
100°	174.9
102.5°	176.0
105°	176.0
107.5°	174.9
110°	174.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	173.9
115°	172.8
117.5°	170.7
120°	168.6
122.5°	166.5
125°	164.4
127.5°	162.3
130°	160.2
132.5°	158.1
135°	156.0
137.5°	153.9
140°	152.8
142.5°	150.7
145°	149.6
147.5°	148.6
150°	145.4
152.5°	138.1
155°	129.6
157.5°	121.2
160°	112.8
162.5°	102.2
165°	92.7
167.5°	85.4
170°	78.0
172.5°	71.7
175°	66.4
177.5°	64.3
180°	64.3

(END OF REPORT)