

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: P1505242

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (6500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505242
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 (6500K_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

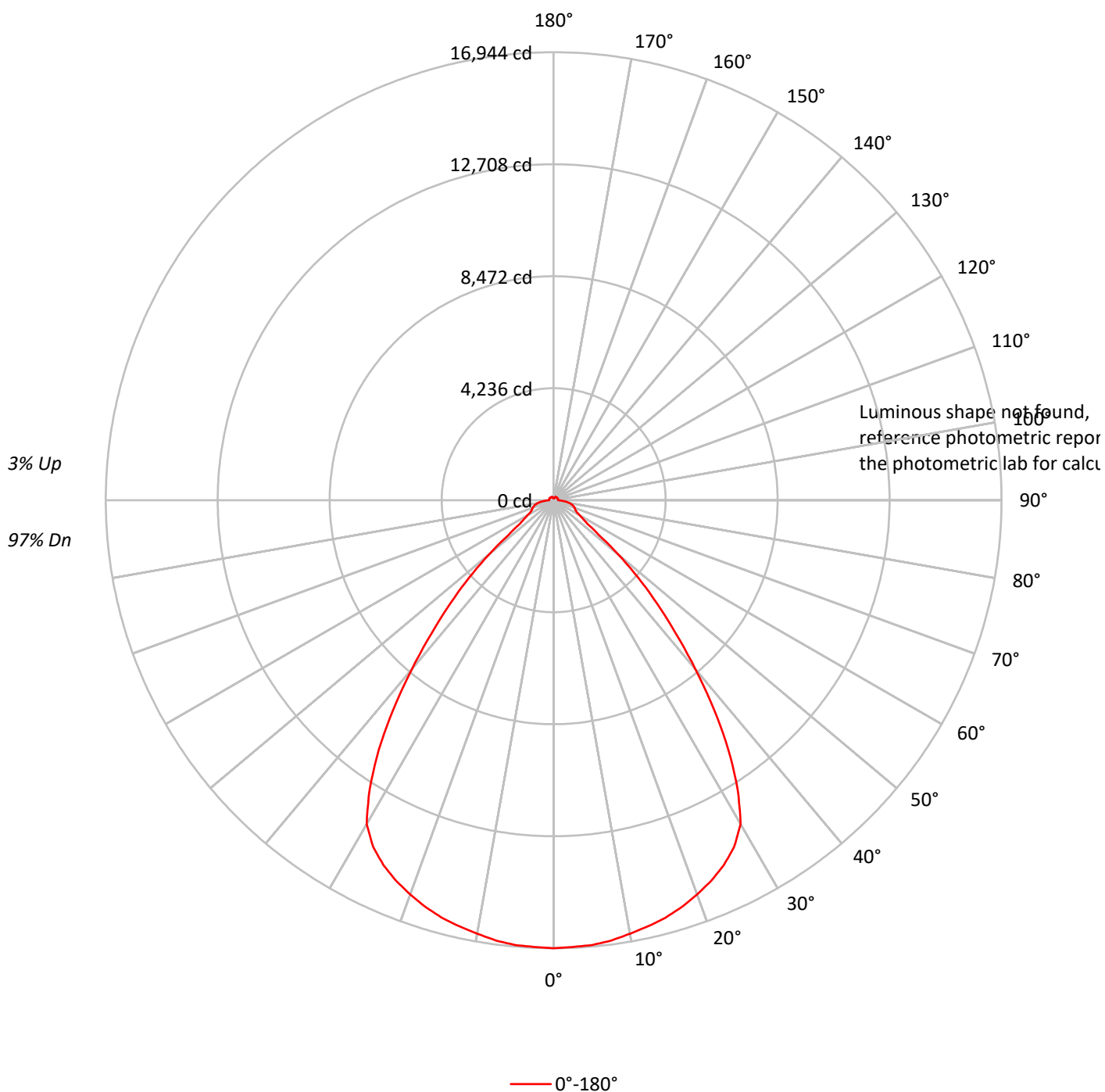
Lumens per Lamp: N/A
Luminaire Lumens: 29318.0 lumens
Efficiency: N/A
Efficacy: 146.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 200.1
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

TEST NUMBER: P1505242

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (6500K_L32_Medium_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1505242

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (6500K_L32_Medium_120V)

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: -

TEST NUMBER: P1505242

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (6500K_L32_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1603.8	5.5
10°-20°	4611.6	15.7
20°-30°	6988.5	23.8
30°-40°	7103.0	24.2
40°-50°	4298.2	14.7
50°-60°	1596.8	5.4
60°-70°	939.3	3.2
70°-80°	784.0	2.7
80°-90°	423.2	1.4
90°-100°	182.7	0.6
100°-110°	179.5	0.6
110°-120°	165.5	0.6
120°-130°	142.8	0.5
130°-140°	117.0	0.4
140°-150°	90.9	0.3
150°-160°	58.4	0.2
160°-170°	26.2	0.1
170°-180°	6.5	0.0
0°-30°	13203.9	45.0
0°-40°	20306.9	69.3
0°-60°	26201.9	89.4
0°-90°	28348.4	96.7
90°-120°	527.7	1.8
90°-150°	878.4	3.0
90°-180°	970.0	3.3
0°-180°	29318.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16944	
5°	16882	###
15°	16346	4612
25°	15226	6989
35°	11529	7103
45°	5530	4298
55°	1555	1597
65°	922	939
75°	751	784
85°	392	363
90°	167	106
95°	167	137
105°	170	180
115°	167	165
125°	159	143
135°	151	117
145°	145	91
155°	125	58
165°	90	26
175°	64	7
180°	62	

TEST NUMBER: P1505242

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (6500K_L32_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	16944.2
2.5°	16910.5
5°	16882.0
7.5°	16791.3
10°	16643.5
12.5°	16504.8
15°	16345.8
17.5°	16126.6
20°	15863.6
22.5°	15576.1
25°	15226.4
27.5°	14781.9
30°	14144.8
32.5°	12958.2
35°	11528.9
37.5°	9955.9
40°	8341.1
42.5°	6845.6
45°	5529.5
47.5°	4340.8
50°	3184.7
52.5°	2153.1
55°	1554.7
57.5°	1323.2
60°	1137.7
62.5°	995.0
65°	921.6
67.5°	880.8
70°	851.2
72.5°	809.4
75°	751.3
77.5°	682.0
80°	599.4
82.5°	502.6
85°	392.5
87.5°	275.3
90°	167.2
92.5°	166.2
95°	167.2
97.5°	168.2
100°	169.2
102.5°	170.2
105°	170.2
107.5°	169.2
110°	169.2

TEST NUMBER: P1505242

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (6500K_L32_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	168.2
115°	167.2
117.5°	165.2
120°	163.1
122.5°	161.1
125°	159.0
127.5°	157.0
130°	155.0
132.5°	152.9
135°	150.9
137.5°	148.8
140°	147.8
142.5°	145.8
145°	144.8
147.5°	143.7
150°	140.7
152.5°	133.5
155°	125.4
157.5°	117.2
160°	109.1
162.5°	98.9
165°	89.7
167.5°	82.6
170°	75.4
172.5°	69.3
175°	64.2
177.5°	62.2
180°	62.2

(END OF REPORT)