

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: P1505212

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505212
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 (3500K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

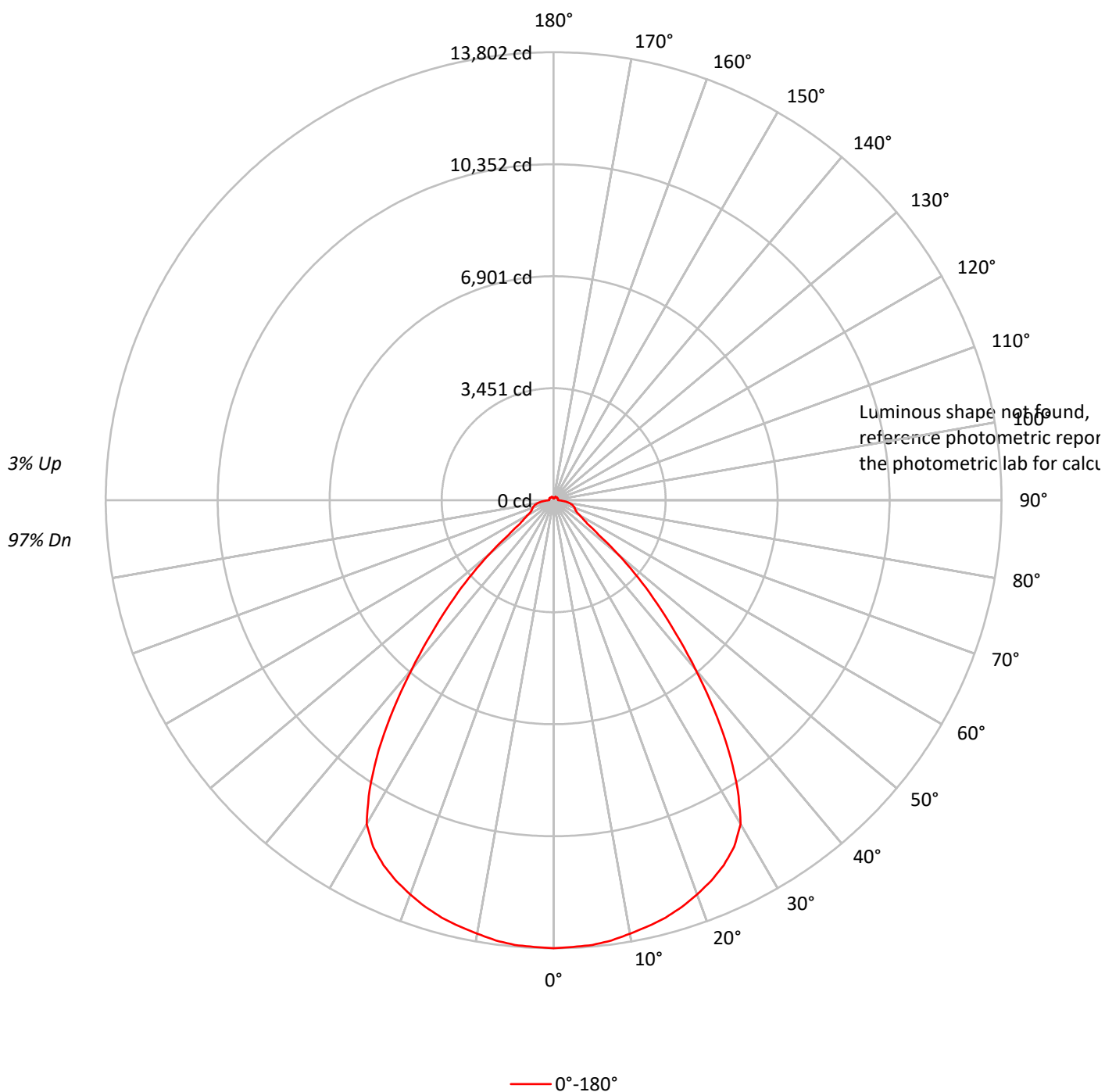
Lumens per Lamp: N/A
Luminaire Lumens: 23881.5 lumens
Efficiency: N/A
Efficacy: 151.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 157.5
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

TEST NUMBER: P1505212

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3500K_L24_Medium_120V)

Luminous Intensity Polar Plot





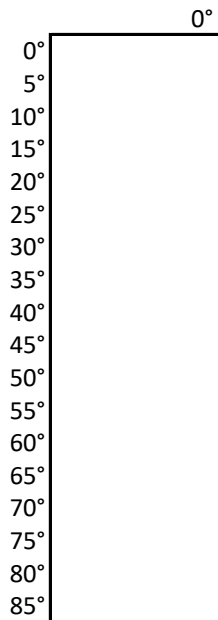
TEST NUMBER: P1505212

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3500K_L24_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: P1505212

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3500K_L24_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1306.4	5.5
10°-20°	3756.4	15.7
20°-30°	5692.6	23.8
30°-40°	5785.9	24.2
40°-50°	3501.2	14.7
50°-60°	1300.7	5.4
60°-70°	765.1	3.2
70°-80°	638.6	2.7
80°-90°	344.7	1.4
90°-100°	148.8	0.6
100°-110°	146.3	0.6
110°-120°	134.8	0.6
120°-130°	116.3	0.5
130°-140°	95.3	0.4
140°-150°	74.1	0.3
150°-160°	47.6	0.2
160°-170°	21.4	0.1
170°-180°	5.3	0.0
0°-30°	10755.5	45.0
0°-40°	16541.3	69.3
0°-60°	21343.2	89.4
0°-90°	23091.7	96.7
90°-120°	429.9	1.8
90°-150°	715.5	3.0
90°-180°	790.0	3.3
0°-180°	23881.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13802	
5°	13752	###
15°	13315	3756
25°	12403	5693
35°	9391	5786
45°	4504	3501
55°	1266	1301
65°	751	765
75°	612	639
85°	320	295
90°	136	87
95°	136	112
105°	139	146
115°	136	135
125°	130	116
135°	123	95
145°	118	74
155°	102	48
165°	73	21
175°	52	5
180°	51	

TEST NUMBER: P1505212

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3500K_L24_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	13802.2
2.5°	13774.8
5°	13751.5
7.5°	13677.6
10°	13557.2
12.5°	13444.3
15°	13314.7
17.5°	13136.2
20°	12921.9
22.5°	12687.8
25°	12402.9
27.5°	12040.9
30°	11521.9
32.5°	10555.3
35°	9391.1
37.5°	8109.7
40°	6794.4
42.5°	5576.2
45°	4504.1
47.5°	3535.9
50°	2594.2
52.5°	1753.8
55°	1266.4
57.5°	1077.9
60°	926.7
62.5°	810.5
65°	750.7
67.5°	717.5
70°	693.4
72.5°	659.3
75°	612.0
77.5°	555.5
80°	488.3
82.5°	409.4
85°	319.7
87.5°	224.2
90°	136.2
92.5°	135.4
95°	136.2
97.5°	137.0
100°	137.8
102.5°	138.7
105°	138.7
107.5°	137.8
110°	137.8

TEST NUMBER: P1505212

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3500K_L24_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	137.0
115°	136.2
117.5°	134.5
120°	132.9
122.5°	131.2
125°	129.5
127.5°	127.9
130°	126.2
132.5°	124.6
135°	122.9
137.5°	121.2
140°	120.4
142.5°	118.7
145°	117.9
147.5°	117.1
150°	114.6
152.5°	108.8
155°	102.1
157.5°	95.5
160°	88.9
162.5°	80.5
165°	73.1
167.5°	67.3
170°	61.5
172.5°	56.5
175°	52.3
177.5°	50.7
180°	50.7

(END OF REPORT)