

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: P1505232

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (5000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505232
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 (5000K_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

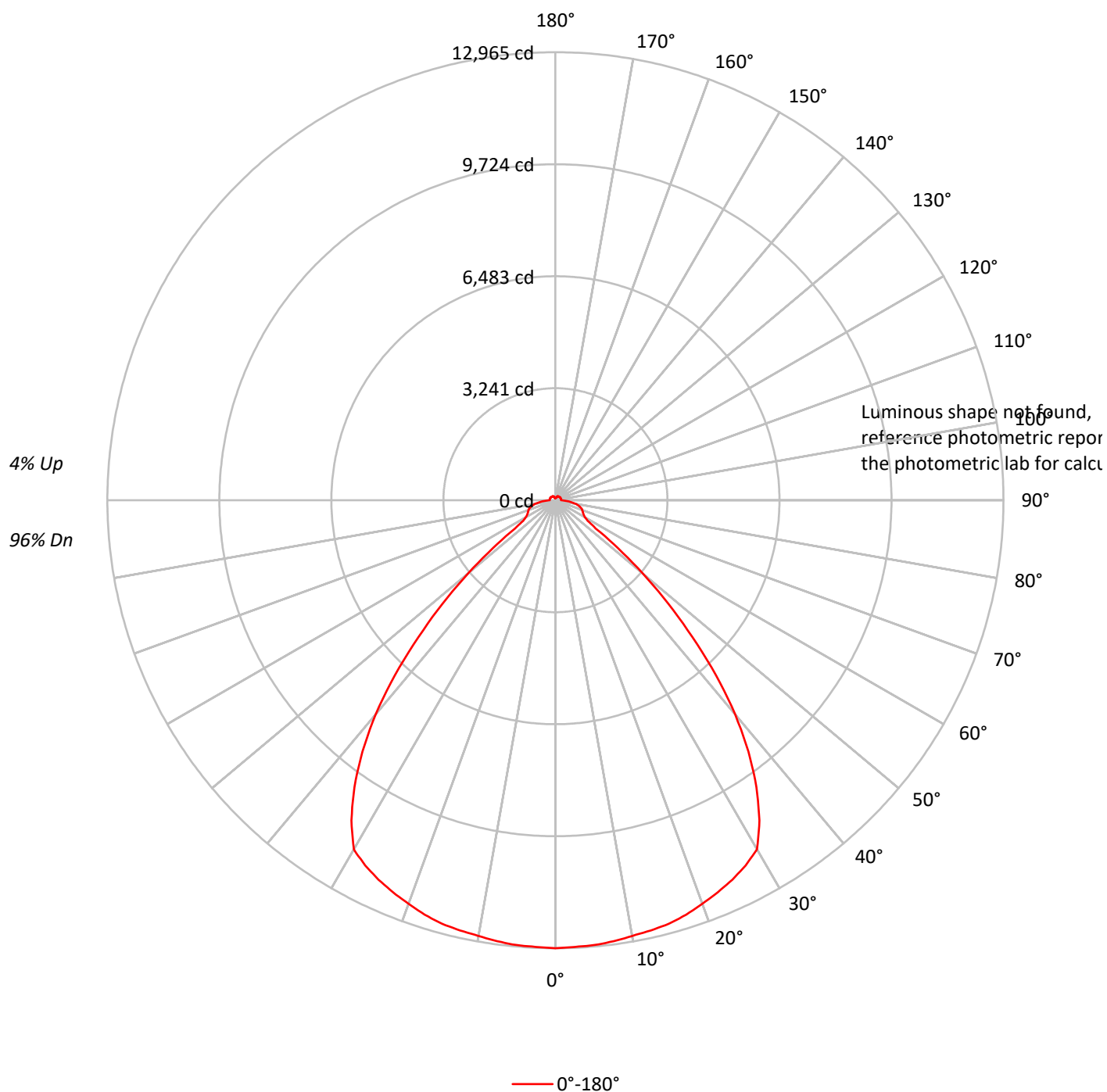
Lumens per Lamp: N/A
Luminaire Lumens: 25516.9 lumens
Efficiency: N/A
Efficacy: 163.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.23
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 156.4
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

TEST NUMBER: P1505232

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (5000K_L24_Wide_120V)

Luminous Intensity Polar Plot





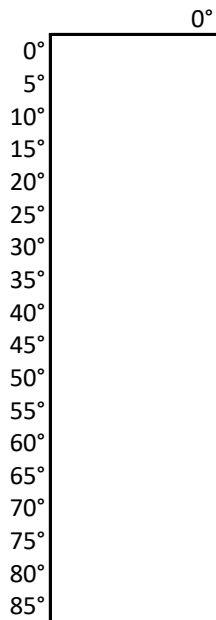
TEST NUMBER: P1505232

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (5000K_L24_Wide_120V)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				0
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	96			
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87	85			
2	102	96	90	86	100	94	89	84	90	85	82	86	82	79	82	80	77	75			
3	95	87	80	75	93	85	79	74	81	76	72	78	74	70	76	72	69	67			
4	89	79	71	66	86	77	70	65	74	69	64	72	67	63	69	65	62	60			
5	83	72	64	59	80	70	63	58	68	62	57	66	61	56	64	59	55	54			
6	77	66	58	53	75	65	57	52	63	56	52	61	55	51	59	54	50	48			
7	72	60	53	47	70	59	52	47	58	51	47	56	50	46	54	49	46	44			
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	51	45	42	40			
9	63	52	44	39	62	51	44	39	49	43	39	48	43	38	47	42	38	36			
10	60	48	41	36	58	47	40	36	46	40	36	45	39	35	44	39	35	33			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505232

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (5000K_L24_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1229.5	4.8
10°-20°	3582.7	14.0
20°-30°	5585.6	21.9
30°-40°	6266.4	24.6
40°-50°	4325.5	17.0
50°-60°	1537.6	6.0
60°-70°	885.3	3.5
70°-80°	768.5	3.0
80°-90°	405.8	1.6
90°-100°	176.2	0.7
100°-110°	172.9	0.7
110°-120°	159.1	0.6
120°-130°	137.7	0.5
130°-140°	112.2	0.4
140°-150°	86.4	0.3
150°-160°	55.3	0.2
160°-170°	24.4	0.1
170°-180°	5.9	0.0
0°-30°	10397.8	40.7
0°-40°	16664.2	65.3
0°-60°	22527.3	88.3
0°-90°	24586.9	96.4
90°-120°	508.2	2.0
90°-150°	844.5	3.3
90°-180°	930.0	3.6
0°-180°	25516.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12965	
5°	12922	###
15°	12689	3583
25°	12114	5586
35°	10143	6266
45°	5601	4326
55°	1423	1538
65°	884	885
75°	738	768
85°	371	348
90°	162	102
95°	162	132
105°	163	173
115°	161	159
125°	154	138
135°	145	112
145°	137	86
155°	119	55
165°	83	24
175°	58	6
180°	56	

TEST NUMBER: P1505232

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (5000K_L24_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	12964.9
2.5°	12938.8
5°	12922.3
7.5°	12872.8
10°	12801.6
12.5°	12750.4
15°	12688.7
17.5°	12575.8
20°	12428.2
22.5°	12279.7
25°	12113.8
27.5°	11916.6
30°	11665.6
32.5°	10986.5
35°	10143.2
37.5°	9172.2
40°	8091.8
42.5°	6879.4
45°	5600.9
47.5°	4432.8
50°	3292.5
52.5°	2276.3
55°	1422.6
57.5°	1102.1
60°	994.4
62.5°	923.2
65°	884.1
67.5°	853.7
70°	826.8
72.5°	790.3
75°	738.2
77.5°	673.1
80°	588.0
82.5°	482.9
85°	370.8
87.5°	261.4
90°	161.5
92.5°	159.8
95°	161.5
97.5°	162.4
100°	163.3
102.5°	164.1
105°	163.3
107.5°	163.3
110°	162.4

TEST NUMBER: P1505232

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (5000K_L24_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	161.5
115°	160.7
117.5°	158.9
120°	157.2
122.5°	155.5
125°	153.7
127.5°	151.1
130°	149.4
132.5°	146.8
135°	145.0
137.5°	142.4
140°	140.7
142.5°	139.0
145°	137.2
147.5°	136.4
150°	132.9
152.5°	126.8
155°	119.0
157.5°	110.3
160°	102.5
162.5°	92.9
165°	83.4
167.5°	75.6
170°	69.5
172.5°	62.5
175°	58.2
177.5°	55.6
180°	55.6

(END OF REPORT)