

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: P1505599

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (6500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505599
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-125)
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-B-06-TRWH-PS (6500K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

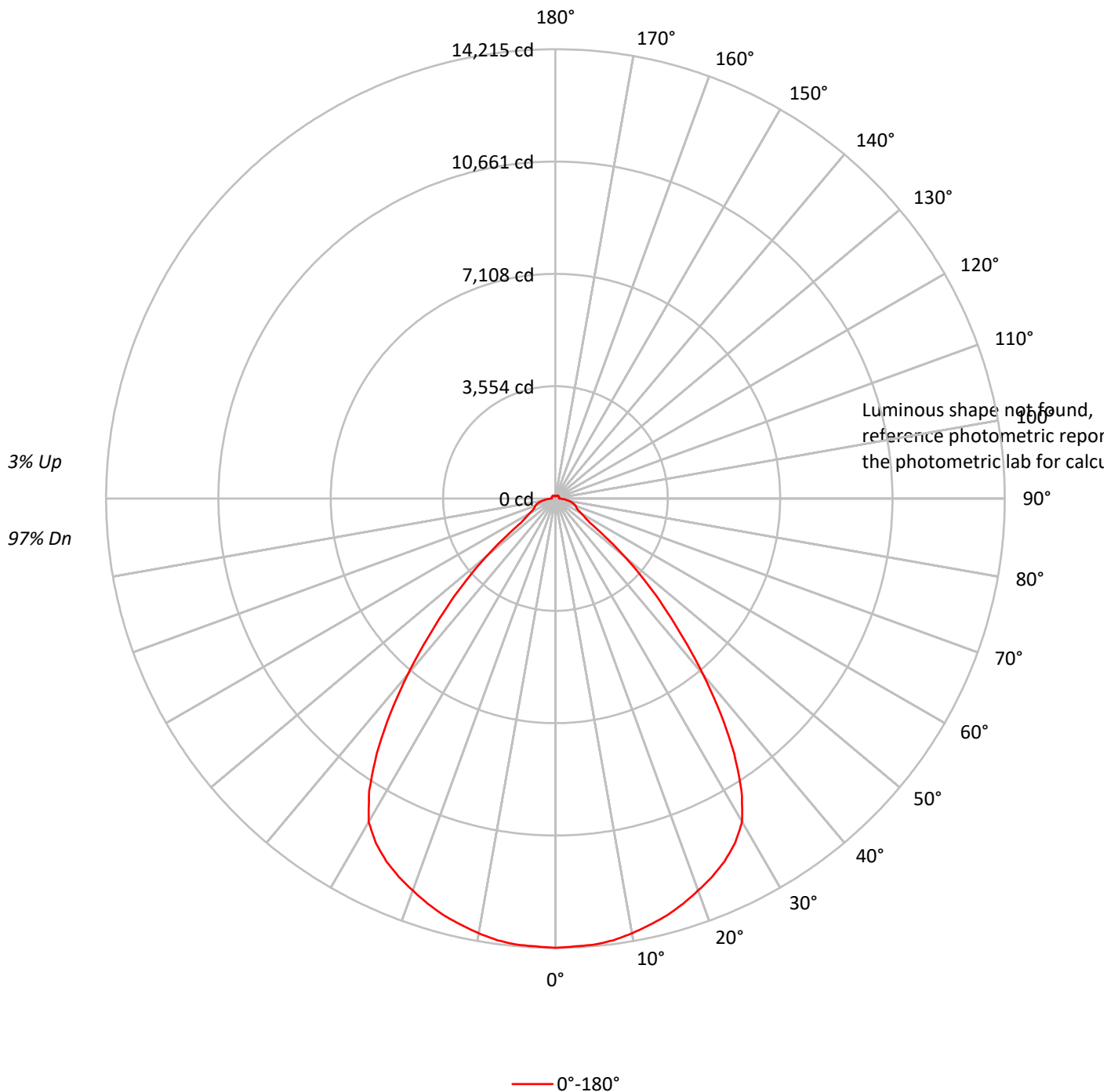
Lumens per Lamp: N/A
Luminaire Lumens: 24610.7 lumens
Efficiency: N/A
Efficacy: 154.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.16
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 159.8
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: P1505599

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (6500K_L24_Medium_120V)

Luminous Intensity Polar Plot





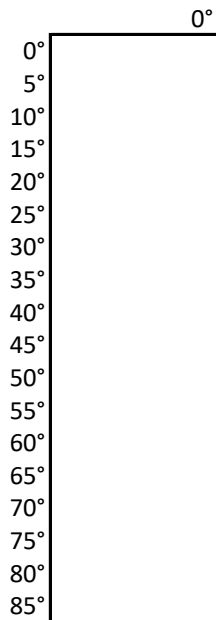
TEST NUMBER: P1505599

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (6500K_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	111	107	104	101	108	104	102	99	100	97	95	96	94	92	92	90	89	87		
2	103	97	92	87	101	95	90	86	91	87	84	87	84	81	84	81	79	77		
3	96	88	82	76	94	86	80	76	83	78	74	80	76	72	77	74	71	69		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62		
5	84	73	66	61	82	72	65	60	70	64	59	68	63	59	66	61	58	56		
6	79	67	60	55	77	66	59	54	64	58	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	61	54	49	60	53	49	58	53	48	57	52	48	46		
8	69	58	50	45	68	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: P1505599

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (6500K_L24_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1345.9	5.5
10°-20°	3850.2	15.6
20°-30°	5814.7	23.6
30°-40°	6058.1	24.6
40°-50°	3768.3	15.3
50°-60°	1390.7	5.7
60°-70°	766.4	3.1
70°-80°	603.0	2.5
80°-90°	298.9	1.2
90°-100°	127.6	0.5
100°-110°	127.2	0.5
110°-120°	119.9	0.5
120°-130°	105.7	0.4
130°-140°	88.1	0.4
140°-150°	69.2	0.3
150°-160°	46.7	0.2
160°-170°	23.6	0.1
170°-180°	6.7	0.0
0°-30°	11010.7	44.7
0°-40°	17068.8	69.4
0°-60°	22227.8	90.3
0°-90°	23896.1	97.1
90°-120°	374.6	1.5
90°-150°	637.6	2.6
90°-180°	715.0	2.9
0°-180°	24610.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14215	
5°	14166	###
15°	13651	3850
25°	12660	5815
35°	9853	6058
45°	4847	3768
55°	1314	1391
65°	749	766
75°	578	603
85°	272	257
90°	120	75
95°	116	95
105°	120	127
115°	121	120
125°	118	106
135°	114	88
145°	110	69
155°	101	47
165°	82	24
175°	70	7
180°	70	

TEST NUMBER: P1505599

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (6500K_L24_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	14215.3
2.5°	14182.3
5°	14166.2
7.5°	14095.0
10°	13966.2
12.5°	13815.3
15°	13650.9
17.5°	13437.4
20°	13196.7
22.5°	12953.5
25°	12659.5
27.5°	12292.5
30°	11809.5
32.5°	10960.4
35°	9852.8
37.5°	8586.0
40°	7261.5
42.5°	5972.5
45°	4847.2
47.5°	3820.1
50°	2861.7
52.5°	1949.0
55°	1314.3
57.5°	1102.5
60°	948.3
62.5°	822.0
65°	749.1
67.5°	711.0
70°	677.1
72.5°	634.7
75°	577.9
77.5°	512.7
80°	439.0
82.5°	356.8
85°	272.0
87.5°	189.0
90°	120.3
92.5°	114.4
95°	116.1
97.5°	117.8
100°	118.6
102.5°	119.5
105°	120.3
107.5°	121.2
110°	121.2

TEST NUMBER: P1505599

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (6500K_L24_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	121.2
115°	121.2
117.5°	120.3
120°	119.5
122.5°	118.6
125°	117.8
127.5°	116.9
130°	116.1
132.5°	114.4
135°	113.6
137.5°	112.7
140°	111.9
142.5°	111.0
145°	110.2
147.5°	109.3
150°	107.6
152.5°	104.2
155°	100.8
157.5°	96.6
160°	92.4
162.5°	87.3
165°	82.2
167.5°	77.1
170°	72.9
172.5°	70.3
175°	69.5
177.5°	69.5
180°	69.5

(END OF REPORT)