

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: P1505358

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (4000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505358
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-96)
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-04-CLER-PS (4000K_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

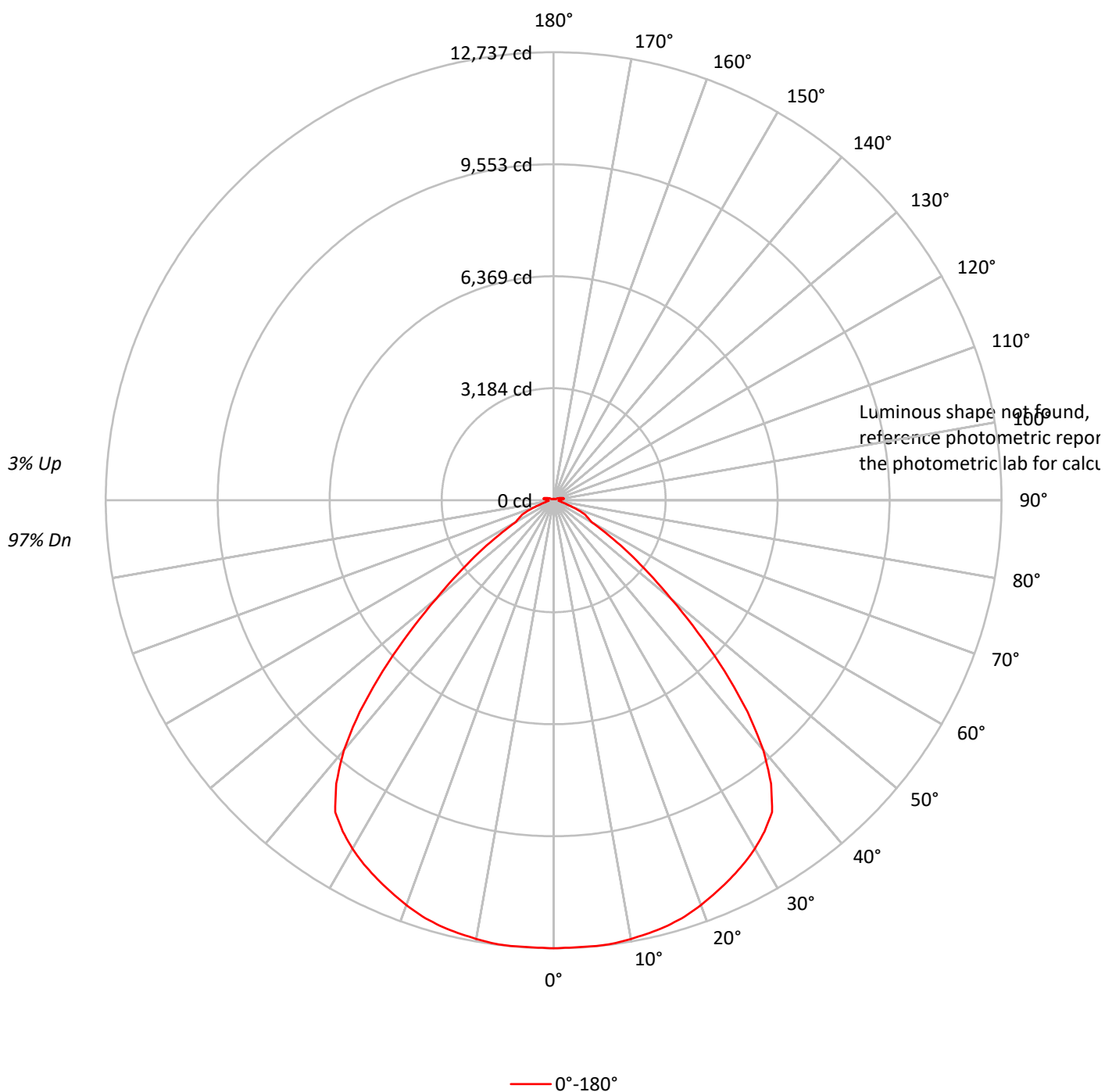
Lumens per Lamp: N/A
Luminaire Lumens: 26775.4 lumens
Efficiency: N/A
Efficacy: 172.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 155.7
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: P1505358

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (4000K_L24_Wide_120V)

Luminous Intensity Polar Plot



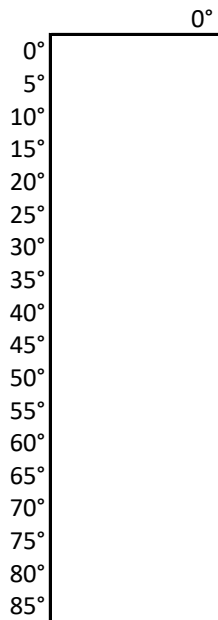
TEST NUMBER: P1505358

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (4000K_L24_Wide_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
RCR																	
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99
1	111	107	104	101	108	105	102	99	100	97	95	96	94	92	92	90	89
2	103	96	91	87	100	94	89	85	91	86	83	87	84	81	84	81	79
3	96	87	80	75	93	85	79	74	82	77	73	79	75	71	76	73	70
4	89	79	72	66	86	77	71	65	75	69	64	72	67	63	70	65	62
5	82	72	64	58	80	70	63	58	68	62	57	66	60	56	64	59	55
6	77	65	58	52	75	64	57	52	62	56	51	60	55	50	59	54	50
7	72	60	52	47	70	59	52	46	57	51	46	56	50	45	54	49	45
8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50	45	41
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	46	41	37
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505358

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (4000K_L24_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1213.4	4.5
10°-20°	3536.6	13.2
20°-30°	5481.6	20.5
30°-40°	6649.5	24.8
40°-50°	5254.8	19.6
50°-60°	2359.3	8.8
60°-70°	952.3	3.6
70°-80°	354.2	1.3
80°-90°	167.9	0.6
90°-100°	267.5	1.0
100°-110°	262.2	1.0
110°-120°	123.2	0.5
120°-130°	51.3	0.2
130°-140°	36.7	0.1
140°-150°	29.5	0.1
150°-160°	20.5	0.1
160°-170°	11.5	0.0
170°-180°	3.6	0.0
0°-30°	10231.6	38.2
0°-40°	16881.1	63.0
0°-60°	24495.2	91.5
0°-90°	25969.6	97.0
90°-120°	652.8	2.4
90°-150°	770.3	2.9
90°-180°	806.0	3.0
0°-180°	26775.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12737	
5°	12731	###
15°	12522	3537
25°	11879	5482
35°	10828	6650
45°	6870	5255
55°	2584	2359
65°	1001	952
75°	301	354
85°	140	125
90°	167	94
95°	255	216
105°	253	262
115°	120	123
125°	54	51
135°	47	37
145°	46	30
155°	44	20
165°	40	12
175°	38	4
180°	39	

TEST NUMBER: P1505358

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (4000K_L24_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	12737.3
2.5°	12724.4
5°	12731.3
7.5°	12719.2
10°	12663.4
12.5°	12599.7
15°	12522.4
17.5°	12408.9
20°	12248.1
22.5°	12065.8
25°	11879.2
27.5°	11674.6
30°	11441.6
32.5°	11161.3
35°	10828.5
37.5°	10154.4
40°	9277.4
42.5°	8160.5
45°	6869.9
47.5°	5565.6
50°	4361.0
52.5°	3392.8
55°	2583.7
57.5°	1854.6
60°	1251.9
62.5°	1107.4
65°	1000.8
67.5°	817.7
70°	602.7
72.5°	416.2
75°	300.9
77.5°	233.9
80°	185.7
82.5°	154.8
85°	140.1
87.5°	144.4
90°	166.8
92.5°	210.7
95°	255.4
97.5°	285.5
100°	292.3
102.5°	278.6
105°	252.8
107.5°	220.1
110°	184.0

TEST NUMBER: P1505358

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (4000K_L24_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	150.5
115°	119.5
117.5°	93.7
120°	75.7
122.5°	62.8
125°	54.2
127.5°	49.0
130°	47.3
132.5°	46.4
135°	47.3
137.5°	48.1
140°	48.1
142.5°	48.1
145°	46.4
147.5°	46.4
150°	45.6
152.5°	44.7
155°	43.9
157.5°	43.9
160°	43.0
162.5°	42.1
165°	40.4
167.5°	38.7
170°	37.0
172.5°	37.0
175°	37.8
177.5°	38.7
180°	38.7

(END OF REPORT)