

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: P1505061

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505061
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-68)
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-04-TRWH-PS (6500K_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

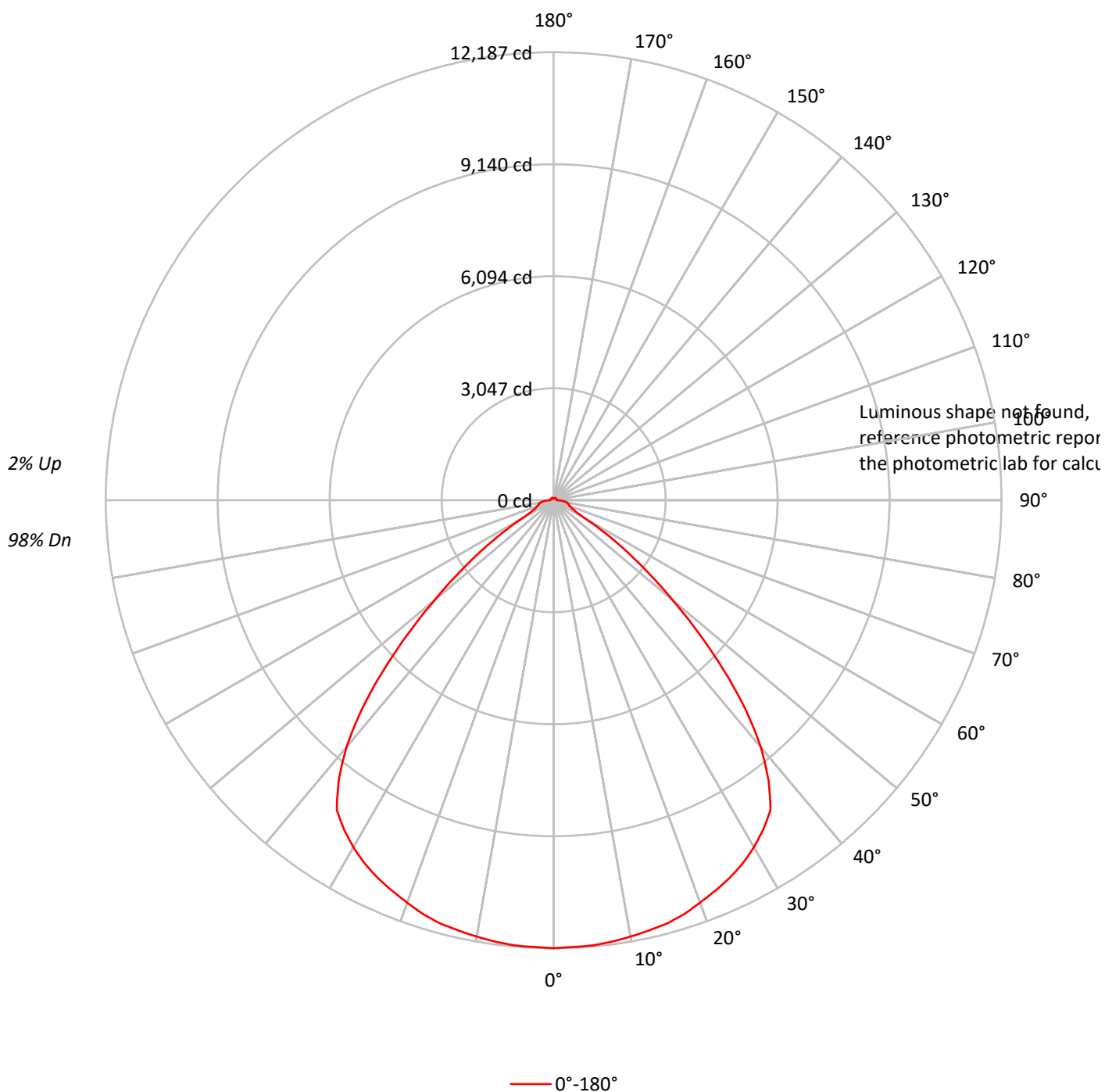
Lumens per Lamp: N/A
Luminaire Lumens: 25079.2 lumens
Efficiency: N/A
Efficacy: 156.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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: P1505061

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_L24_Wide_120V)

Luminous Intensity Polar Plot





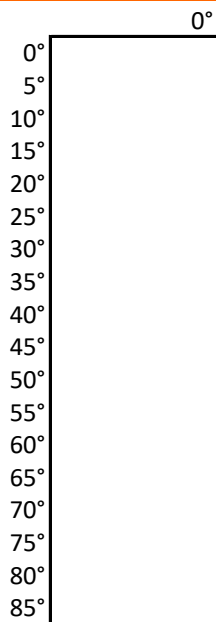
TEST NUMBER: P1505061

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_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	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100						98		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89						87		
2	103	97	91	87	100	95	90	86	91	87	83	88	84	81	84	82	79						77		
3	96	87	81	75	93	86	80	75	83	77	73	80	75	72	77	73	70						68		
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	70	66	63						61		
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	56						54		
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	51						49		
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46						44		
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	41						40		
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38						36		
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35						33		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505061

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_L24_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1157.0	4.6
10°-20°	3365.0	13.4
20°-30°	5225.0	20.8
30°-40°	6310.6	25.2
40°-50°	5016.5	20.0
50°-60°	2195.1	8.8
60°-70°	617.0	2.5
70°-80°	441.1	1.8
80°-90°	266.3	1.1
90°-100°	91.7	0.4
100°-110°	88.7	0.4
110°-120°	81.5	0.3
120°-130°	70.8	0.3
130°-140°	58.7	0.2
140°-150°	46.7	0.2
150°-160°	30.3	0.1
160°-170°	13.7	0.1
170°-180°	3.5	0.0
0°-30°	9747.0	38.9
0°-40°	16057.6	64.0
0°-60°	23269.3	92.8
0°-90°	24593.6	98.1
90°-120°	261.9	1.0
90°-150°	438.1	1.7
90°-180°	486.0	1.9
0°-180°	25079.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12187	
5°	12158	###
15°	11918	3365
25°	11333	5225
35°	10288	6311
45°	6559	5017
55°	2414	2195
65°	583	617
75°	419	441
85°	258	230
90°	90	60
95°	83	68
105°	84	89
115°	82	82
125°	79	71
135°	76	59
145°	75	47
155°	65	30
165°	46	14
175°	35	4
180°	34	

TEST NUMBER: P1505061

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_L24_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	12187.2
2.5°	12164.8
5°	12158.2
7.5°	12115.0
10°	12051.8
12.5°	11987.1
15°	11918.1
17.5°	11806.8
20°	11648.2
22.5°	11495.3
25°	11333.4
27.5°	11139.0
30°	10896.5
32.5°	10617.4
35°	10287.7
37.5°	9604.9
40°	8771.8
42.5°	7744.4
45°	6559.2
47.5°	5361.5
50°	4224.4
52.5°	3255.1
55°	2413.7
57.5°	1650.4
60°	959.3
62.5°	694.4
65°	583.1
67.5°	509.2
70°	462.6
72.5°	439.4
75°	418.6
77.5°	397.9
80°	363.8
82.5°	318.9
85°	257.5
87.5°	174.4
90°	89.7
92.5°	82.2
95°	83.1
97.5°	83.9
100°	83.9
102.5°	83.9
105°	83.9
107.5°	83.9
110°	83.1

TEST NUMBER: P1505061

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_L24_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	83.1
115°	82.2
117.5°	81.4
120°	80.6
122.5°	79.7
125°	78.9
127.5°	78.1
130°	77.2
132.5°	76.4
135°	75.6
137.5°	74.8
140°	74.8
142.5°	74.8
145°	74.8
147.5°	73.9
150°	73.1
152.5°	69.8
155°	64.8
157.5°	60.6
160°	56.5
162.5°	51.5
165°	46.5
167.5°	44.0
170°	39.9
172.5°	37.4
175°	34.9
177.5°	34.1
180°	34.1

(END OF REPORT)