

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: P1505049

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (4000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505049
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 (4000K_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

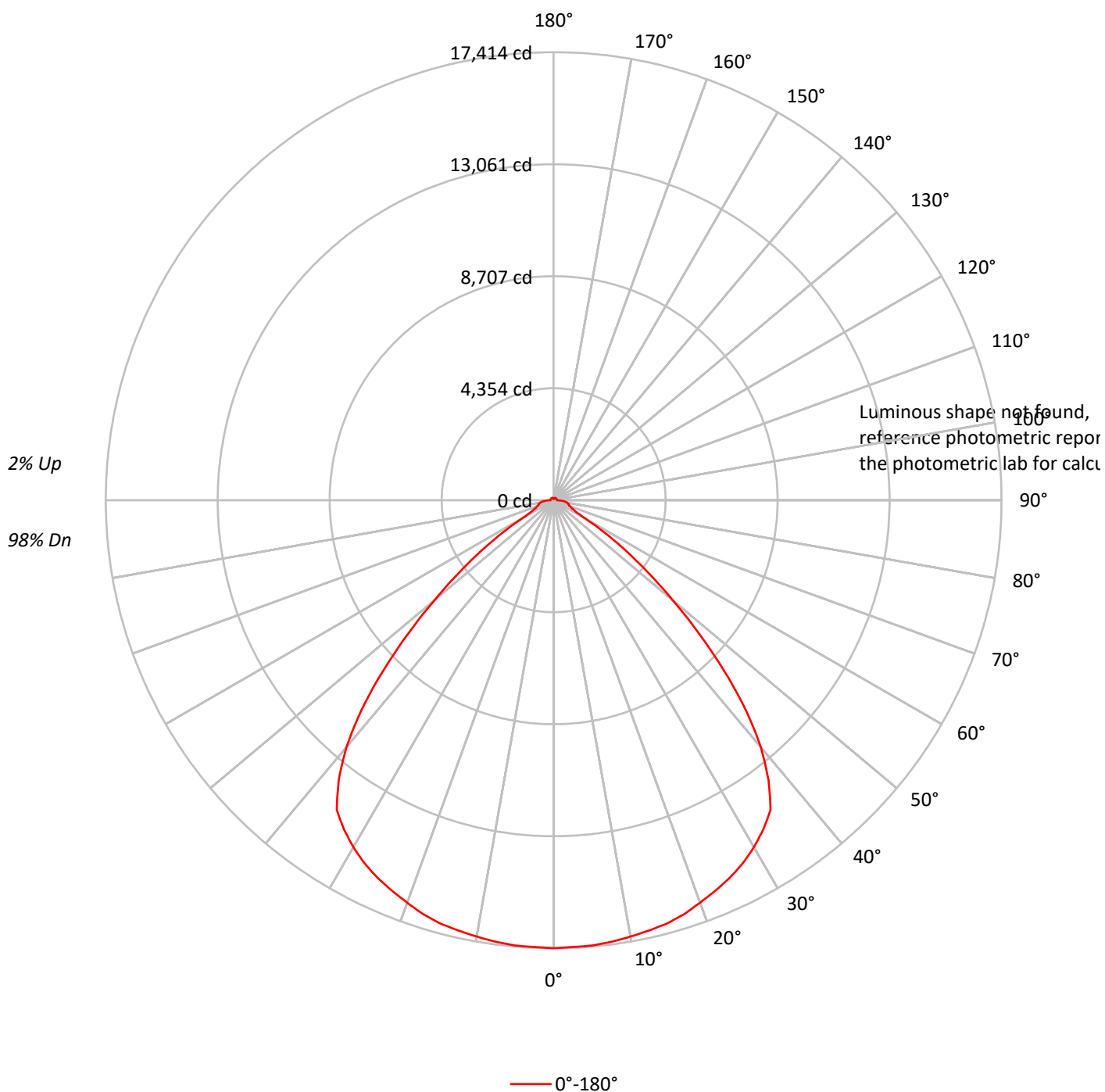
Lumens per Lamp: N/A
Luminaire Lumens: 35835.6 lumens
Efficiency: N/A
Efficacy: 154.5 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 231.9
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: P1505049

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (4000K_L36_Wide_120V)

Luminous Intensity Polar Plot



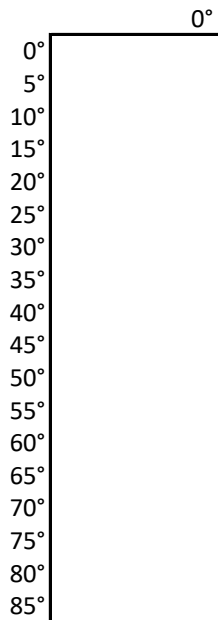
TEST NUMBER: P1505049

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (4000K_L36_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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89
2	103	97	91	87	100	95	90	86	91	87	83	88	84	81	84	82	79
3	96	87	81	75	93	86	80	75	83	77	73	80	75	72	77	73	70
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	70	66	63
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	56
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	51
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	41
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505049

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (4000K_L36_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1653.2	4.6
10°-20°	4808.3	13.4
20°-30°	7466.1	20.8
30°-40°	9017.2	25.2
40°-50°	7168.1	20.0
50°-60°	3136.6	8.8
60°-70°	881.6	2.5
70°-80°	630.3	1.8
80°-90°	380.5	1.1
90°-100°	131.0	0.4
100°-110°	126.7	0.4
110°-120°	116.5	0.3
120°-130°	101.2	0.3
130°-140°	83.8	0.2
140°-150°	66.7	0.2
150°-160°	43.3	0.1
160°-170°	19.6	0.1
170°-180°	5.0	0.0
0°-30°	13927.5	38.9
0°-40°	22944.8	64.0
0°-60°	33249.5	92.8
0°-90°	35141.8	98.1
90°-120°	374.2	1.0
90°-150°	625.9	1.7
90°-180°	694.0	1.9
0°-180°	35835.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17414	
5°	17373	###
15°	17030	4808
25°	16194	7466
35°	14700	9017
45°	9372	7168
55°	3449	3137
65°	833	882
75°	598	630
85°	368	329
90°	128	85
95°	119	97
105°	120	127
115°	118	117
125°	113	101
135°	108	84
145°	107	67
155°	93	43
165°	66	20
175°	50	5
180°	49	

TEST NUMBER: P1505049

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (4000K_L36_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	17414.4
2.5°	17382.3
5°	17372.8
7.5°	17311.1
10°	17220.9
12.5°	17128.4
15°	17029.9
17.5°	16870.8
20°	16644.1
22.5°	16425.8
25°	16194.3
27.5°	15916.6
30°	15570.1
32.5°	15171.3
35°	14700.1
37.5°	13724.5
40°	12534.1
42.5°	11066.0
45°	9372.4
47.5°	7661.0
50°	6036.2
52.5°	4651.2
55°	3448.9
57.5°	2358.2
60°	1370.8
62.5°	992.2
65°	833.2
67.5°	727.5
70°	661.1
72.5°	627.8
75°	598.2
77.5°	568.5
80°	519.8
82.5°	455.7
85°	367.9
87.5°	249.2
90°	128.2
92.5°	117.5
95°	118.7
97.5°	119.9
100°	119.9
102.5°	119.9
105°	119.9
107.5°	119.9
110°	118.7

TEST NUMBER: P1505049

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (4000K_L36_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	118.7
115°	117.5
117.5°	116.3
120°	115.1
122.5°	113.9
125°	112.7
127.5°	111.6
130°	110.4
132.5°	109.2
135°	108.0
137.5°	106.8
140°	106.8
142.5°	106.8
145°	106.8
147.5°	105.6
150°	104.4
152.5°	99.7
155°	92.6
157.5°	86.6
160°	80.7
162.5°	73.6
165°	66.5
167.5°	62.9
170°	57.0
172.5°	53.4
175°	49.8
177.5°	48.7
180°	48.7

(END OF REPORT)