

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: P1504993

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504993
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-83)
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-CLER-PS (3500K_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

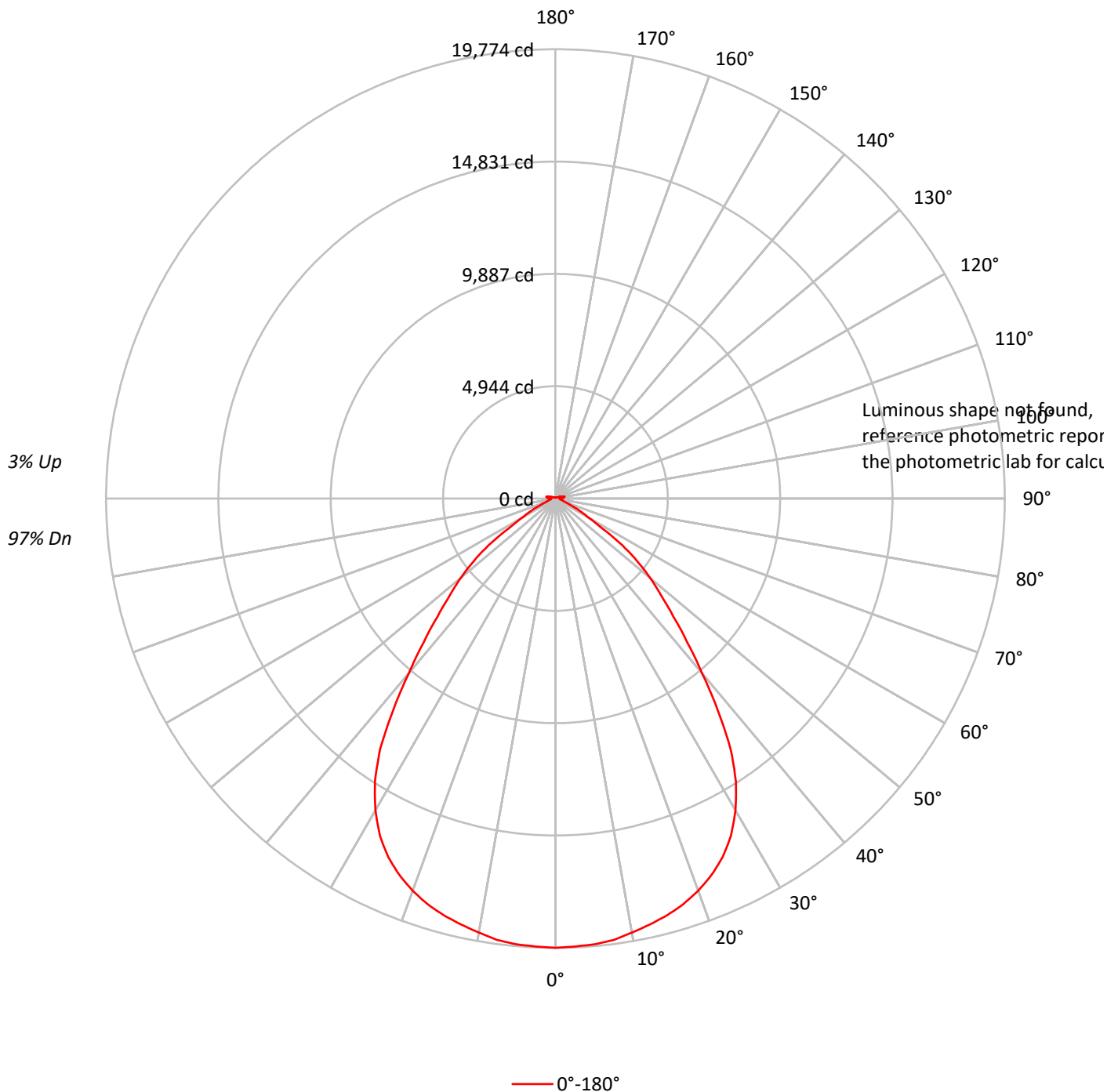
Lumens per Lamp: N/A
Luminaire Lumens: 34956.3 lumens
Efficiency: N/A
Efficacy: 148.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 235.4
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: P1504993

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3500K_L36_Medium_120V)

Luminous Intensity Polar Plot



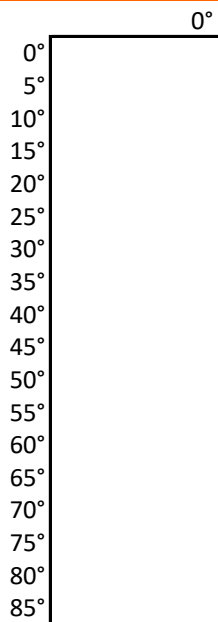
TEST NUMBER: P1504993

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3500K_L36_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	50	30	10
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	89	89	87
2	104	97	92	88	101	95	90	87	91	87	84	88	85	82	84	82	80	80	80	78
3	96	88	82	77	94	86	81	76	83	78	74	80	76	73	78	74	71	71	71	69
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	64	64	62
5	84	73	66	61	82	72	65	60	70	64	59	68	62	58	66	61	58	58	58	56
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	52	52	50
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	47	47	46
8	69	57	50	45	67	56	49	44	55	49	44	53	48	44	52	47	43	43	43	42
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	43	40	40	40	38
10	61	49	42	38	59	49	42	37	47	41	37	46	41	37	45	40	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504993

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3500K_L36_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1870.9	5.4
10°-20°	5356.4	15.3
20°-30°	7972.2	22.8
30°-40°	8234.6	23.6
40°-50°	5754.4	16.5
50°-60°	3143.8	9.0
60°-70°	966.1	2.8
70°-80°	340.4	1.0
80°-90°	217.4	0.6
90°-100°	369.6	1.1
100°-110°	370.6	1.1
110°-120°	168.0	0.5
120°-130°	65.8	0.2
130°-140°	44.6	0.1
140°-150°	37.4	0.1
150°-160°	26.4	0.1
160°-170°	13.6	0.0
170°-180°	4.0	0.0
0°-30°	15199.5	43.5
0°-40°	23434.1	67.0
0°-60°	32332.4	92.5
0°-90°	33856.2	96.9
90°-120°	908.3	2.6
90°-150°	1056.0	3.0
90°-180°	1100.0	3.1
0°-180°	34956.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19774	
5°	19693	###
15°	18986	5356
25°	17410	7972
35°	13436	8235
45°	7332	5754
55°	3590	3144
65°	929	966
75°	317	340
85°	181	159
90°	232	130
95°	349	298
105°	359	371
115°	163	168
125°	70	66
135°	57	45
145°	59	37
155°	57	26
165°	48	14
175°	41	4
180°	41	

TEST NUMBER: P1504993

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3500K_L36_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	19774.3
2.5°	19732.5
5°	19693.0
7.5°	19595.3
10°	19398.9
12.5°	19197.8
15°	18986.2
17.5°	18720.0
20°	18368.9
22.5°	17937.7
25°	17409.9
27.5°	16726.4
30°	15852.3
32.5°	14784.0
35°	13435.5
37.5°	11725.6
40°	10047.0
42.5°	8595.1
45°	7331.5
47.5°	6293.5
50°	5457.7
52.5°	4548.6
55°	3589.6
57.5°	2458.6
60°	1683.2
62.5°	1311.2
65°	928.8
67.5°	620.7
70°	447.5
72.5°	366.2
75°	317.3
77.5°	270.8
80°	224.4
82.5°	190.6
85°	181.3
87.5°	196.5
90°	232.5
92.5°	290.6
95°	348.7
97.5°	394.1
100°	412.7
102.5°	396.4
105°	359.2
107.5°	309.2
110°	255.7

TEST NUMBER: P1504993

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3500K_L36_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	205.8
115°	162.7
117.5°	126.7
120°	100.0
122.5°	81.4
125°	69.7
127.5°	61.6
130°	58.1
132.5°	57.0
135°	57.0
137.5°	58.1
140°	58.1
142.5°	59.3
145°	59.3
147.5°	60.4
150°	60.4
152.5°	59.3
155°	57.0
157.5°	54.6
160°	52.3
162.5°	50.0
165°	47.7
167.5°	45.3
170°	43.0
172.5°	41.8
175°	40.7
177.5°	40.7
180°	40.7

(END OF REPORT)