

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: P1505065

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505065
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-89)
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_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

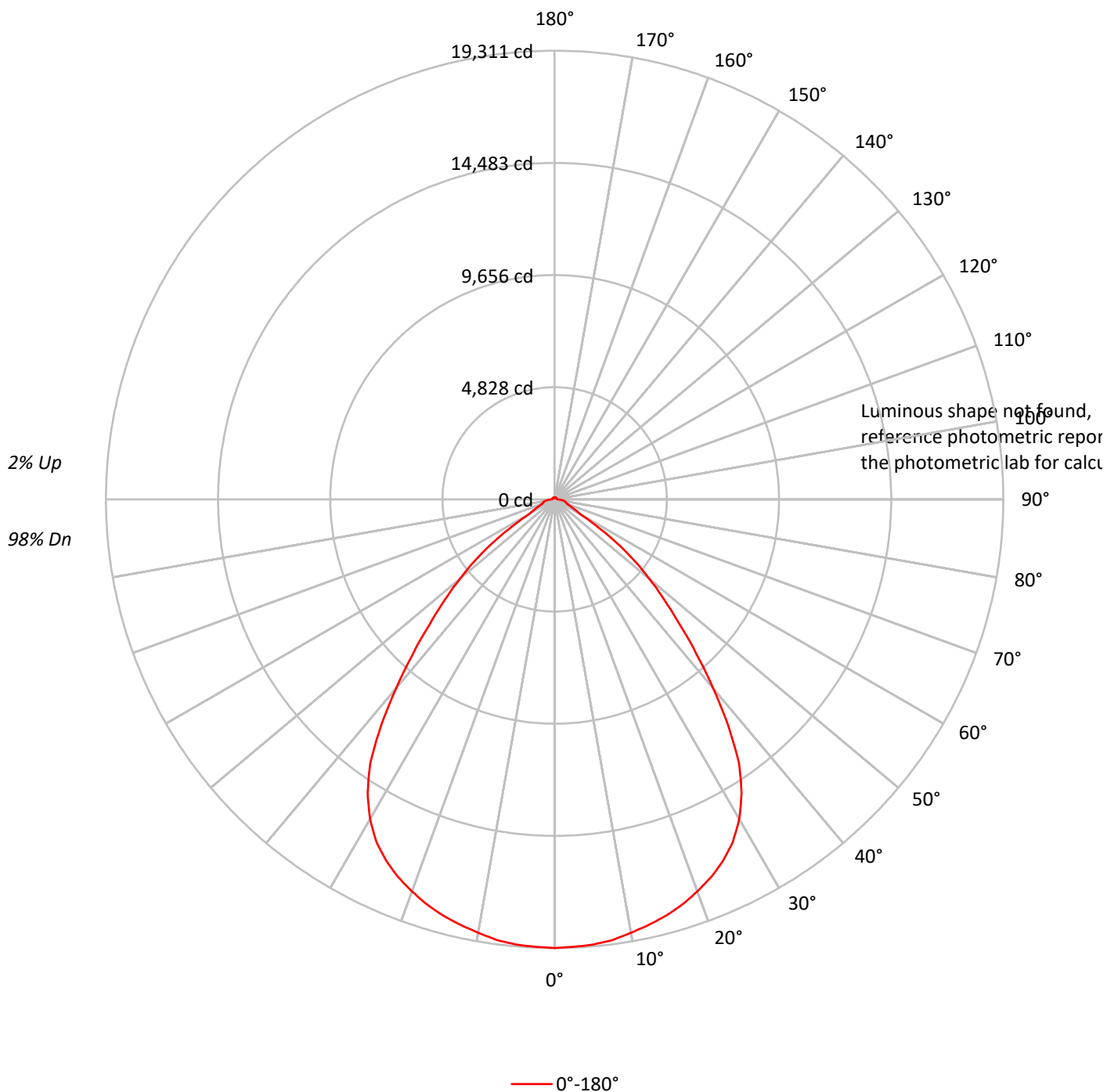
Lumens per Lamp: N/A
Luminaire Lumens: 34542.6 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 239.6
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: P1505065

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_L36_Medium_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1505065

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_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	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	108	104	101	108	105	102	100	101	98	96	97	95	93	93	91	90						88		
2	104	97	92	88	101	95	91	87	92	88	84	88	85	82	85	83	80						78		
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	78	75	72						70		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64						62		
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58						56		
6	78	67	60	54	77	66	59	54	64	58	54	63	57	53	61	56	52						51		
7	73	62	54	49	72	61	54	49	59	53	48	58	52	48	57	52	48						46		
8	69	57	50	45	67	56	49	44	55	49	44	54	48	44	52	47	44						42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	44	40						38		
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	40	37						35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505065

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_L36_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1826.6	5.3
10°-20°	5232.3	15.1
20°-30°	7874.4	22.8
30°-40°	8464.4	24.5
40°-50°	5954.0	17.2
50°-60°	2888.6	8.4
60°-70°	862.8	2.5
70°-80°	532.3	1.5
80°-90°	306.4	0.9
90°-100°	111.1	0.3
100°-110°	107.8	0.3
110°-120°	99.6	0.3
120°-130°	86.9	0.3
130°-140°	72.9	0.2
140°-150°	60.0	0.2
150°-160°	39.4	0.1
160°-170°	18.3	0.1
170°-180°	4.9	0.0
0°-30°	14933.3	43.2
0°-40°	23397.7	67.7
0°-60°	32240.3	93.3
0°-90°	33941.8	98.3
90°-120°	318.5	0.9
90°-150°	538.2	1.6
90°-180°	601.0	1.7
0°-180°	34542.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19311	
5°	19232	###
15°	18546	5232
25°	17159	7874
35°	13829	8464
45°	7620	5954
55°	3246	2889
65°	845	863
75°	503	532
85°	291	264
90°	105	70
95°	101	83
105°	102	108
115°	101	100
125°	97	87
135°	94	73
145°	96	60
155°	83	39
165°	63	18
175°	49	5
180°	48	

TEST NUMBER: P1505065

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_L36_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	19311.3
2.5°	19276.1
5°	19231.6
7.5°	19126.2
10°	18937.5
12.5°	18754.7
15°	18546.2
17.5°	18282.6
20°	17954.5
22.5°	17596.0
25°	17158.9
27.5°	16613.0
30°	15883.0
32.5°	14976.1
35°	13829.1
37.5°	12261.4
40°	10607.0
42.5°	9047.6
45°	7620.5
47.5°	6405.5
50°	5327.5
52.5°	4315.2
55°	3245.5
57.5°	2172.3
60°	1280.6
62.5°	1035.7
65°	844.8
67.5°	684.2
70°	580.0
72.5°	534.3
75°	502.6
77.5°	474.5
80°	426.5
82.5°	365.6
85°	290.6
87.5°	202.7
90°	105.4
92.5°	100.8
95°	100.8
97.5°	101.9
100°	101.9
102.5°	101.9
105°	101.9
107.5°	101.9
110°	101.9

TEST NUMBER: P1505065

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_L36_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	100.8
115°	100.8
117.5°	99.6
120°	98.4
122.5°	97.2
125°	97.2
127.5°	96.1
130°	94.9
132.5°	94.9
135°	93.7
137.5°	93.7
140°	93.7
142.5°	94.9
145°	96.1
147.5°	96.1
150°	96.1
152.5°	90.2
155°	83.2
157.5°	79.7
160°	73.8
162.5°	68.0
165°	63.3
167.5°	58.6
170°	55.1
172.5°	51.6
175°	49.2
177.5°	48.0
180°	48.0

(END OF REPORT)