

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: P1505048

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (4000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505048
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-88)
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_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

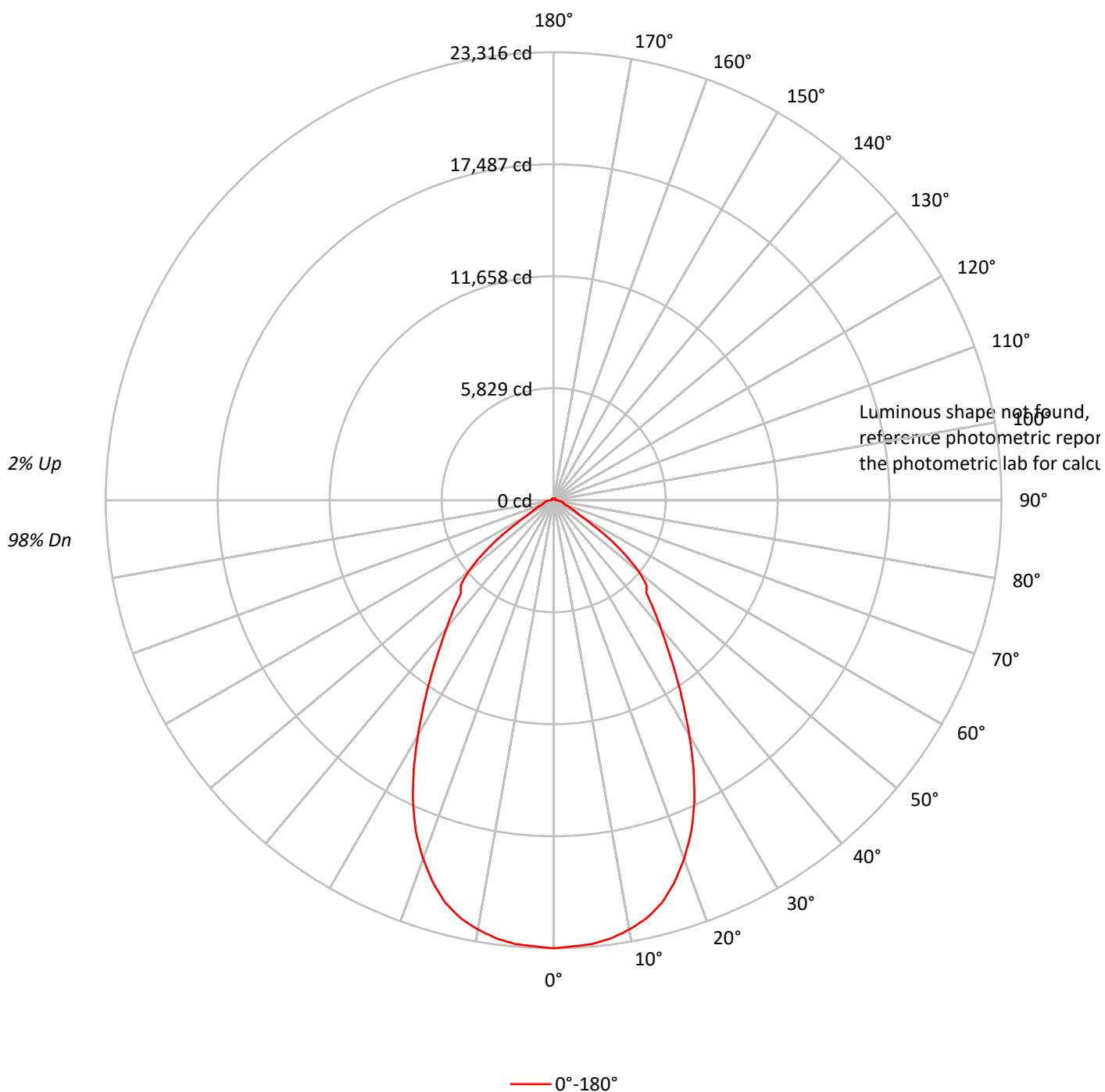
Lumens per Lamp: N/A
Luminaire Lumens: 34297.5 lumens
Efficiency: N/A
Efficacy: 147.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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: P1505048

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (4000K_L36_Narrow_120V)

Luminous Intensity Polar Plot





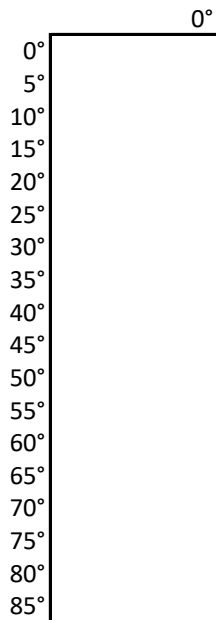
TEST NUMBER: P1505048

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (4000K_L36_Narrow_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	0		
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	96	91	87	92	88	85	89	85	82	85	83	80	78		
3	97	89	82	77	94	87	81	76	84	79	75	81	77	73	78	75	72	70		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	72	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	63	59	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52		
7	74	63	55	50	72	62	55	50	60	54	50	59	53	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	46	55	49	45	54	49	45	43		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	42	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505048

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (4000K_L36_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2196.8	6.4
10°-20°	6064.4	17.7
20°-30°	7881.7	23.0
30°-40°	6962.7	20.3
40°-50°	5455.8	15.9
50°-60°	3234.5	9.4
60°-70°	1029.6	3.0
70°-80°	548.4	1.6
80°-90°	301.1	0.9
90°-100°	114.2	0.3
100°-110°	111.4	0.3
110°-120°	102.9	0.3
120°-130°	89.8	0.3
130°-140°	75.2	0.2
140°-150°	62.2	0.2
150°-160°	41.5	0.1
160°-170°	19.7	0.1
170°-180°	5.4	0.0
0°-30°	16142.9	47.1
0°-40°	23105.6	67.4
0°-60°	31796.0	92.7
0°-90°	33675.2	98.2
90°-120°	328.5	1.0
90°-150°	555.7	1.6
90°-180°	622.0	1.8
0°-180°	34297.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23316	
5°	23178	###
15°	21716	6064
25°	17330	7882
35°	11077	6963
45°	6823	5456
55°	3644	3235
65°	1003	1030
75°	516	548
85°	281	260
90°	108	70
95°	104	85
105°	105	111
115°	104	103
125°	100	90
135°	97	75
145°	99	62
155°	88	41
165°	68	20
175°	54	5
180°	54	

TEST NUMBER: P1505048

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (4000K_L36_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	23316.5
2.5°	23239.0
5°	23178.4
7.5°	22992.0
10°	22688.0
12.5°	22290.9
15°	21715.7
17.5°	20873.0
20°	19855.8
22.5°	18710.3
25°	17330.0
27.5°	15766.7
30°	14112.7
32.5°	12551.9
35°	11077.0
37.5°	9753.5
40°	8651.7
42.5°	7707.2
45°	6823.2
47.5°	6565.3
50°	5802.5
52.5°	4764.8
55°	3643.5
57.5°	2470.2
60°	1615.3
62.5°	1289.6
65°	1002.6
67.5°	765.3
70°	620.0
72.5°	553.4
75°	515.8
77.5°	481.9
80°	429.9
82.5°	363.3
85°	280.9
87.5°	192.5
90°	107.8
92.5°	102.9
95°	104.1
97.5°	105.3
100°	105.3
102.5°	105.3
105°	105.3
107.5°	105.3
110°	105.3

TEST NUMBER: P1505048

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (4000K_L36_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	104.1
115°	104.1
117.5°	102.9
120°	101.7
122.5°	100.5
125°	100.5
127.5°	99.3
130°	98.1
132.5°	96.9
135°	96.9
137.5°	96.9
140°	96.9
142.5°	98.1
145°	99.3
147.5°	100.5
150°	100.5
152.5°	94.4
155°	88.4
157.5°	83.5
160°	78.7
162.5°	72.7
165°	67.8
167.5°	64.2
170°	60.5
172.5°	56.9
175°	54.5
177.5°	53.3
180°	54.5

(END OF REPORT)