

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: P1505182

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (4000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505182
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-107)
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-06-CLER-PS (4000K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

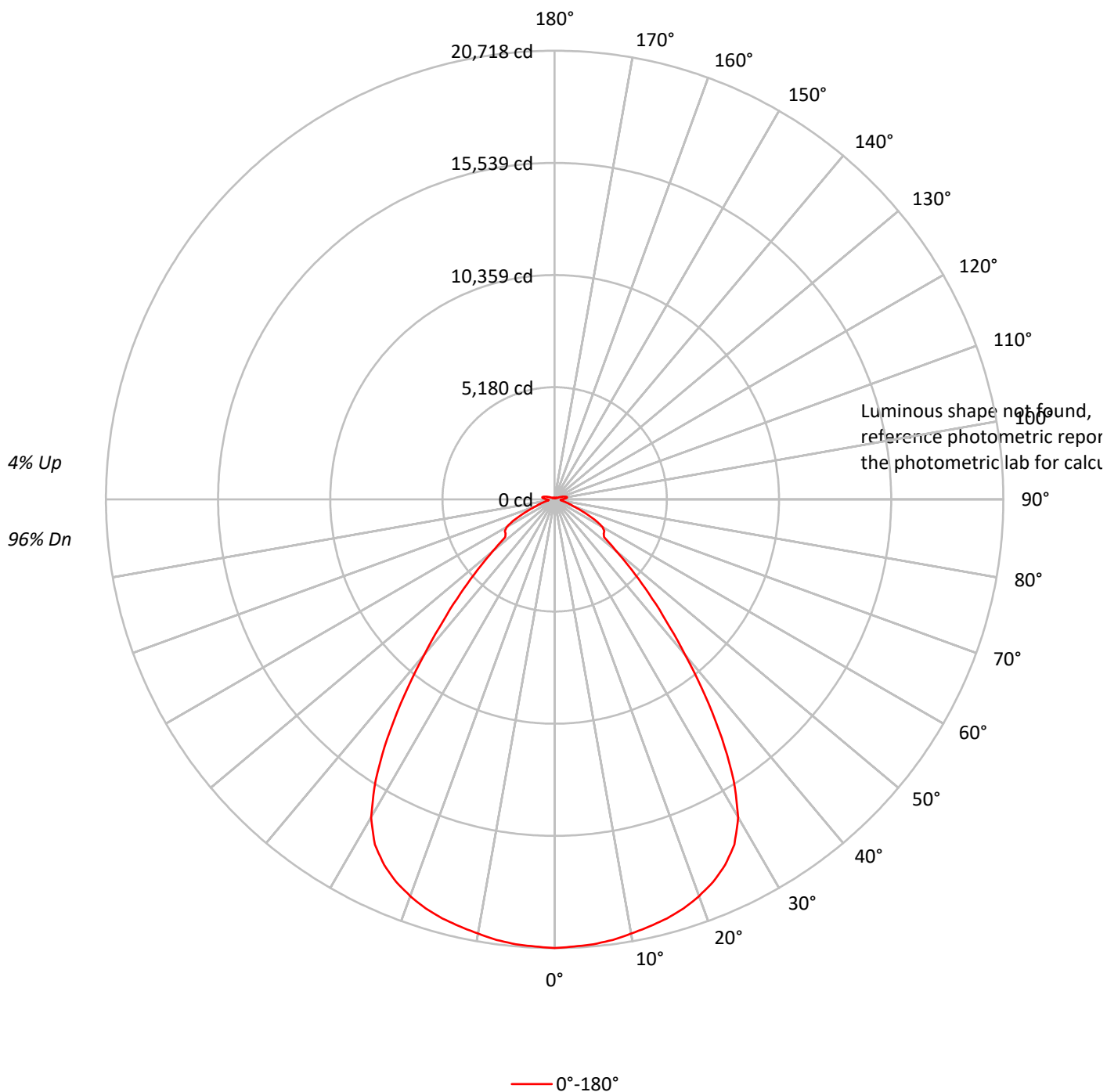
Lumens per Lamp: N/A
Luminaire Lumens: 36009.0 lumens
Efficiency: N/A
Efficacy: 155.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.12
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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: P1505182

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (4000K_L36_Medium_120V)

Luminous Intensity Polar Plot



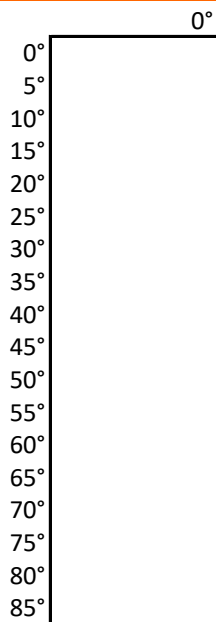
TEST NUMBER: P1505182

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (4000K_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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96		
1	110	107	103	101	107	104	101	98	99	97	95	95	93	91	90	89	88	85		
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	83	80	78	76		
3	96	87	81	76	93	86	80	75	82	77	73	79	75	71	76	73	70	68		
4	89	80	73	67	87	78	72	67	75	70	65	73	68	64	70	66	63	61		
5	83	73	65	60	81	72	65	60	69	63	59	67	62	58	65	60	57	55		
6	78	67	59	54	76	66	59	54	64	58	53	62	56	52	60	55	52	50		
7	73	62	54	49	71	61	54	49	59	53	48	57	52	48	56	51	47	45		
8	69	57	50	45	67	56	49	45	55	48	44	53	48	44	52	47	43	41		
9	65	53	46	41	63	52	46	41	51	45	40	50	44	40	48	43	40	38		
10	61	49	42	38	60	49	42	38	48	42	37	46	41	37	45	40	37	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505182

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (4000K_L36_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1960.1	5.4
10°-20°	5655.0	15.7
20°-30°	8522.5	23.7
30°-40°	8290.9	23.0
40°-50°	4802.7	13.3
50°-60°	2571.4	7.1
60°-70°	1686.4	4.7
70°-80°	623.8	1.7
80°-90°	322.2	0.9
90°-100°	531.3	1.5
100°-110°	505.3	1.4
110°-120°	233.7	0.6
120°-130°	103.5	0.3
130°-140°	75.9	0.2
140°-150°	58.7	0.2
150°-160°	40.0	0.1
160°-170°	20.2	0.1
170°-180°	5.5	0.0
0°-30°	16137.6	44.8
0°-40°	24428.5	67.8
0°-60°	31802.7	88.3
0°-90°	34434.9	95.6
90°-120°	1270.3	3.5
90°-150°	1508.3	4.2
90°-180°	1574.0	4.4
0°-180°	36009.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20718	
5°	20621	###
15°	20034	5655
25°	18627	8522
35°	13461	8291
45°	6138	4803
55°	2764	2571
65°	1683	1686
75°	572	624
85°	269	236
90°	342	191
95°	502	427
105°	483	505
115°	226	234
125°	110	103
135°	98	76
145°	93	59
155°	87	40
165°	70	20
175°	56	5
180°	54	

TEST NUMBER: P1505182

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (4000K_L36_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	20718.0
2.5°	20664.7
5°	20621.1
7.5°	20518.2
10°	20359.5
12.5°	20199.7
15°	20033.8
17.5°	19807.4
20°	19493.8
22.5°	19120.8
25°	18626.8
27.5°	17969.3
30°	16944.9
32.5°	15391.3
35°	13461.2
37.5°	11388.2
40°	9364.9
42.5°	7616.4
45°	6137.9
47.5°	4819.3
50°	3714.9
52.5°	2878.2
55°	2764.4
57.5°	2722.0
60°	2548.9
62.5°	2165.0
65°	1683.1
67.5°	1249.6
70°	933.6
72.5°	726.5
75°	571.5
77.5°	433.5
80°	337.8
82.5°	283.3
85°	268.8
87.5°	289.4
90°	341.5
92.5°	419.0
95°	502.5
97.5°	566.7
100°	580.0
102.5°	543.7
105°	483.1
107.5°	416.5
110°	347.5

TEST NUMBER: P1505182

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (4000K_L36_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	282.1
115°	226.4
117.5°	180.4
120°	147.7
122.5°	124.7
125°	110.2
127.5°	101.7
130°	98.1
132.5°	98.1
135°	98.1
137.5°	98.1
140°	96.9
142.5°	94.4
145°	93.2
147.5°	92.0
150°	90.8
152.5°	88.4
155°	87.2
157.5°	83.5
160°	79.9
162.5°	75.1
165°	70.2
167.5°	65.4
170°	61.8
172.5°	58.1
175°	55.7
177.5°	53.3
180°	54.5

(END OF REPORT)