

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: P1505560

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (6500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505560
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-119)
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-B-06-CLER-PS (6500K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

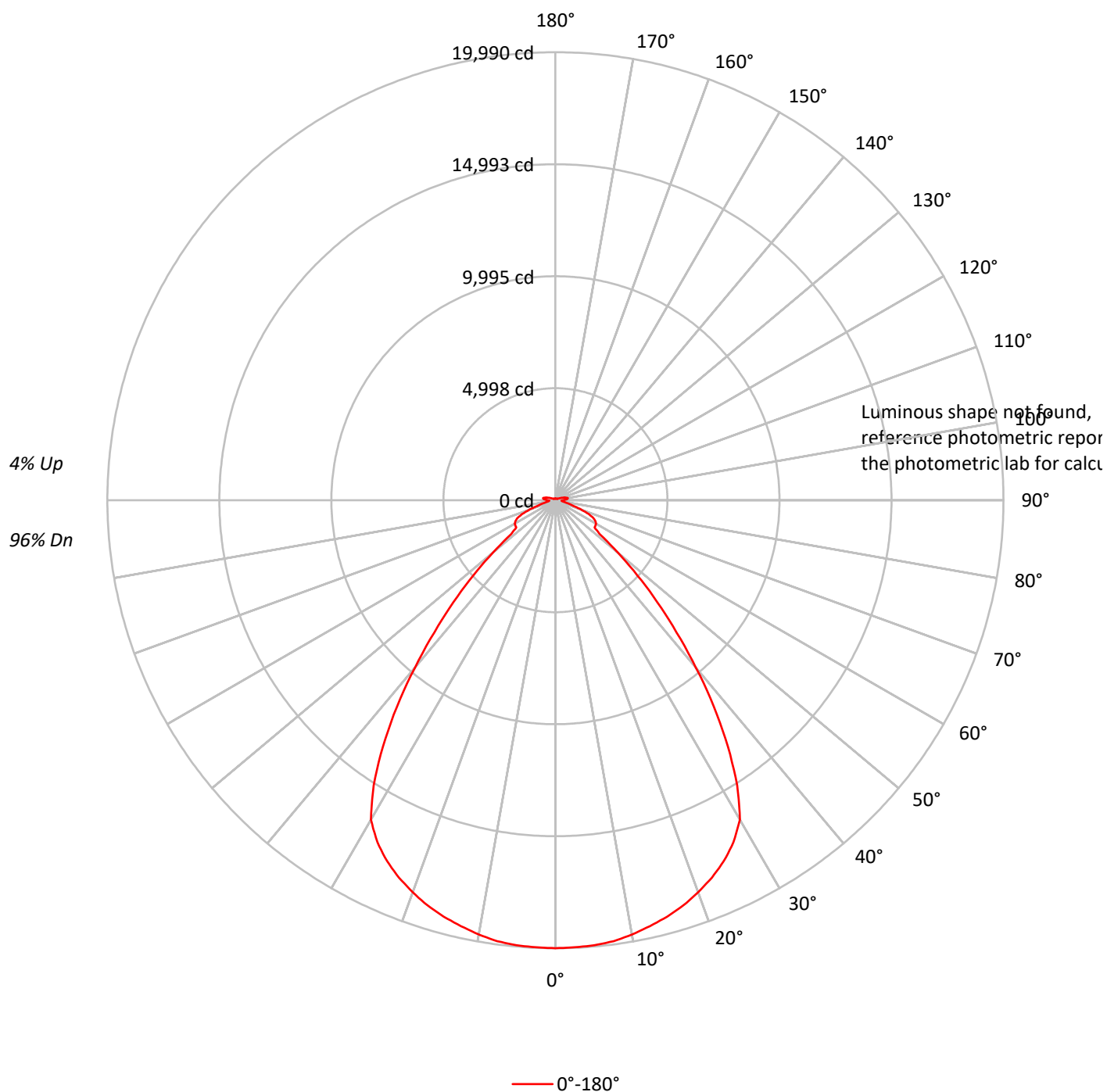
Lumens per Lamp: N/A
Luminaire Lumens: 35213.6 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

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: P1505560

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (6500K_L36_Medium_120V)

Luminous Intensity Polar Plot





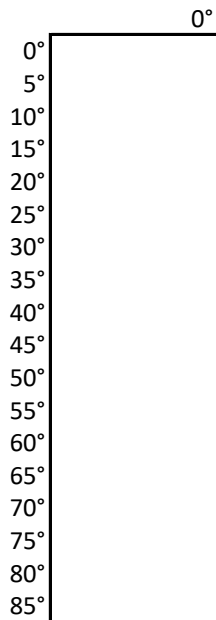
TEST NUMBER: P1505560

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-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	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	100	107	104	101	98	99	97	94	95	93	91	90	89	87	85		
2	103	96	91	86	100	94	89	85	90	86	83	86	83	80	83	80	78	76		
3	96	87	81	76	93	85	80	75	82	77	73	79	75	71	76	73	70	67		
4	89	79	72	67	87	78	71	66	75	69	65	72	68	64	70	66	62	60		
5	83	73	65	60	81	71	64	59	69	63	58	67	61	57	64	60	56	55		
6	78	67	59	54	76	66	59	53	63	57	53	62	56	52	60	55	51	49		
7	73	61	54	49	71	60	53	49	59	52	48	57	51	47	55	51	47	45		
8	68	57	50	45	67	56	49	44	54	48	44	53	47	43	52	47	43	41		
9	64	53	46	41	63	52	45	41	51	45	40	49	44	40	48	43	39	38		
10	61	49	42	38	59	48	42	37	47	41	37	46	41	37	45	40	36	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505560

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (6500K_L36_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1894.8	5.4
10°-20°	5428.3	15.4
20°-30°	8157.7	23.2
30°-40°	8278.9	23.5
40°-50°	4981.9	14.1
50°-60°	2142.1	6.1
60°-70°	1759.7	5.0
70°-80°	722.8	2.1
80°-90°	327.2	0.9
90°-100°	524.5	1.5
100°-110°	476.9	1.4
110°-120°	221.7	0.6
120°-130°	98.5	0.3
130°-140°	74.3	0.2
140°-150°	57.1	0.2
150°-160°	38.8	0.1
160°-170°	21.9	0.1
170°-180°	6.6	0.0
0°-30°	15480.8	44.0
0°-40°	23759.7	67.5
0°-60°	30883.6	87.7
0°-90°	33693.3	95.7
90°-120°	1223.1	3.5
90°-150°	1452.9	4.1
90°-180°	1520.0	4.3
0°-180°	35213.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19990	
5°	19932	###
15°	19238	5428
25°	17770	8158
35°	13424	8279
45°	6424	4982
55°	2130	2142
65°	1863	1760
75°	623	723
85°	273	241
90°	336	189
95°	503	421
105°	453	477
115°	214	222
125°	104	99
135°	96	74
145°	90	57
155°	83	39
165°	77	22
175°	69	7
180°	70	

TEST NUMBER: P1505560

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (6500K_L36_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	19989.7
2.5°	19966.2
5°	19932.3
7.5°	19844.4
10°	19678.0
12.5°	19463.6
15°	19237.5
17.5°	18963.3
20°	18613.0
22.5°	18231.0
25°	17770.5
27.5°	17205.8
30°	16461.8
32.5°	15092.1
35°	13423.7
37.5°	11620.5
40°	9755.2
42.5°	7989.5
45°	6424.2
47.5°	4965.5
50°	3615.7
52.5°	2498.0
55°	2130.1
57.5°	2117.2
60°	2089.1
62.5°	2007.1
65°	1862.9
67.5°	1586.4
70°	1223.2
72.5°	875.2
75°	623.3
77.5°	459.3
80°	352.7
82.5°	292.9
85°	273.0
87.5°	289.4
90°	336.3
92.5°	418.3
95°	502.6
97.5°	555.4
100°	558.9
102.5°	514.4
105°	453.4
107.5°	389.0
110°	326.9

TEST NUMBER: P1505560

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (6500K_L36_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	268.3
115°	214.4
117.5°	172.2
120°	140.6
122.5°	118.3
125°	104.3
127.5°	97.2
130°	94.9
132.5°	94.9
135°	96.1
137.5°	97.2
140°	96.1
142.5°	93.7
145°	90.2
147.5°	87.9
150°	85.5
152.5°	84.4
155°	83.2
157.5°	83.2
160°	82.0
162.5°	79.7
165°	77.3
167.5°	73.8
170°	70.3
172.5°	68.0
175°	69.1
177.5°	70.3
180°	70.3

(END OF REPORT)