

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: P1505561

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (6500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505561
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-118)
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_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

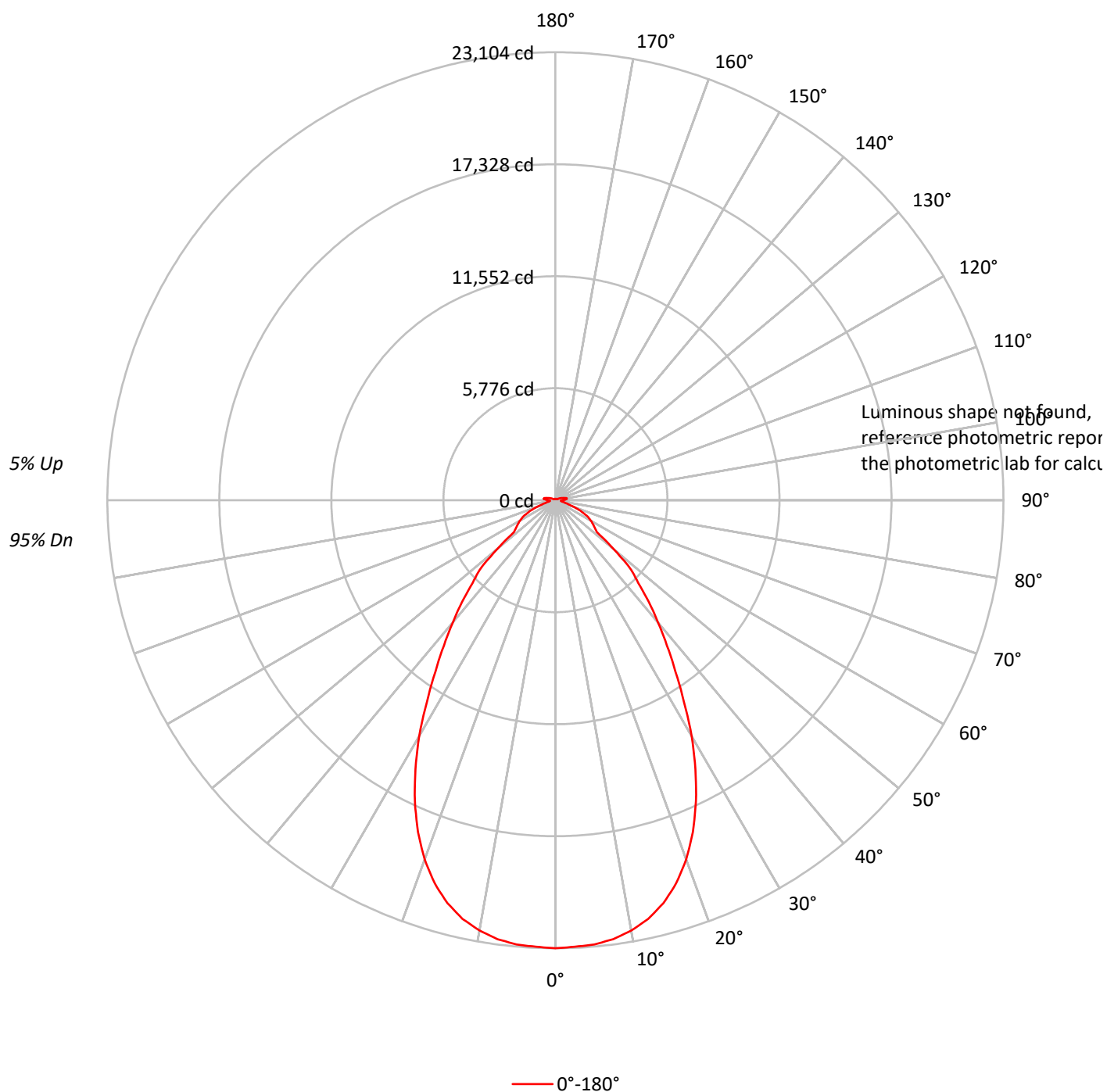
Lumens per Lamp: N/A
Luminaire Lumens: 33939.7 lumens
Efficiency: N/A
Efficacy: 141.7 lumens/watt
Spacing Criteria (0/90/45): 1/1/2001
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

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: P1505561

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (6500K_L36_Narrow_120V)

Luminous Intensity Polar Plot



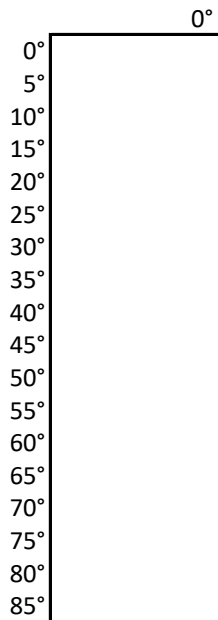
TEST NUMBER: P1505561

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (6500K_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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	95		
1	110	107	103	101	107	104	101	99	99	97	95	95	93	91	90	89	88	85		
2	103	97	91	87	100	94	90	86	90	86	83	87	83	81	83	80	78	76		
3	96	88	81	76	93	86	80	75	83	78	74	79	75	72	76	73	70	68		
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	70	67	63	61		
5	84	73	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	55		
6	79	68	60	55	77	67	60	55	64	58	54	62	57	53	61	56	52	51		
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	56	52	48	46		
8	69	58	51	46	68	57	50	46	56	50	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	43	39	49	43	39	48	42	38	46	42	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505561

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (6500K_L36_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2180.4	6.4
10°-20°	6015.6	17.7
20°-30°	7811.7	23.0
30°-40°	6793.8	20.0
40°-50°	4705.5	13.9
50°-60°	2333.3	6.9
60°-70°	1595.8	4.7
70°-80°	612.6	1.8
80°-90°	331.8	1.0
90°-100°	571.1	1.7
100°-110°	495.6	1.5
110°-120°	218.1	0.6
120°-130°	92.8	0.3
130°-140°	67.4	0.2
140°-150°	51.9	0.2
150°-160°	35.8	0.1
160°-170°	20.3	0.1
170°-180°	6.3	0.0
0°-30°	16007.7	47.2
0°-40°	22801.5	67.2
0°-60°	29840.3	87.9
0°-90°	32380.5	95.4
90°-120°	1284.9	3.8
90°-150°	1496.9	4.4
90°-180°	1559.0	4.6
0°-180°	33939.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23104	
5°	22995	###
15°	21510	6016
25°	17145	7812
35°	10788	6794
45°	6025	4706
55°	2473	2333
65°	1646	1596
75°	531	613
85°	279	238
90°	374	209
95°	550	456
105°	470	496
115°	210	218
125°	98	93
135°	88	67
145°	82	52
155°	77	36
165°	72	20
175°	67	6
180°	67	

TEST NUMBER: P1505561

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (6500K_L36_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	23103.9
2.5°	23047.7
5°	22995.0
7.5°	22829.8
10°	22531.0
12.5°	22112.7
15°	21510.5
17.5°	20714.9
20°	19708.5
22.5°	18514.6
25°	17144.9
27.5°	15637.0
30°	14047.0
32.5°	12330.5
35°	10787.5
37.5°	9445.9
40°	8246.1
42.5°	7129.5
45°	6024.7
47.5°	5300.6
50°	3896.9
52.5°	2686.6
55°	2473.4
57.5°	2292.9
60°	2110.2
62.5°	1907.5
65°	1646.2
67.5°	1341.5
70°	1017.0
72.5°	727.6
75°	530.8
77.5°	400.7
80°	317.5
82.5°	280.0
85°	278.9
87.5°	311.7
90°	373.8
92.5°	462.8
95°	549.5
97.5°	598.7
100°	594.0
102.5°	540.1
105°	469.8
107.5°	398.4
110°	329.2

TEST NUMBER: P1505561

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (6500K_L36_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	266.0
115°	209.7
117.5°	166.4
120°	134.7
122.5°	112.5
125°	98.4
127.5°	90.2
130°	86.7
132.5°	85.5
135°	87.9
137.5°	87.9
140°	86.7
142.5°	85.5
145°	82.0
147.5°	79.7
150°	78.5
152.5°	77.3
155°	77.3
157.5°	77.3
160°	76.2
162.5°	73.8
165°	71.5
167.5°	68.0
170°	65.6
172.5°	64.4
175°	66.8
177.5°	66.8
180°	66.8

(END OF REPORT)