

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: P1505606

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505606
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-124)
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-TRWH-PS (6500K_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

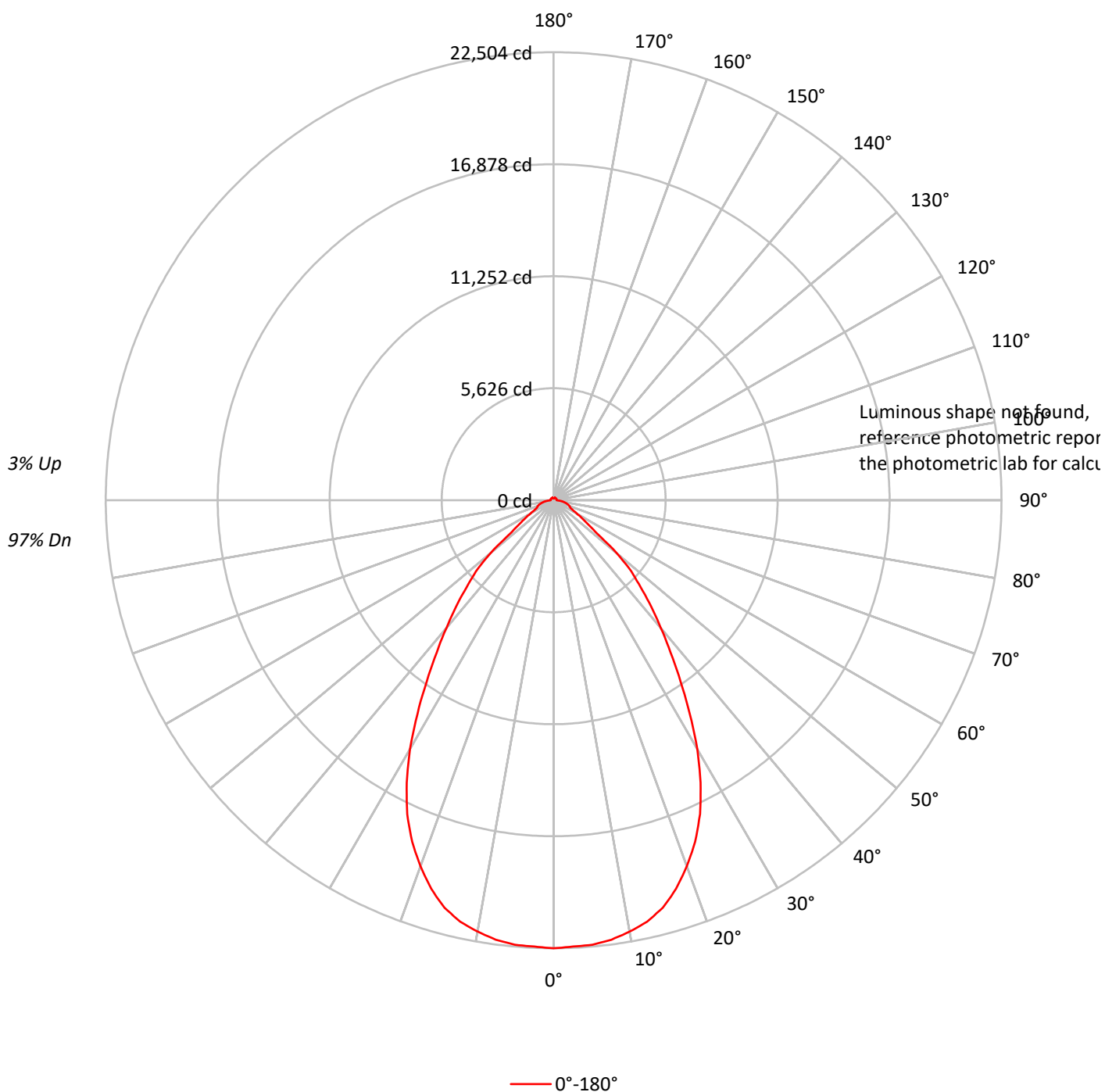
Lumens per Lamp: N/A
Luminaire Lumens: 32791.0 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.02
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

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: P1505606

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

Luminous Intensity Polar Plot





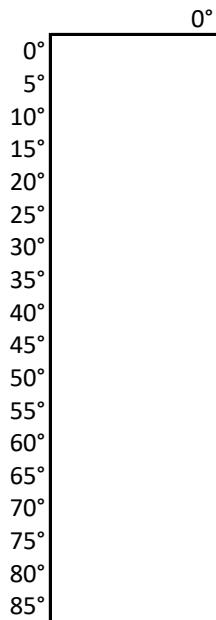
TEST NUMBER: P1505606

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-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	110	110	110	104	104	104	100	100	100	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89	87		
2	104	97	92	88	101	95	91	87	92	88	84	88	85	82	85	82	80	78		
3	97	89	82	77	94	87	81	77	84	79	75	81	77	73	78	75	72	70		
4	91	81	74	69	88	80	73	68	77	72	67	75	70	66	72	68	65	63		
5	85	74	67	62	83	73	67	62	71	65	61	69	64	60	67	63	59	57		
6	79	69	61	56	78	68	61	56	66	60	55	64	59	55	62	58	54	52		
7	75	64	56	51	73	63	56	51	61	55	51	59	54	50	58	53	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	55	50	46	54	49	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	46	43	51	46	42	41		
10	63	51	45	40	61	51	44	40	50	44	40	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505606

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2126.1	6.5
10°-20°	5925.9	18.1
20°-30°	7910.1	24.1
30°-40°	6978.9	21.3
40°-50°	4795.0	14.6
50°-60°	2065.4	6.3
60°-70°	997.3	3.0
70°-80°	731.2	2.2
80°-90°	355.6	1.1
90°-100°	160.9	0.5
100°-110°	160.6	0.5
110°-120°	151.2	0.5
120°-130°	133.5	0.4
130°-140°	111.4	0.3
140°-150°	87.9	0.3
150°-160°	60.2	0.2
160°-170°	30.8	0.1
170°-180°	9.0	0.0
0°-30°	15962.0	48.7
0°-40°	22941.0	70.0
0°-60°	29801.4	90.9
0°-90°	31885.4	97.2
90°-120°	472.7	1.4
90°-150°	805.6	2.5
90°-180°	906.0	2.8
0°-180°	32791.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22504	
5°	22413	###
15°	21190	5926
25°	17398	7910
35°	11120	6979
45°	6171	4795
55°	2102	2065
65°	953	997
75°	701	731
85°	323	304
90°	151	92
95°	146	120
105°	152	161
115°	152	151
125°	149	134
135°	143	111
145°	139	88
155°	130	60
165°	107	31
175°	93	9
180°	93	

TEST NUMBER: P1505606

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	22504.1
2.5°	22443.1
5°	22412.7
7.5°	22261.5
10°	22001.4
12.5°	21680.4
15°	21189.5
17.5°	20461.9
20°	19566.7
22.5°	18574.3
25°	17398.0
27.5°	15986.1
30°	14436.0
32.5°	12733.6
35°	11120.2
37.5°	9651.0
40°	8380.9
42.5°	7263.1
45°	6171.1
47.5°	5284.2
50°	4164.1
52.5°	2731.1
55°	2102.0
57.5°	1711.8
60°	1355.6
62.5°	1094.3
65°	952.6
67.5°	886.9
70°	838.9
72.5°	779.2
75°	700.7
77.5°	611.6
80°	516.7
82.5°	419.5
85°	323.4
87.5°	228.5
90°	151.1
92.5°	144.1
95°	146.5
97.5°	148.8
100°	150.0
102.5°	151.1
105°	152.3
107.5°	152.3
110°	153.5

TEST NUMBER: P1505606

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

CANDELA DISTRIBUTION (continued):

	0°
112.5°	152.3
115°	152.3
117.5°	152.3
120°	151.1
122.5°	150.0
125°	148.8
127.5°	147.6
130°	146.5
132.5°	145.3
135°	142.9
137.5°	142.9
140°	141.8
142.5°	140.6
145°	139.4
147.5°	139.4
150°	138.3
152.5°	134.7
155°	130.1
157.5°	124.2
160°	119.5
162.5°	113.7
165°	106.6
167.5°	101.9
170°	97.2
172.5°	93.7
175°	92.6
177.5°	92.6
180°	92.6

(END OF REPORT)