

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: P1505570

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (3000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505570
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 (3000K_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

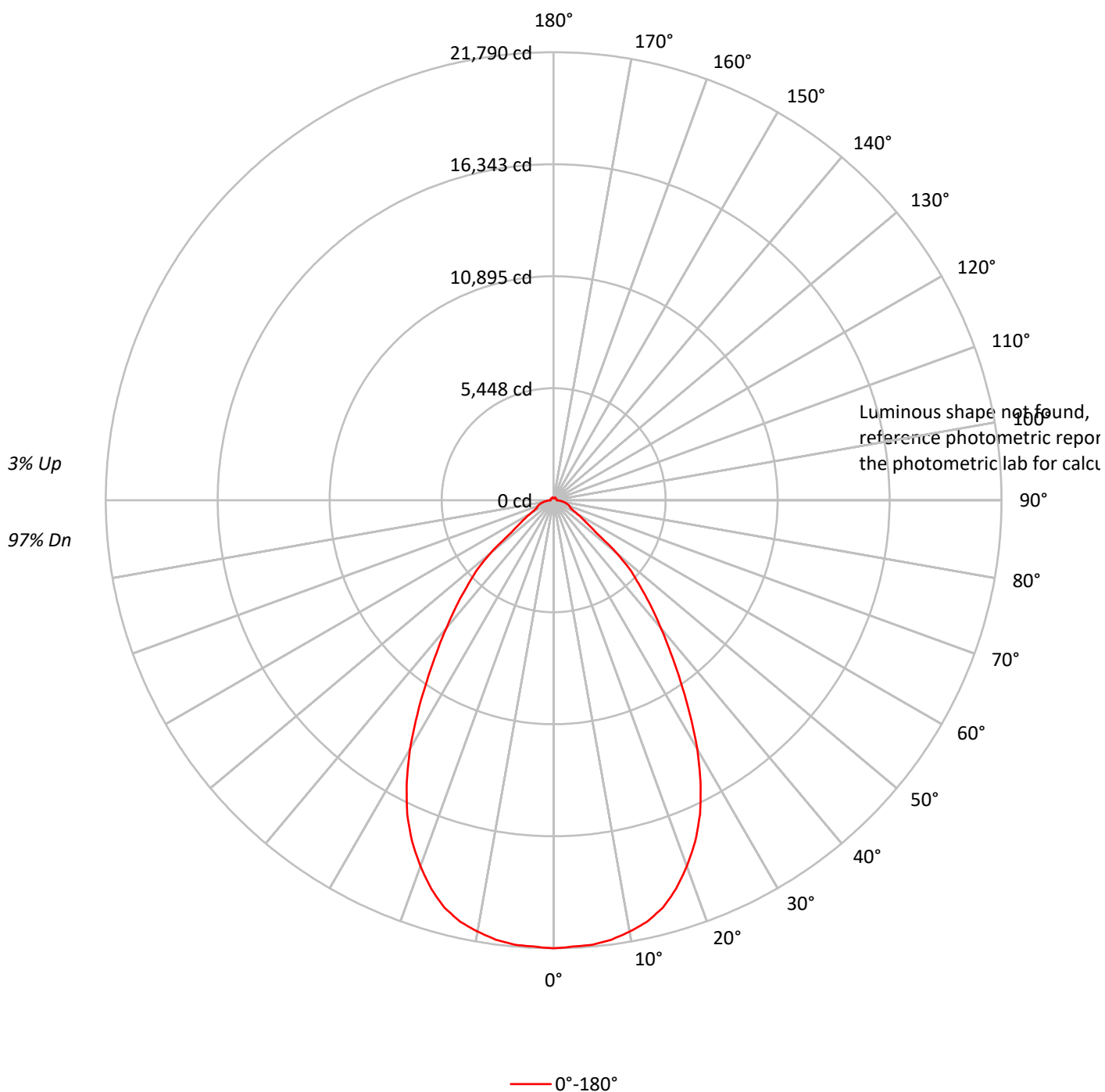
Lumens per Lamp: N/A
Luminaire Lumens: 31751.2 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.02
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 237.6
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: P1505570

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (3000K_L36_Narrow_120V)

Luminous Intensity Polar Plot





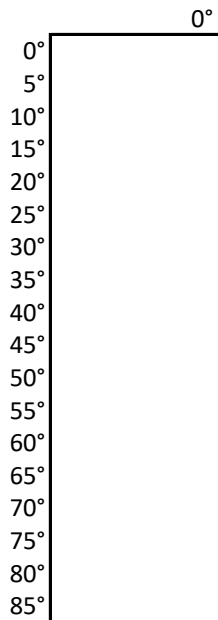
TEST NUMBER: P1505570

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (3000K_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: P1505570

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (3000K_L36_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2058.7	6.5
10°-20°	5738.0	18.1
20°-30°	7659.3	24.1
30°-40°	6757.6	21.3
40°-50°	4643.0	14.6
50°-60°	1999.9	6.3
60°-70°	965.7	3.0
70°-80°	707.9	2.2
80°-90°	344.3	1.1
90°-100°	155.8	0.5
100°-110°	155.6	0.5
110°-120°	146.4	0.5
120°-130°	129.3	0.4
130°-140°	107.9	0.3
140°-150°	85.1	0.3
150°-160°	58.3	0.2
160°-170°	29.9	0.1
170°-180°	8.7	0.0
0°-30°	15455.9	48.7
0°-40°	22213.5	70.0
0°-60°	28856.4	90.9
0°-90°	30874.3	97.2
90°-120°	457.8	1.4
90°-150°	780.1	2.5
90°-180°	877.0	2.8
0°-180°	31751.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21790	
5°	21702	###
15°	20518	5738
25°	16846	7659
35°	10768	6758
45°	5976	4643
55°	2035	2000
65°	922	966
75°	678	708
85°	313	294
90°	146	90
95°	142	117
105°	148	156
115°	148	146
125°	144	129
135°	138	108
145°	135	85
155°	126	58
165°	103	30
175°	90	9
180°	90	

TEST NUMBER: P1505570

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (3000K_L36_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	21790.5
2.5°	21731.5
5°	21702.0
7.5°	21555.7
10°	21303.8
12.5°	20993.0
15°	20517.6
17.5°	19813.1
20°	18946.3
22.5°	17985.4
25°	16846.3
27.5°	15479.2
30°	13978.3
32.5°	12329.8
35°	10767.6
37.5°	9345.0
40°	8115.1
42.5°	7032.8
45°	5975.5
47.5°	5116.6
50°	4032.0
52.5°	2644.5
55°	2035.3
57.5°	1657.5
60°	1312.6
62.5°	1059.6
65°	922.4
67.5°	858.8
70°	812.3
72.5°	754.4
75°	678.4
77.5°	592.2
80°	500.3
82.5°	406.2
85°	313.1
87.5°	221.2
90°	146.4
92.5°	139.5
95°	141.8
97.5°	144.1
100°	145.2
102.5°	146.4
105°	147.5
107.5°	147.5
110°	148.6

TEST NUMBER: P1505570

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (3000K_L36_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	147.5
115°	147.5
117.5°	147.5
120°	146.4
122.5°	145.2
125°	144.1
127.5°	142.9
130°	141.8
132.5°	140.7
135°	138.4
137.5°	138.4
140°	137.3
142.5°	136.1
145°	135.0
147.5°	135.0
150°	133.9
152.5°	130.5
155°	125.9
157.5°	120.3
160°	115.7
162.5°	110.0
165°	103.2
167.5°	98.7
170°	94.2
172.5°	90.8
175°	89.6
177.5°	89.6
180°	89.6

(END OF REPORT)