

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: P1505345

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505345
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-94)
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-04-CLER-PS (3000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

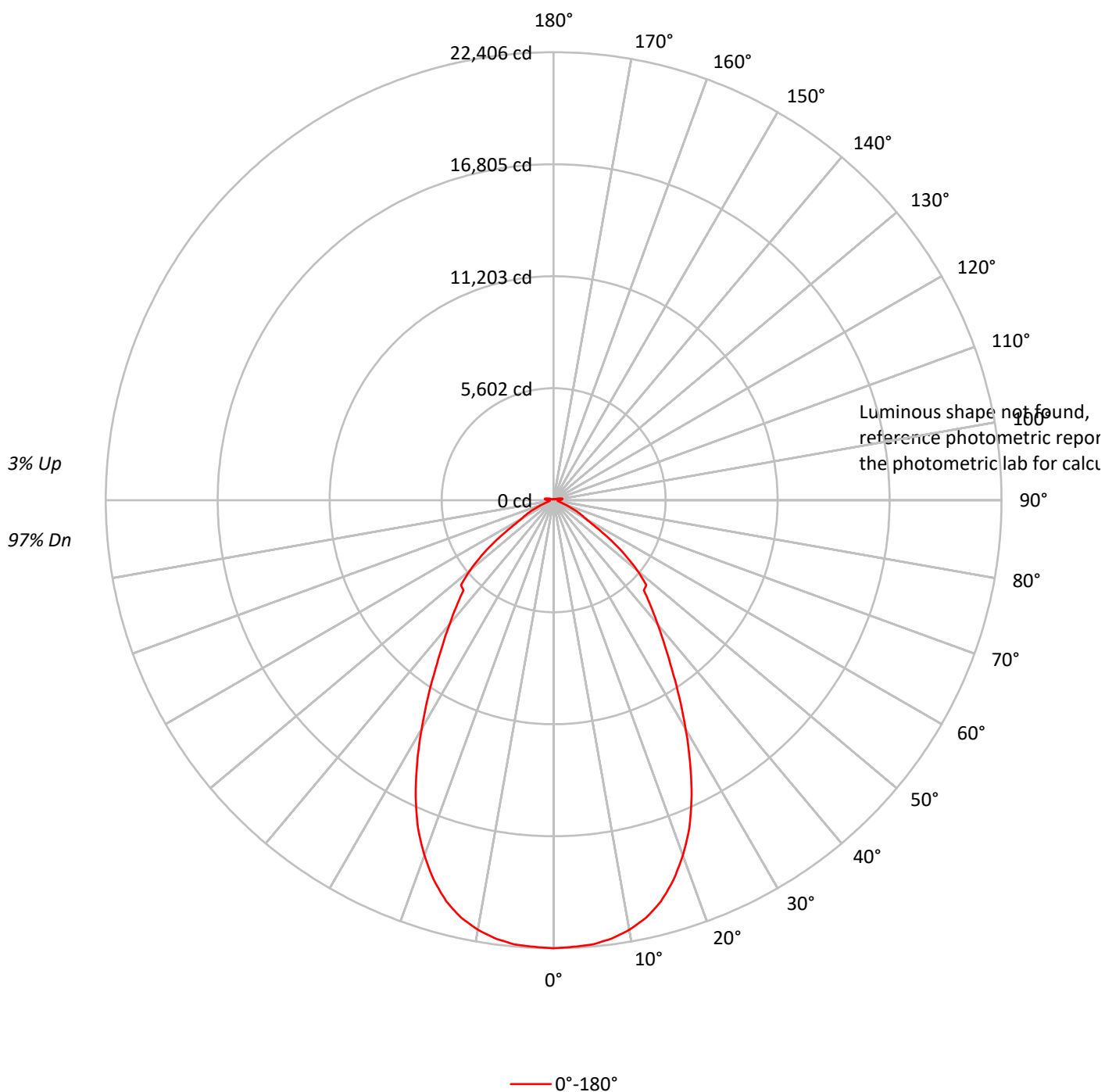
Lumens per Lamp: N/A
Luminaire Lumens: 33013.4 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

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: P1505345

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3000K_L36_Narrow_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1505345

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-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	109	109	109	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	103	97	92	88	101	95	90	86	91	87	84	88	84	82	84	82	79	77		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	77	74	71	69		
4	90	80	73	68	88	79	73	68	76	71	66	74	69	65	71	67	64	62		
5	84	74	66	61	82	72	66	61	70	64	60	68	63	59	66	61	58	56		
6	79	68	60	55	77	67	60	55	65	59	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	46		
8	69	58	51	46	68	57	50	46	56	49	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	49	45	41	39		
10	62	50	43	39	60	50	43	39	49	43	38	47	42	38	46	41	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505345

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3000K_L36_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2113.1	6.4
10°-20°	5799.5	17.6
20°-30°	7432.5	22.5
30°-40°	6494.2	19.7
40°-50°	5131.6	15.5
50°-60°	3159.2	9.6
60°-70°	1165.4	3.5
70°-80°	347.6	1.1
80°-90°	238.8	0.7
90°-100°	431.0	1.3
100°-110°	374.4	1.1
110°-120°	153.0	0.5
120°-130°	58.1	0.2
130°-140°	40.0	0.1
140°-150°	32.6	0.1
150°-160°	23.7	0.1
160°-170°	14.0	0.0
170°-180°	4.7	0.0
0°-30°	15345.1	46.5
0°-40°	21839.3	66.2
0°-60°	30130.1	91.3
0°-90°	31881.9	96.6
90°-120°	958.4	2.9
90°-150°	1089.1	3.3
90°-180°	1132.0	3.4
0°-180°	33013.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22406	
5°	22304	###
15°	20764	5799
25°	16331	7433
35°	10297	6494
45°	6376	5132
55°	3542	3159
65°	1180	1165
75°	301	348
85°	200	168
90°	285	158
95°	415	343
105°	360	374
115°	145	153
125°	61	58
135°	51	40
145°	52	33
155°	51	24
165°	49	14
175°	50	5
180°	52	

TEST NUMBER: P1505345

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3000K_L36_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	22406.5
2.5°	22353.2
5°	22304.4
7.5°	22117.2
10°	21816.6
12.5°	21382.1
15°	20763.8
17.5°	19922.0
20°	18906.6
22.5°	17733.5
25°	16331.3
27.5°	14783.8
30°	13209.1
32.5°	11695.7
35°	10296.8
37.5°	9111.2
40°	8087.9
42.5°	7193.9
45°	6375.9
47.5°	6284.0
50°	5466.1
52.5°	4525.6
55°	3541.9
57.5°	2510.7
60°	1837.9
62.5°	1533.9
65°	1179.9
67.5°	822.5
70°	550.2
72.5°	384.6
75°	300.6
77.5°	251.9
80°	213.3
82.5°	195.1
85°	199.7
87.5°	231.4
90°	284.8
92.5°	354.0
95°	415.2
97.5°	448.1
100°	442.5
102.5°	408.4
105°	359.6
107.5°	301.8
110°	242.8

TEST NUMBER: P1505345

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3000K_L36_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	189.5
115°	145.2
117.5°	112.3
120°	88.5
122.5°	71.5
125°	61.3
127.5°	54.5
130°	52.2
132.5°	51.1
135°	51.1
137.5°	52.2
140°	52.2
142.5°	52.2
145°	52.2
147.5°	51.1
150°	52.2
152.5°	51.1
155°	51.1
157.5°	51.1
160°	51.1
162.5°	49.9
165°	48.8
167.5°	48.8
170°	47.6
172.5°	48.8
175°	49.9
177.5°	52.2
180°	52.2

(END OF REPORT)