

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: P1505355

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3500K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505355
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-96)
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 (3500K_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

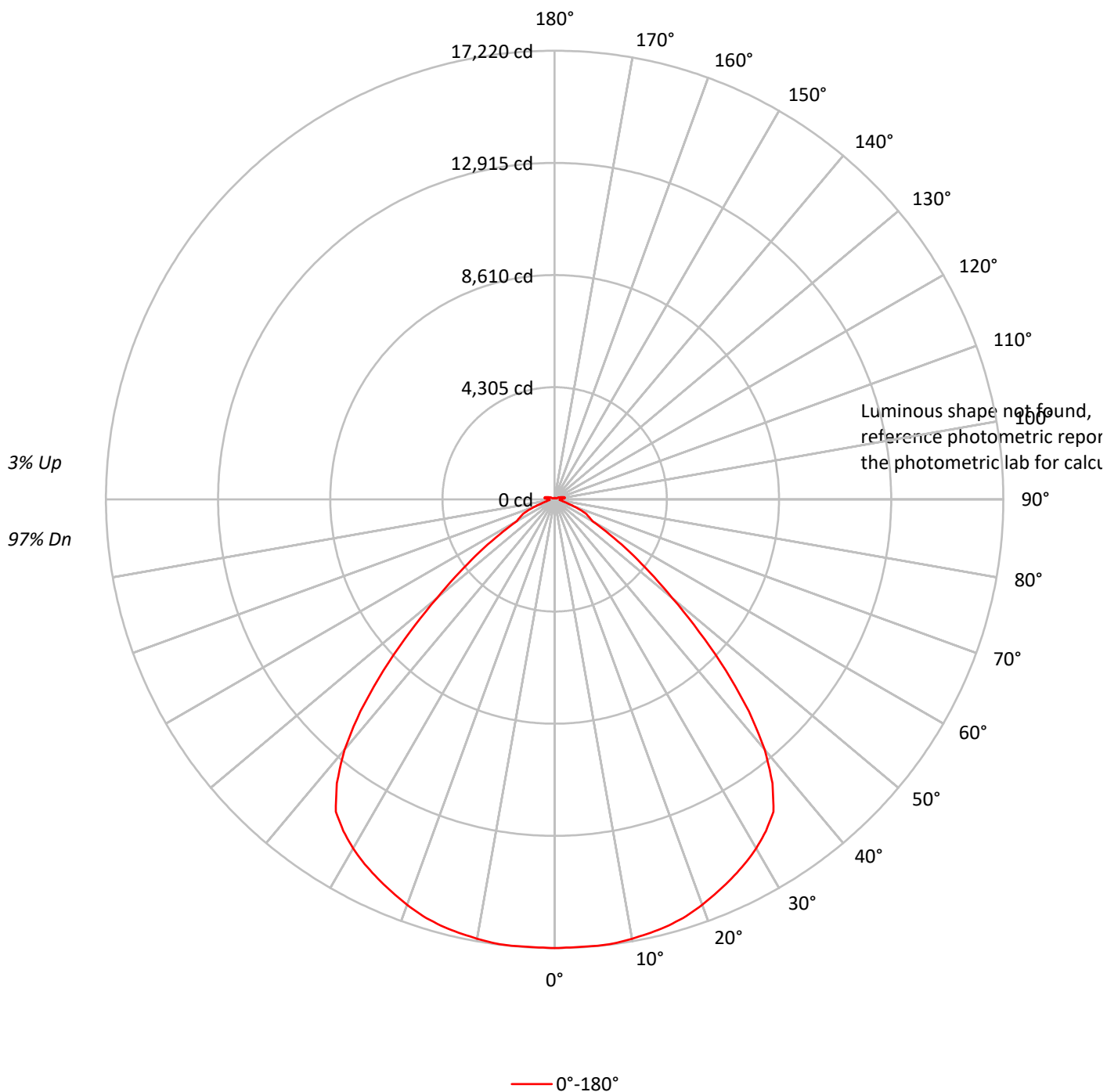
Lumens per Lamp: N/A
Luminaire Lumens: 36199.6 lumens
Efficiency: N/A
Efficacy: 153.8 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 235.4
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

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Luminous Intensity Polar Plot



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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	50	30	10
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	97	
1	111	107	104	101	108	105	102	99	100	97	95	96	94	92	92	90	89	89	87	
2	103	96	91	87	100	94	89	85	91	86	83	87	84	81	84	81	79	79	76	
3	96	87	80	75	93	85	79	74	82	77	73	79	75	71	76	73	70	70	68	
4	89	79	72	66	86	77	71	65	75	69	64	72	67	63	70	65	62	62	60	
5	82	72	64	58	80	70	63	58	68	62	57	66	60	56	64	59	55	55	54	
6	77	65	58	52	75	64	57	52	62	56	51	60	55	50	59	54	50	50	48	
7	72	60	52	47	70	59	52	46	57	51	46	56	50	45	54	49	45	45	43	
8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50	45	41	41	39	
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	46	41	37	37	36	
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	34	33	

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505355

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3500K_L36_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1640.4	4.5
10°-20°	4781.4	13.2
20°-30°	7411.0	20.5
30°-40°	8989.9	24.8
40°-50°	7104.3	19.6
50°-60°	3189.7	8.8
60°-70°	1287.5	3.6
70°-80°	478.9	1.3
80°-90°	227.0	0.6
90°-100°	361.5	1.0
100°-110°	354.5	1.0
110°-120°	166.5	0.5
120°-130°	69.3	0.2
130°-140°	49.6	0.1
140°-150°	39.9	0.1
150°-160°	27.7	0.1
160°-170°	15.6	0.0
170°-180°	4.8	0.0
0°-30°	13832.8	38.2
0°-40°	22822.7	63.0
0°-60°	33116.8	91.5
0°-90°	35110.1	97.0
90°-120°	882.5	2.4
90°-150°	1041.3	2.9
90°-180°	1089.0	3.0
0°-180°	36199.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17220	
5°	17212	###
15°	16930	4781
25°	16060	7411
35°	14640	8990
45°	9288	7104
55°	3493	3190
65°	1353	1287
75°	407	479
85°	190	169
90°	226	128
95°	345	292
105°	342	354
115°	162	167
125°	73	69
135°	64	50
145°	63	40
155°	59	28
165°	55	16
175°	51	5
180°	52	

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CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3500K_L36_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	17220.5
2.5°	17203.0
5°	17212.3
7.5°	17196.0
10°	17120.5
12.5°	17034.5
15°	16929.8
17.5°	16776.4
20°	16559.0
22.5°	16312.6
25°	16060.3
27.5°	15783.7
30°	15468.6
32.5°	15089.7
35°	14639.8
37.5°	13728.5
40°	12542.8
42.5°	11032.8
45°	9287.9
47.5°	7524.5
50°	5895.9
52.5°	4587.0
55°	3493.1
57.5°	2507.4
60°	1692.5
62.5°	1497.2
65°	1353.1
67.5°	1105.5
70°	814.9
72.5°	562.6
75°	406.9
77.5°	316.2
80°	251.1
82.5°	209.2
85°	189.5
87.5°	195.3
90°	225.5
92.5°	284.8
95°	345.2
97.5°	385.9
100°	395.2
102.5°	376.6
105°	341.8
107.5°	297.6
110°	248.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	203.4
115°	161.6
117.5°	126.7
120°	102.3
122.5°	84.9
125°	73.2
127.5°	66.3
130°	63.9
132.5°	62.8
135°	63.9
137.5°	65.1
140°	65.1
142.5°	65.1
145°	62.8
147.5°	62.8
150°	61.6
152.5°	60.4
155°	59.3
157.5°	59.3
160°	58.1
162.5°	57.0
165°	54.6
167.5°	52.3
170°	50.0
172.5°	50.0
175°	51.1
177.5°	52.3
180°	52.3

(END OF REPORT)