

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: P1505002

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (4000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505002
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-83)
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-A-04-CLER-PS (4000K_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

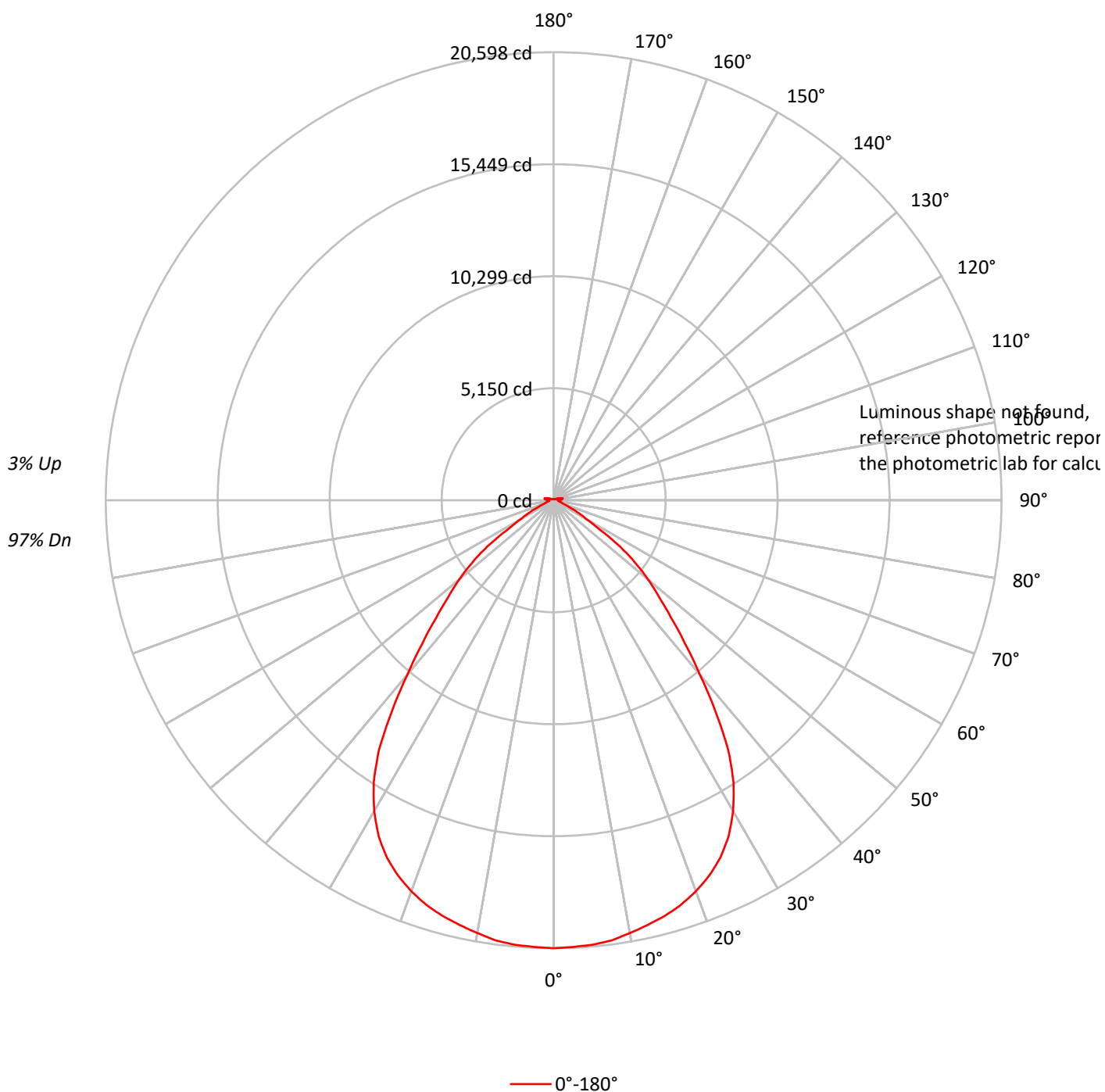
Lumens per Lamp: N/A
Luminaire Lumens: 36412.5 lumens
Efficiency: N/A
Efficacy: 157.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 231.9
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	99	97
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	89	89	87
2	104	97	92	88	101	95	90	87	91	87	84	88	85	82	84	82	80	80	80	78
3	96	88	82	77	94	86	81	76	83	78	74	80	76	73	78	74	71	71	71	69
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	64	64	62
5	84	73	66	61	82	72	65	60	70	64	59	68	62	58	66	61	58	58	58	56
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	52	52	50
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	47	47	46
8	69	57	50	45	67	56	49	44	55	49	44	53	48	44	52	47	43	43	43	42
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	43	40	40	40	38
10	61	49	42	38	59	49	42	37	47	41	37	46	41	37	45	40	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1948.8	5.4
10°-20°	5579.5	15.3
20°-30°	8304.3	22.8
30°-40°	8577.6	23.6
40°-50°	5994.1	16.5
50°-60°	3274.8	9.0
60°-70°	1006.3	2.8
70°-80°	354.6	1.0
80°-90°	226.4	0.6
90°-100°	385.0	1.1
100°-110°	386.1	1.1
110°-120°	175.0	0.5
120°-130°	68.5	0.2
130°-140°	46.4	0.1
140°-150°	39.0	0.1
150°-160°	27.5	0.1
160°-170°	14.2	0.0
170°-180°	4.1	0.0
0°-30°	15832.7	43.5
0°-40°	24410.3	67.0
0°-60°	33679.2	92.5
0°-90°	35266.6	96.9
90°-120°	946.1	2.6
90°-150°	1100.0	3.0
90°-180°	1146.0	3.1
0°-180°	36412.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20598	
5°	20513	###
15°	19777	5580
25°	18135	8304
35°	13995	8578
45°	7637	5994
55°	3739	3275
65°	968	1006
75°	331	355
85°	189	165
90°	242	136
95°	363	310
105°	374	386
115°	170	175
125°	73	69
135°	59	46
145°	62	39
155°	59	28
165°	50	14
175°	42	4
180°	42	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20598.1
2.5°	20554.5
5°	20513.3
7.5°	20411.6
10°	20207.0
12.5°	19997.5
15°	19777.1
17.5°	19499.8
20°	19134.1
22.5°	18684.9
25°	18135.2
27.5°	17423.2
30°	16512.6
32.5°	15399.8
35°	13995.2
37.5°	12214.0
40°	10465.5
42.5°	8953.2
45°	7636.9
47.5°	6555.6
50°	5685.0
52.5°	4738.1
55°	3739.2
57.5°	2561.0
60°	1753.3
62.5°	1365.9
65°	967.5
67.5°	646.6
70°	466.2
72.5°	381.4
75°	330.6
77.5°	282.1
80°	233.7
82.5°	198.6
85°	188.9
87.5°	204.6
90°	242.2
92.5°	302.7
95°	363.3
97.5°	410.5
100°	429.9
102.5°	412.9
105°	374.2
107.5°	322.1
110°	266.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	214.3
115°	169.5
117.5°	132.0
120°	104.1
122.5°	84.8
125°	72.7
127.5°	64.2
130°	60.5
132.5°	59.3
135°	59.3
137.5°	60.5
140°	60.5
142.5°	61.8
145°	61.8
147.5°	63.0
150°	63.0
152.5°	61.8
155°	59.3
157.5°	56.9
160°	54.5
162.5°	52.1
165°	49.6
167.5°	47.2
170°	44.8
172.5°	43.6
175°	42.4
177.5°	42.4
180°	42.4

(END OF REPORT)