

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: P1504985

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504985
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-82)
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 (3000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

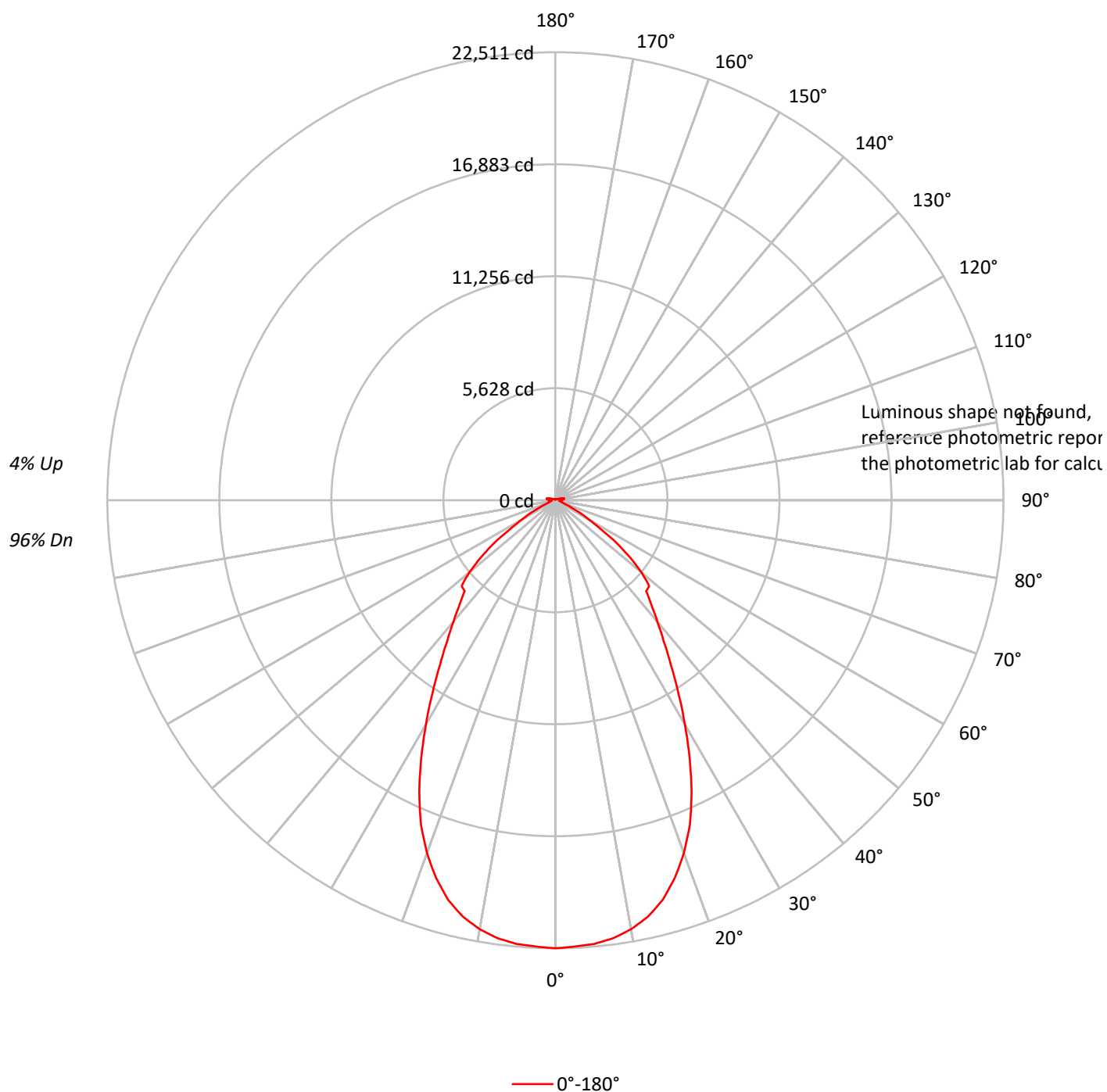
Lumens per Lamp: N/A
Luminaire Lumens: 32903.2 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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

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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			96
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	87	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	74	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	44	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: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2120.5	6.4
10°-20°	5804.2	17.6
20°-30°	7366.5	22.4
30°-40°	6382.2	19.4
40°-50°	5163.7	15.7
50°-60°	3325.3	10.1
60°-70°	1021.7	3.1
70°-80°	328.8	1.0
80°-90°	235.2	0.7
90°-100°	413.7	1.3
100°-110°	393.5	1.2
110°-120°	167.2	0.5
120°-130°	62.6	0.2
130°-140°	41.0	0.1
140°-150°	34.4	0.1
150°-160°	24.7	0.1
160°-170°	13.7	0.0
170°-180°	4.2	0.0
0°-30°	15291.3	46.5
0°-40°	21673.5	65.9
0°-60°	30162.5	91.7
0°-90°	31748.3	96.5
90°-120°	974.4	3.0
90°-150°	1112.3	3.4
90°-180°	1155.0	3.5
0°-180°	32903.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22511	
5°	22380	###
15°	20793	5804
25°	16186	7367
35°	10107	6382
45°	6447	5164
55°	3753	3325
65°	943	1022
75°	305	329
85°	196	168
90°	268	149
95°	392	332
105°	381	394
115°	160	167
125°	66	63
135°	52	41
145°	54	34
155°	53	25
165°	48	14
175°	44	4
180°	43	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	22510.9
2.5°	22441.7
5°	22380.5
7.5°	22193.3
10°	21888.1
12.5°	21440.0
15°	20793.3
17.5°	19911.8
20°	18864.6
22.5°	17640.5
25°	16186.0
27.5°	14596.6
30°	13002.6
32.5°	11505.1
35°	10107.3
37.5°	8936.5
40°	7967.7
42.5°	7132.7
45°	6447.4
47.5°	6390.7
50°	5648.7
52.5°	4741.1
55°	3753.0
57.5°	2685.4
60°	1940.0
62.5°	1427.2
65°	942.8
67.5°	602.4
70°	430.0
72.5°	349.4
75°	305.2
77.5°	264.3
80°	224.6
82.5°	197.4
85°	196.3
87.5°	222.4
90°	267.7
92.5°	331.3
95°	392.5
97.5°	435.7
100°	448.1
102.5°	426.6
105°	381.2
107.5°	322.2
110°	262.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	206.5
115°	160.0
117.5°	123.7
120°	96.4
122.5°	78.3
125°	65.8
127.5°	57.9
130°	54.5
132.5°	52.2
135°	52.2
137.5°	53.3
140°	53.3
142.5°	54.5
145°	54.5
147.5°	55.6
150°	55.6
152.5°	54.5
155°	53.3
157.5°	52.2
160°	51.1
162.5°	49.9
165°	47.6
167.5°	46.5
170°	45.4
172.5°	44.2
175°	44.2
177.5°	43.1
180°	43.1

(END OF REPORT)