

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: P1504994

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504994
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 (3500K_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

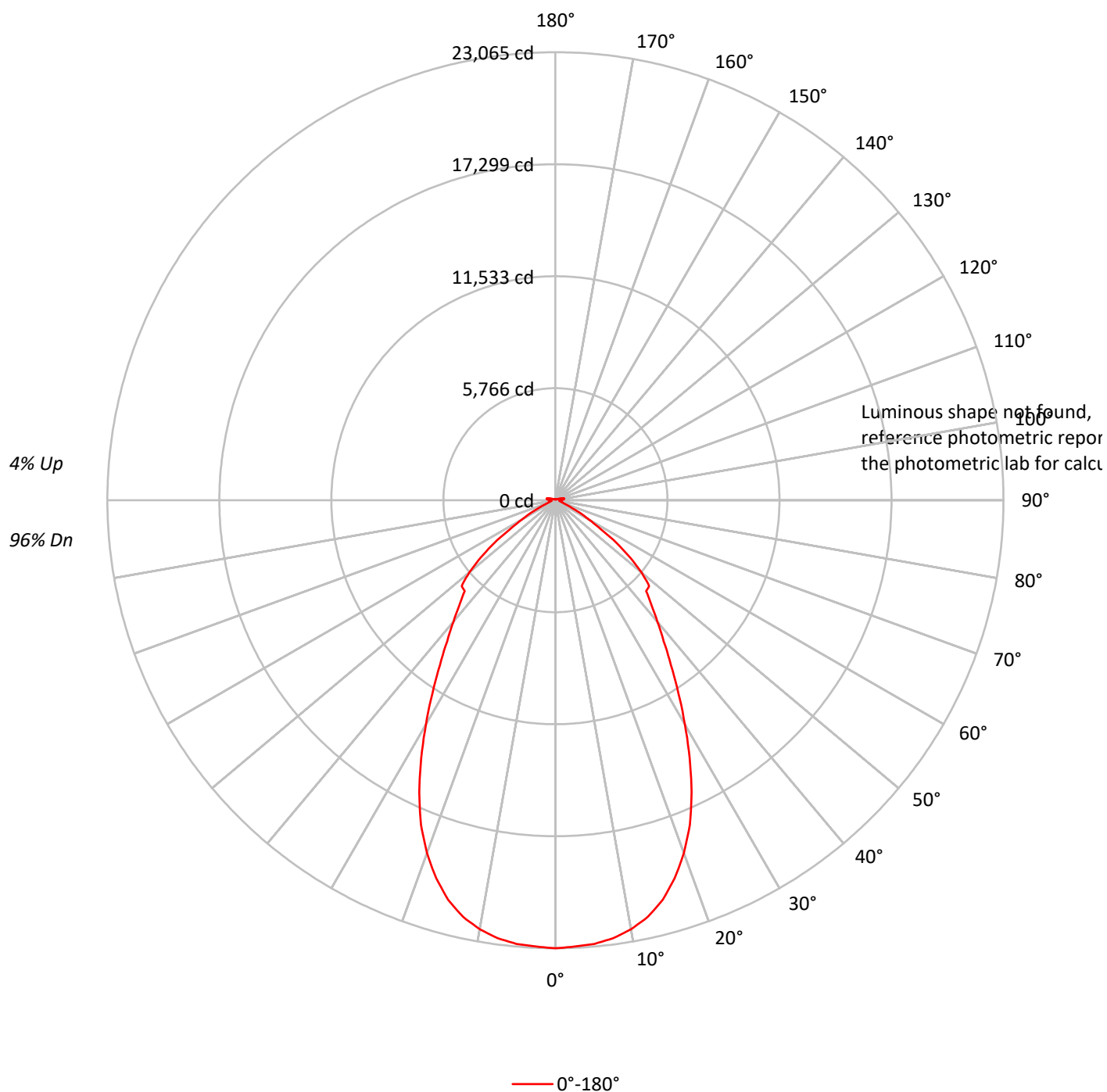
Lumens per Lamp: N/A
Luminaire Lumens: 33713.4 lumens
Efficiency: N/A
Efficacy: 143.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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



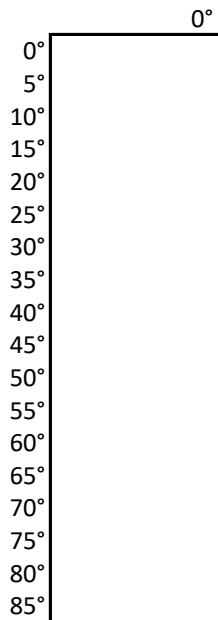
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	0		
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°	2172.7	6.4
10°-20°	5947.1	17.6
20°-30°	7547.9	22.4
30°-40°	6539.3	19.4
40°-50°	5290.8	15.7
50°-60°	3407.2	10.1
60°-70°	1046.9	3.1
70°-80°	336.9	1.0
80°-90°	241.0	0.7
90°-100°	423.8	1.3
100°-110°	403.2	1.2
110°-120°	171.3	0.5
120°-130°	64.1	0.2
130°-140°	42.0	0.1
140°-150°	35.2	0.1
150°-160°	25.4	0.1
160°-170°	14.1	0.0
170°-180°	4.3	0.0
0°-30°	15667.8	46.5
0°-40°	22207.1	65.9
0°-60°	30905.1	91.7
0°-90°	32530.0	96.5
90°-120°	998.3	3.0
90°-150°	1139.6	3.4
90°-180°	1183.0	3.5
0°-180°	33713.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23065	
5°	22932	###
15°	21305	5947
25°	16585	7548
35°	10356	6539
45°	6606	5291
55°	3845	3407
65°	966	1047
75°	313	337
85°	201	172
90°	274	153
95°	402	340
105°	391	403
115°	164	171
125°	67	64
135°	54	42
145°	56	35
155°	55	25
165°	49	14
175°	45	4
180°	44	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23065.2
2.5°	22994.3
5°	22931.5
7.5°	22739.7
10°	22427.0
12.5°	21967.9
15°	21305.3
17.5°	20402.1
20°	19329.1
22.5°	18074.8
25°	16584.6
27.5°	14956.0
30°	13322.8
32.5°	11788.3
35°	10356.2
37.5°	9156.6
40°	8163.8
42.5°	7308.3
45°	6606.2
47.5°	6548.0
50°	5787.8
52.5°	4857.9
55°	3845.4
57.5°	2751.5
60°	1987.8
62.5°	1462.4
65°	966.0
67.5°	617.3
70°	440.6
72.5°	358.0
75°	312.7
77.5°	270.8
80°	230.2
82.5°	202.3
85°	201.1
87.5°	227.8
90°	274.3
92.5°	339.4
95°	402.2
97.5°	446.4
100°	459.2
102.5°	437.1
105°	390.6
107.5°	330.1
110°	268.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	211.6
115°	163.9
117.5°	126.7
120°	98.8
122.5°	80.2
125°	67.4
127.5°	59.3
130°	55.8
132.5°	53.5
135°	53.5
137.5°	54.6
140°	54.6
142.5°	55.8
145°	55.8
147.5°	57.0
150°	57.0
152.5°	55.8
155°	54.6
157.5°	53.5
160°	52.3
162.5°	51.1
165°	48.8
167.5°	47.7
170°	46.5
172.5°	45.3
175°	45.3
177.5°	44.2
180°	44.2

(END OF REPORT)