

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: P1505015

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (6500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505015
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 (6500K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

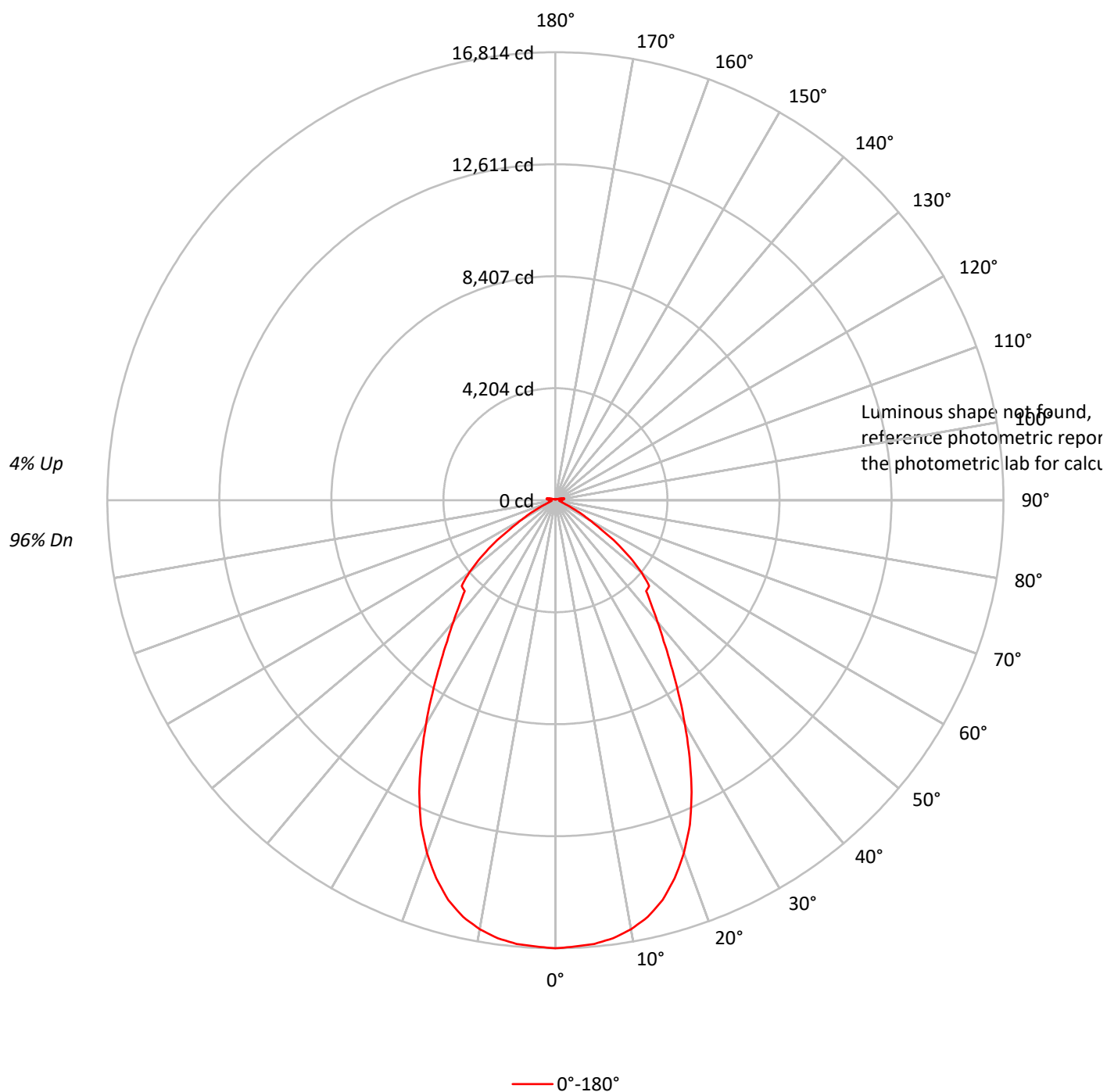
Lumens per Lamp: N/A
Luminaire Lumens: 24576.7 lumens
Efficiency: N/A
Efficacy: 153.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 159.8
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





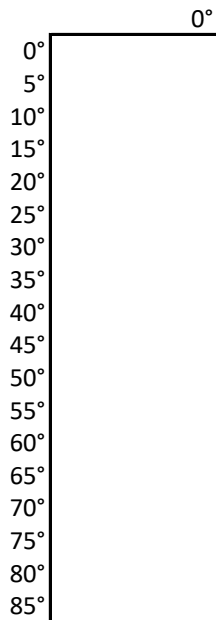
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	1583.9	6.4
10°-20°	4335.4	17.6
20°-30°	5502.4	22.4
30°-40°	4767.1	19.4
40°-50°	3857.0	15.7
50°-60°	2483.8	10.1
60°-70°	763.2	3.1
70°-80°	245.6	1.0
80°-90°	175.7	0.7
90°-100°	309.0	1.3
100°-110°	293.9	1.2
110°-120°	124.9	0.5
120°-130°	46.7	0.2
130°-140°	30.6	0.1
140°-150°	25.7	0.1
150°-160°	18.5	0.1
160°-170°	10.2	0.0
170°-180°	3.2	0.0
0°-30°	11421.7	46.5
0°-40°	16188.8	65.9
0°-60°	22529.6	91.7
0°-90°	23714.1	96.5
90°-120°	727.8	3.0
90°-150°	830.7	3.4
90°-180°	863.0	3.5
0°-180°	24576.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16814	
5°	16717	###
15°	15531	4335
25°	12090	5502
35°	7550	4767
45°	4816	3857
55°	2803	2484
65°	704	763
75°	228	246
85°	147	126
90°	200	111
95°	293	248
105°	285	294
115°	120	125
125°	49	47
135°	39	31
145°	41	26
155°	40	18
165°	36	10
175°	33	3
180°	32	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16814.3
2.5°	16762.6
5°	16716.9
7.5°	16577.0
10°	16349.1
12.5°	16014.4
15°	15531.3
17.5°	14872.9
20°	14090.7
22.5°	13176.4
25°	12090.0
27.5°	10902.8
30°	9712.2
32.5°	8593.6
35°	7549.6
37.5°	6675.1
40°	5951.4
42.5°	5327.7
45°	4815.8
47.5°	4773.5
50°	4219.3
52.5°	3541.3
55°	2803.2
57.5°	2005.8
60°	1449.1
62.5°	1066.0
65°	704.2
67.5°	450.0
70°	321.2
72.5°	261.0
75°	228.0
77.5°	197.4
80°	167.8
82.5°	147.4
85°	146.6
87.5°	166.1
90°	200.0
92.5°	247.4
95°	293.2
97.5°	325.4
100°	334.7
102.5°	318.6
105°	284.7
107.5°	240.7
110°	195.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	154.2
115°	119.5
117.5°	92.4
120°	72.0
122.5°	58.5
125°	49.1
127.5°	43.2
130°	40.7
132.5°	39.0
135°	39.0
137.5°	39.8
140°	39.8
142.5°	40.7
145°	40.7
147.5°	41.5
150°	41.5
152.5°	40.7
155°	39.8
157.5°	39.0
160°	38.1
162.5°	37.3
165°	35.6
167.5°	34.7
170°	33.9
172.5°	33.0
175°	33.0
177.5°	32.2
180°	32.2

(END OF REPORT)