

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: P1505375

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505375
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-94)
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 (6500K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

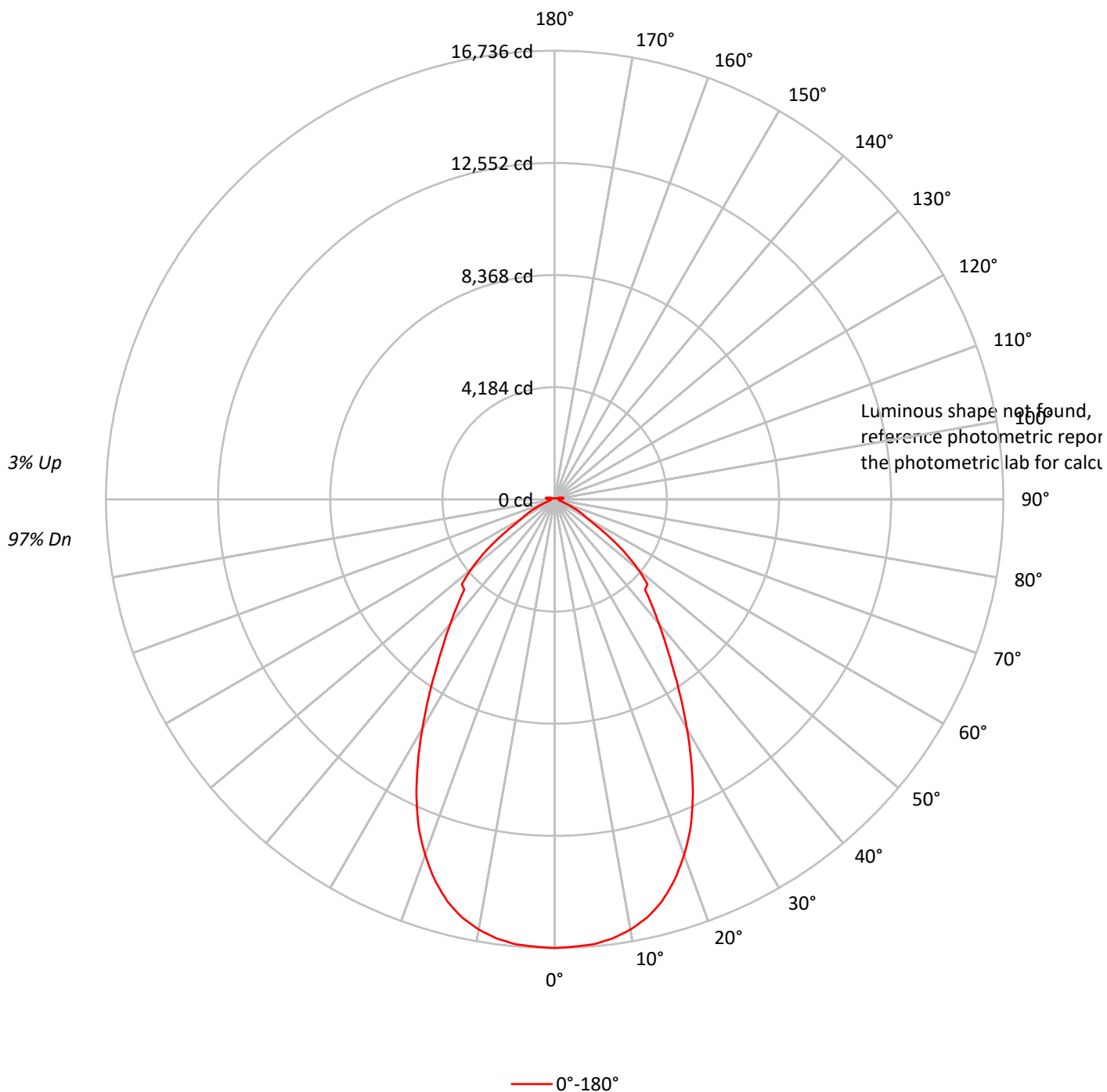
Lumens per Lamp: N/A
Luminaire Lumens: 24659.0 lumens
Efficiency: N/A
Efficacy: 154.3 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

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





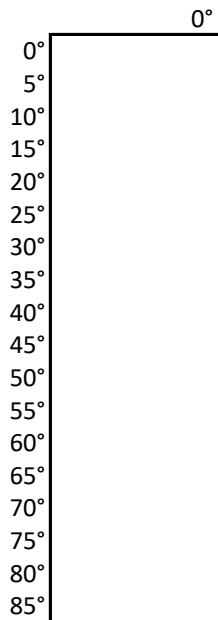
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	97		
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	86	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	73	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	45	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°	1578.4	6.4
10°-20°	4331.9	17.6
20°-30°	5551.6	22.5
30°-40°	4850.8	19.7
40°-50°	3833.0	15.5
50°-60°	2359.7	9.6
60°-70°	870.5	3.5
70°-80°	259.6	1.1
80°-90°	178.4	0.7
90°-100°	322.0	1.3
100°-110°	279.6	1.1
110°-120°	114.3	0.5
120°-130°	43.4	0.2
130°-140°	29.8	0.1
140°-150°	24.4	0.1
150°-160°	17.7	0.1
160°-170°	10.4	0.0
170°-180°	3.5	0.0
0°-30°	11461.9	46.5
0°-40°	16312.7	66.2
0°-60°	22505.4	91.3
0°-90°	23813.9	96.6
90°-120°	715.9	2.9
90°-150°	813.5	3.3
90°-180°	845.0	3.4
0°-180°	24659.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16736	
5°	16660	###
15°	15509	4332
25°	12198	5552
35°	7691	4851
45°	4762	3833
55°	2646	2360
65°	881	870
75°	225	260
85°	149	126
90°	213	118
95°	310	257
105°	269	280
115°	108	114
125°	46	43
135°	38	30
145°	39	24
155°	38	18
165°	36	10
175°	37	4
180°	39	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16736.4
2.5°	16696.5
5°	16660.1
7.5°	16520.3
10°	16295.7
12.5°	15971.1
15°	15509.3
17.5°	14880.5
20°	14122.1
22.5°	13245.9
25°	12198.5
27.5°	11042.6
30°	9866.4
32.5°	8736.0
35°	7691.1
37.5°	6805.6
40°	6041.2
42.5°	5373.4
45°	4762.4
47.5°	4693.8
50°	4082.8
52.5°	3380.3
55°	2645.6
57.5°	1875.3
60°	1372.8
62.5°	1145.7
65°	881.3
67.5°	614.4
70°	411.0
72.5°	287.3
75°	224.6
77.5°	188.1
80°	159.3
82.5°	145.8
85°	149.1
87.5°	172.9
90°	212.7
92.5°	264.4
95°	310.2
97.5°	334.7
100°	330.5
102.5°	305.1
105°	268.6
107.5°	225.4
110°	181.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	141.5
115°	108.5
117.5°	83.9
120°	66.1
122.5°	53.4
125°	45.8
127.5°	40.7
130°	39.0
132.5°	38.1
135°	38.1
137.5°	39.0
140°	39.0
142.5°	39.0
145°	39.0
147.5°	38.1
150°	39.0
152.5°	38.1
155°	38.1
157.5°	38.1
160°	38.1
162.5°	37.3
165°	36.4
167.5°	36.4
170°	35.6
172.5°	36.4
175°	37.3
177.5°	39.0
180°	39.0

(END OF REPORT)