

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: P1505349

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505349
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-96)
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 (3500K_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

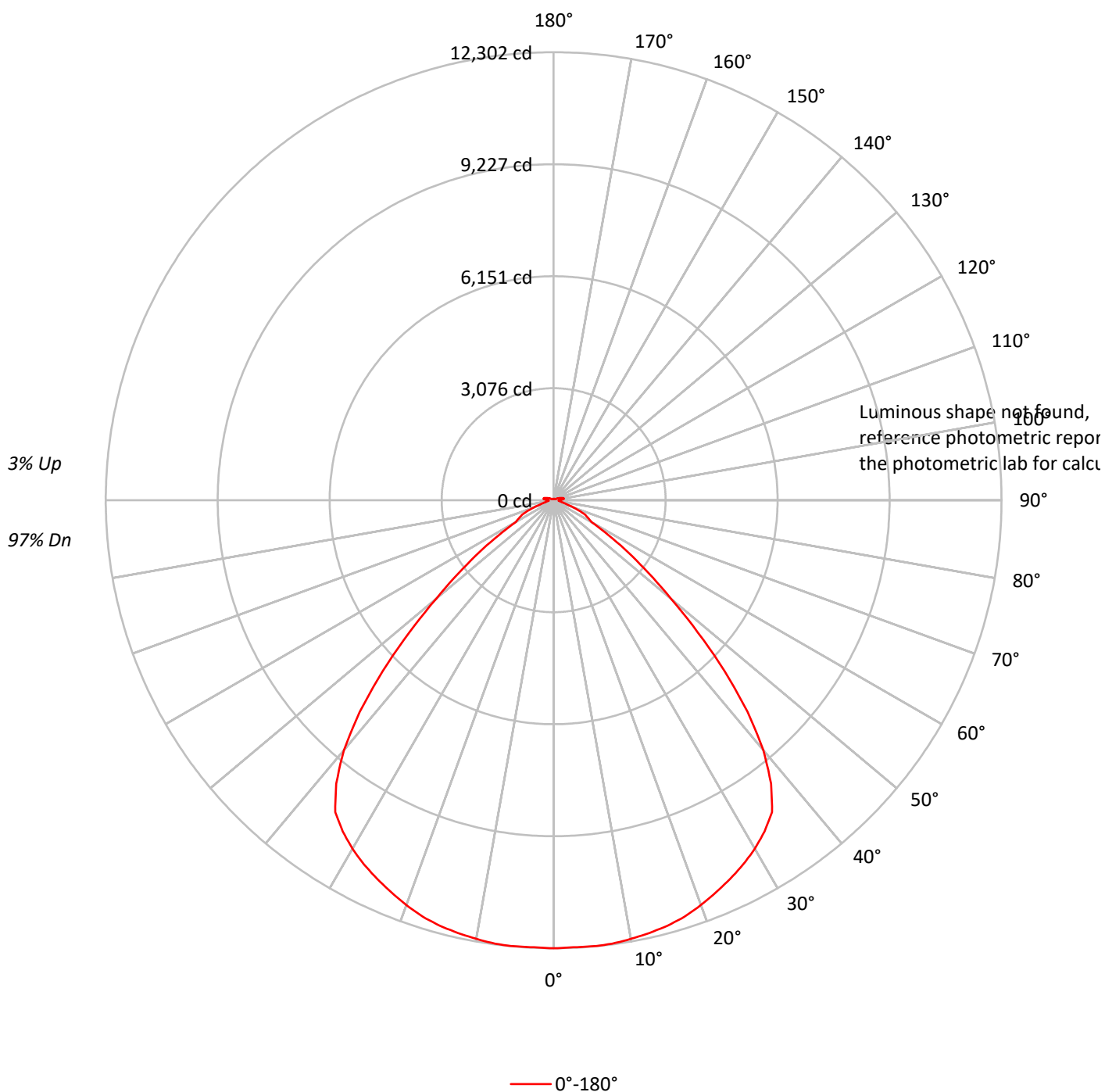
Lumens per Lamp: N/A
Luminaire Lumens: 25859.6 lumens
Efficiency: N/A
Efficacy: 164.2 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 157.5
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





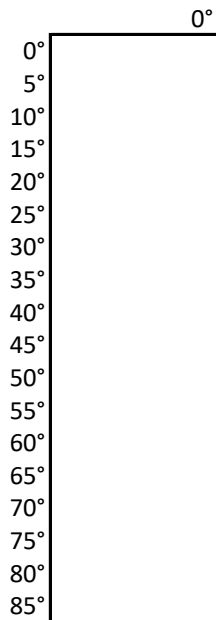
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	97	95	96	94	92	92	90	89	87		
2	103	96	91	87	100	94	89	85	91	86	83	87	84	81	84	81	79	76		
3	96	87	80	75	93	85	79	74	82	77	73	79	75	71	76	73	70	68		
4	89	79	72	66	86	77	71	65	75	69	64	72	67	63	70	65	62	60		
5	82	72	64	58	80	70	63	58	68	62	57	66	60	56	64	59	55	54		
6	77	65	58	52	75	64	57	52	62	56	51	60	55	50	59	54	50	48		
7	72	60	52	47	70	59	52	46	57	51	46	56	50	45	54	49	45	43		
8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50	45	41	39		
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	46	41	37	36		
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	33		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1171.9	4.5
10°-20°	3415.6	13.2
20°-30°	5294.1	20.5
30°-40°	6422.1	24.8
40°-50°	5075.1	19.6
50°-60°	2278.7	8.8
60°-70°	919.7	3.6
70°-80°	342.1	1.3
80°-90°	162.2	0.6
90°-100°	258.3	1.0
100°-110°	253.2	1.0
110°-120°	118.9	0.5
120°-130°	49.5	0.2
130°-140°	35.4	0.1
140°-150°	28.5	0.1
150°-160°	19.8	0.1
160°-170°	11.1	0.0
170°-180°	3.5	0.0
0°-30°	9881.6	38.2
0°-40°	16303.7	63.0
0°-60°	23657.4	91.5
0°-90°	25081.4	97.0
90°-120°	630.4	2.4
90°-150°	743.8	2.9
90°-180°	778.0	3.0
0°-180°	25859.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12302	
5°	12296	###
15°	12094	3416
25°	11473	5294
35°	10458	6422
45°	6635	5075
55°	2495	2279
65°	967	920
75°	291	342
85°	135	121
90°	161	91
95°	247	208
105°	244	253
115°	115	119
125°	52	49
135°	46	35
145°	45	29
155°	42	20
165°	39	11
175°	36	3
180°	37	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12301.6
2.5°	12289.2
5°	12295.8
7.5°	12284.2
10°	12230.2
12.5°	12168.8
15°	12094.0
17.5°	11984.4
20°	11829.1
22.5°	11653.1
25°	11472.9
27.5°	11275.2
30°	11050.2
32.5°	10779.5
35°	10458.1
37.5°	9807.1
40°	8960.1
42.5°	7881.4
45°	6634.9
47.5°	5375.2
50°	4211.8
52.5°	3276.8
55°	2495.4
57.5°	1791.2
60°	1209.1
62.5°	1069.6
65°	966.6
67.5°	789.7
70°	582.1
72.5°	401.9
75°	290.6
77.5°	225.9
80°	179.4
82.5°	149.5
85°	135.4
87.5°	139.5
90°	161.1
92.5°	203.4
95°	246.6
97.5°	275.7
100°	282.3
102.5°	269.1
105°	244.1
107.5°	212.6
110°	177.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	145.3
115°	115.4
117.5°	90.5
120°	73.1
122.5°	60.6
125°	52.3
127.5°	47.3
130°	45.7
132.5°	44.8
135°	45.7
137.5°	46.5
140°	46.5
142.5°	46.5
145°	44.8
147.5°	44.8
150°	44.0
152.5°	43.2
155°	42.4
157.5°	42.4
160°	41.5
162.5°	40.7
165°	39.0
167.5°	37.4
170°	35.7
172.5°	35.7
175°	36.5
177.5°	37.4
180°	37.4

(END OF REPORT)