

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: P1505059

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505059
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-89)
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-TRWH-PS (6500K_L24_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

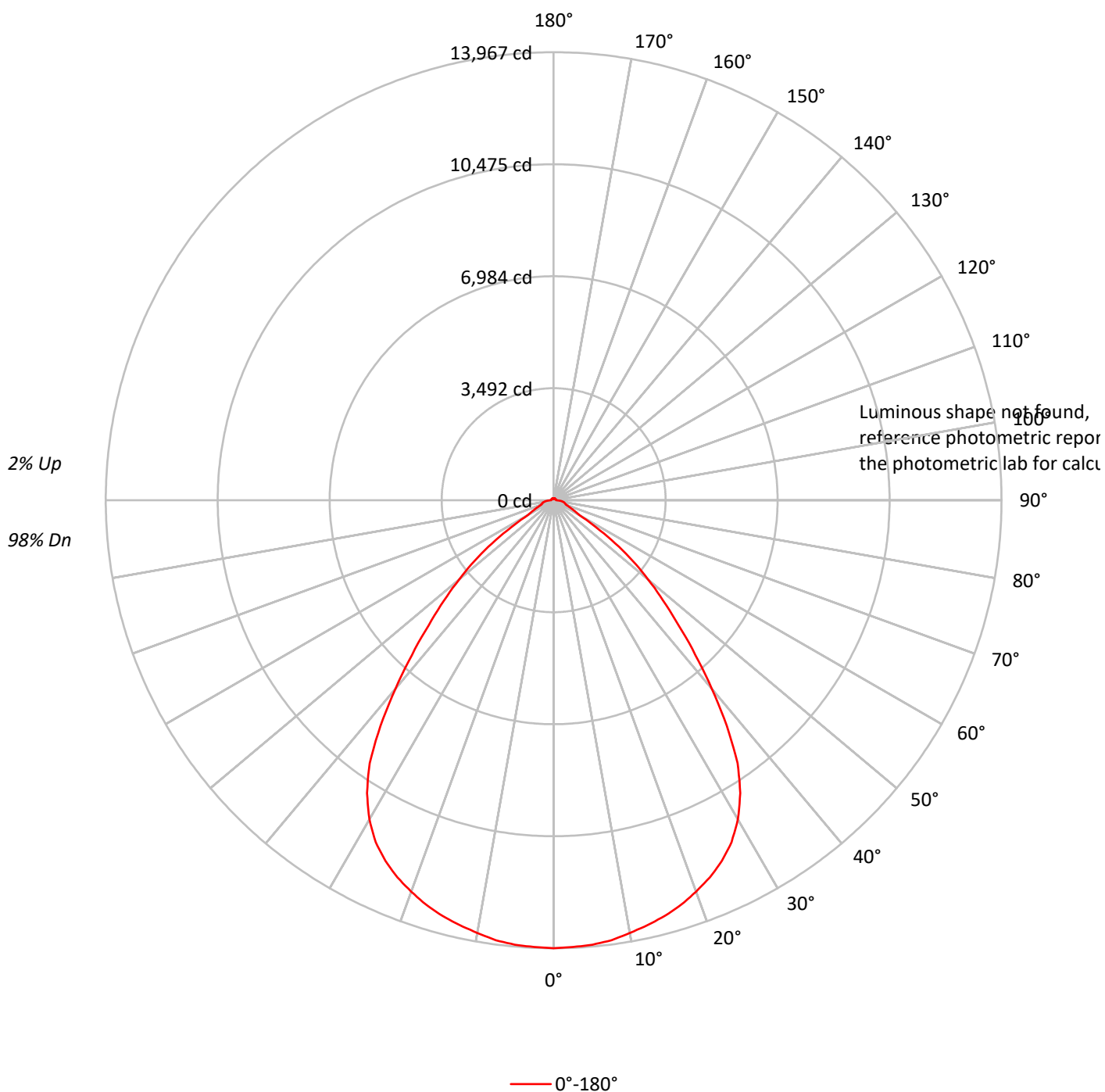
Lumens per Lamp: N/A
Luminaire Lumens: 24983.2 lumens
Efficiency: N/A
Efficacy: 156.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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





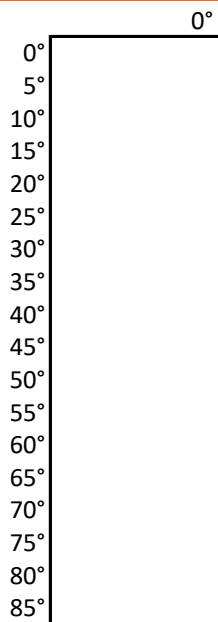
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98			
1	111	108	104	101	108	105	102	100	101	98	96	97	95	93	93	91	90	88			
2	104	97	92	88	101	95	91	87	92	88	84	88	85	82	85	83	80	78			
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	78	75	72	70			
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64	62			
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56			
6	78	67	60	54	77	66	59	54	64	58	54	63	57	53	61	56	52	51			
7	73	62	54	49	72	61	54	49	59	53	48	58	52	48	57	52	48	46			
8	69	57	50	45	67	56	49	44	55	49	44	54	48	44	52	47	44	42			
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	44	40	38			
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	40	37	35			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1321.1	5.3
10°-20°	3784.3	15.1
20°-30°	5695.2	22.8
30°-40°	6121.9	24.5
40°-50°	4306.3	17.2
50°-60°	2089.2	8.4
60°-70°	624.1	2.5
70°-80°	385.0	1.5
80°-90°	221.6	0.9
90°-100°	80.3	0.3
100°-110°	78.0	0.3
110°-120°	72.0	0.3
120°-130°	62.8	0.3
130°-140°	52.8	0.2
140°-150°	43.4	0.2
150°-160°	28.5	0.1
160°-170°	13.2	0.1
170°-180°	3.5	0.0
0°-30°	10800.6	43.2
0°-40°	16922.5	67.7
0°-60°	23318.0	93.3
0°-90°	24548.7	98.3
90°-120°	230.3	0.9
90°-150°	389.3	1.6
90°-180°	435.0	1.7
0°-180°	24983.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13967	
5°	13909	###
15°	13414	3784
25°	12410	5695
35°	10002	6122
45°	5512	4306
55°	2347	2089
65°	611	624
75°	364	385
85°	210	191
90°	76	51
95°	73	60
105°	74	78
115°	73	72
125°	70	63
135°	68	53
145°	70	43
155°	60	29
165°	46	13
175°	36	4
180°	35	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13967.0
2.5°	13941.6
5°	13909.4
7.5°	13833.1
10°	13696.7
12.5°	13564.5
15°	13413.7
17.5°	13223.0
20°	12985.7
22.5°	12726.4
25°	12410.3
27.5°	12015.4
30°	11487.5
32.5°	10831.6
35°	10002.0
37.5°	8868.1
40°	7671.6
42.5°	6543.7
45°	5511.6
47.5°	4632.8
50°	3853.2
52.5°	3121.0
55°	2347.3
57.5°	1571.1
60°	926.2
62.5°	749.1
65°	611.0
67.5°	494.9
70°	419.5
72.5°	386.4
75°	363.5
77.5°	343.2
80°	308.5
82.5°	264.4
85°	210.2
87.5°	146.6
90°	76.3
92.5°	72.9
95°	72.9
97.5°	73.7
100°	73.7
102.5°	73.7
105°	73.7
107.5°	73.7
110°	73.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	72.9
115°	72.9
117.5°	72.0
120°	71.2
122.5°	70.3
125°	70.3
127.5°	69.5
130°	68.6
132.5°	68.6
135°	67.8
137.5°	67.8
140°	67.8
142.5°	68.6
145°	69.5
147.5°	69.5
150°	69.5
152.5°	65.3
155°	60.2
157.5°	57.6
160°	53.4
162.5°	49.1
165°	45.8
167.5°	42.4
170°	39.8
172.5°	37.3
175°	35.6
177.5°	34.7
180°	34.7

(END OF REPORT)