

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: P1505032

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505032
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 (3500K_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

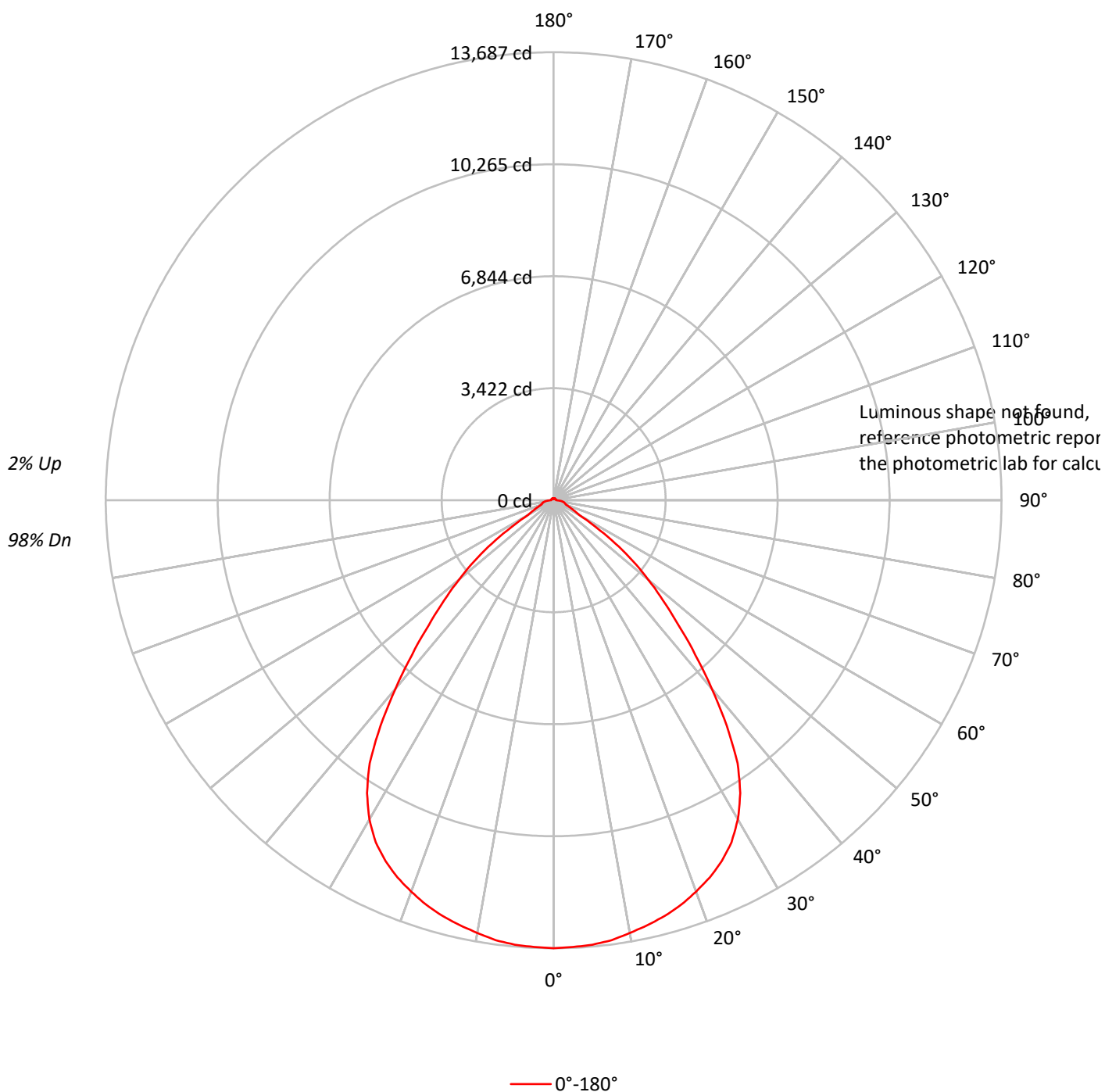
Lumens per Lamp: N/A
Luminaire Lumens: 24481.8 lumens
Efficiency: N/A
Efficacy: 155.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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





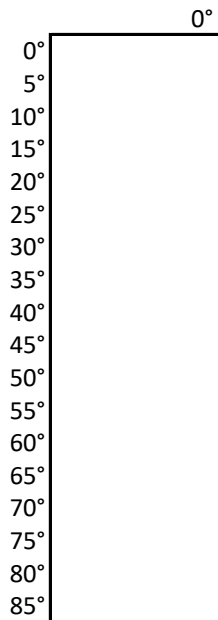
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10	50	30	10		
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°	1294.6	5.3
10°-20°	3708.3	15.1
20°-30°	5580.9	22.8
30°-40°	5999.1	24.5
40°-50°	4219.9	17.2
50°-60°	2047.3	8.4
60°-70°	611.6	2.5
70°-80°	377.3	1.5
80°-90°	217.2	0.9
90°-100°	78.7	0.3
100°-110°	76.4	0.3
110°-120°	70.6	0.3
120°-130°	61.6	0.3
130°-140°	51.7	0.2
140°-150°	42.5	0.2
150°-160°	27.9	0.1
160°-170°	13.0	0.1
170°-180°	3.5	0.0
0°-30°	10583.9	43.2
0°-40°	16583.0	67.7
0°-60°	22850.1	93.3
0°-90°	24056.1	98.3
90°-120°	225.6	0.9
90°-150°	381.4	1.6
90°-180°	426.0	1.7
0°-180°	24481.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13687	
5°	13630	###
15°	13144	3708
25°	12161	5581
35°	9801	5999
45°	5401	4220
55°	2300	2047
65°	599	612
75°	356	377
85°	206	187
90°	75	50
95°	71	59
105°	72	76
115°	71	71
125°	69	62
135°	66	52
145°	68	43
155°	59	28
165°	45	13
175°	35	3
180°	34	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13686.7
2.5°	13661.8
5°	13630.3
7.5°	13555.5
10°	13421.8
12.5°	13292.3
15°	13144.5
17.5°	12957.7
20°	12725.1
22.5°	12471.0
25°	12161.3
27.5°	11774.3
30°	11257.0
32.5°	10614.2
35°	9801.3
37.5°	8690.2
40°	7517.7
42.5°	6412.4
45°	5401.0
47.5°	4539.8
50°	3775.9
52.5°	3058.4
55°	2300.2
57.5°	1539.6
60°	907.6
62.5°	734.1
65°	598.7
67.5°	485.0
70°	411.1
72.5°	378.7
75°	356.2
77.5°	336.3
80°	302.3
82.5°	259.1
85°	205.9
87.5°	143.7
90°	74.7
92.5°	71.4
95°	71.4
97.5°	72.2
100°	72.2
102.5°	72.2
105°	72.2
107.5°	72.2
110°	72.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	71.4
115°	71.4
117.5°	70.6
120°	69.8
122.5°	68.9
125°	68.9
127.5°	68.1
130°	67.3
132.5°	67.3
135°	66.4
137.5°	66.4
140°	66.4
142.5°	67.3
145°	68.1
147.5°	68.1
150°	68.1
152.5°	63.9
155°	59.0
157.5°	56.5
160°	52.3
162.5°	48.2
165°	44.8
167.5°	41.5
170°	39.0
172.5°	36.5
175°	34.9
177.5°	34.0
180°	34.0

(END OF REPORT)