

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: P1505038

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505038
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_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

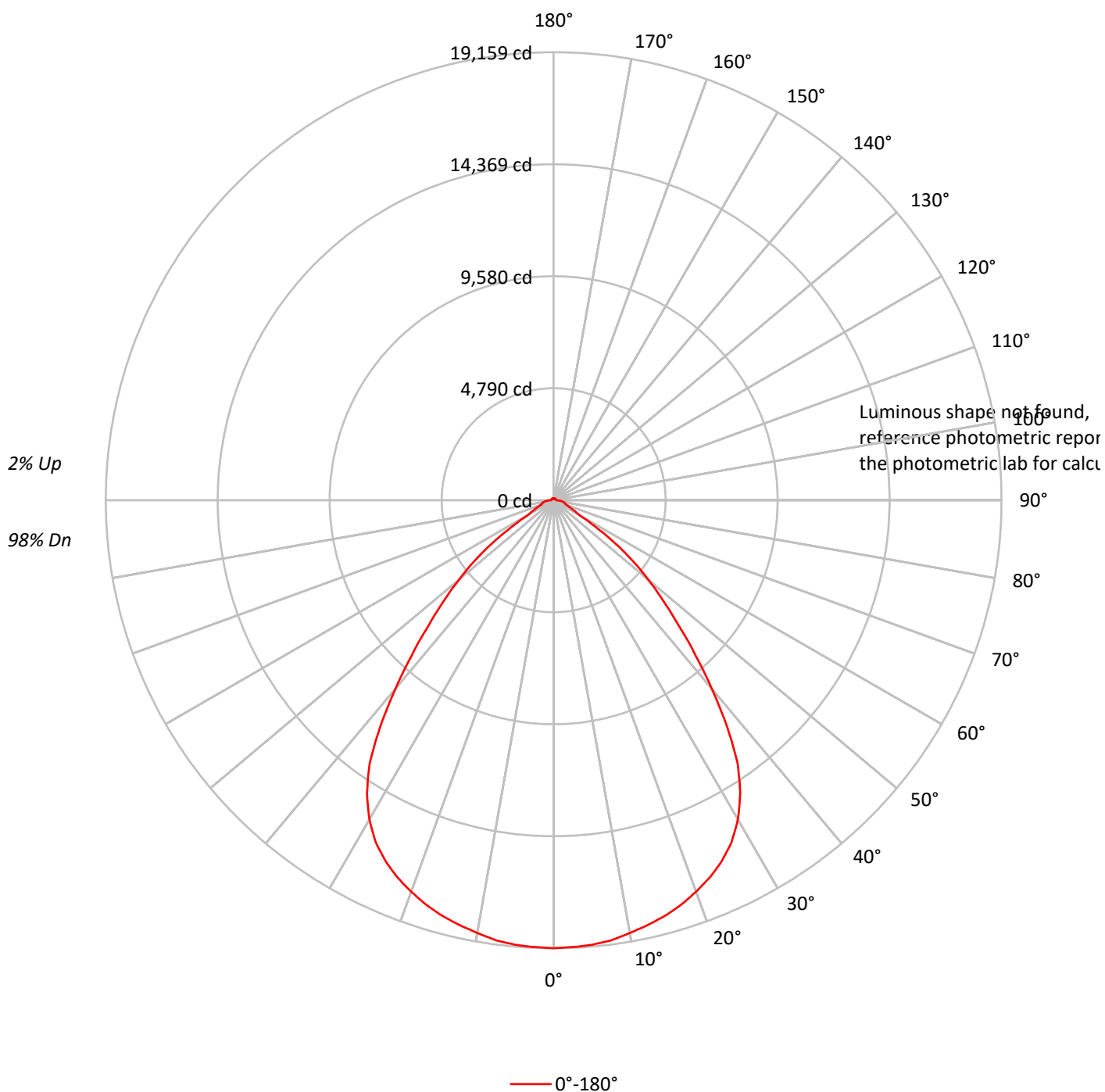
Lumens per Lamp: N/A
Luminaire Lumens: 34271.0 lumens
Efficiency: N/A
Efficacy: 145.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 235.4
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



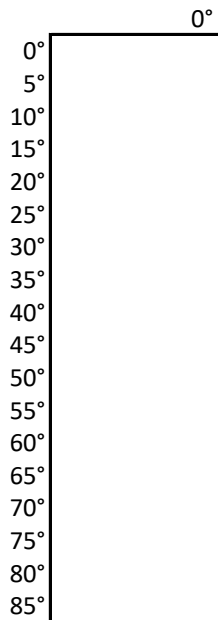
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	1812.3	5.3
10°-20°	5191.1	15.1
20°-30°	7812.5	22.8
30°-40°	8397.8	24.5
40°-50°	5907.1	17.2
50°-60°	2865.9	8.4
60°-70°	856.1	2.5
70°-80°	528.1	1.5
80°-90°	304.0	0.9
90°-100°	110.2	0.3
100°-110°	107.0	0.3
110°-120°	98.8	0.3
120°-130°	86.2	0.3
130°-140°	72.4	0.2
140°-150°	59.5	0.2
150°-160°	39.1	0.1
160°-170°	18.1	0.1
170°-180°	4.8	0.0
0°-30°	14815.9	43.2
0°-40°	23213.7	67.7
0°-60°	31986.7	93.3
0°-90°	33674.9	98.3
90°-120°	316.0	0.9
90°-150°	534.0	1.6
90°-180°	596.0	1.7
0°-180°	34271.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19159	
5°	19080	###
15°	18400	5191
25°	17024	7812
35°	13720	8398
45°	7560	5907
55°	3220	2866
65°	838	856
75°	499	528
85°	288	262
90°	105	70
95°	100	82
105°	101	107
115°	100	99
125°	96	86
135°	93	72
145°	95	59
155°	82	39
165°	63	18
175°	49	5
180°	48	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19159.4
2.5°	19124.5
5°	19080.4
7.5°	18975.7
10°	18788.6
12.5°	18607.3
15°	18400.3
17.5°	18138.8
20°	17813.3
22.5°	17457.6
25°	17024.0
27.5°	16482.3
30°	15758.1
32.5°	14858.4
35°	13720.3
37.5°	12165.0
40°	10523.6
42.5°	8976.4
45°	7560.5
47.5°	6355.1
50°	5285.6
52.5°	4281.3
55°	3220.0
57.5°	2155.2
60°	1270.6
62.5°	1027.6
65°	838.1
67.5°	678.9
70°	575.4
72.5°	530.1
75°	498.7
77.5°	470.8
80°	423.1
82.5°	362.7
85°	288.3
87.5°	201.1
90°	104.6
92.5°	100.0
95°	100.0
97.5°	101.1
100°	101.1
102.5°	101.1
105°	101.1
107.5°	101.1
110°	101.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	100.0
115°	100.0
117.5°	98.8
120°	97.6
122.5°	96.5
125°	96.5
127.5°	95.3
130°	94.2
132.5°	94.2
135°	93.0
137.5°	93.0
140°	93.0
142.5°	94.2
145°	95.3
147.5°	95.3
150°	95.3
152.5°	89.5
155°	82.5
157.5°	79.0
160°	73.2
162.5°	67.4
165°	62.8
167.5°	58.1
170°	54.6
172.5°	51.1
175°	48.8
177.5°	47.7
180°	47.7

(END OF REPORT)