

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: P1505389

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505389
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-101)
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-TRWH-PS (3000K_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

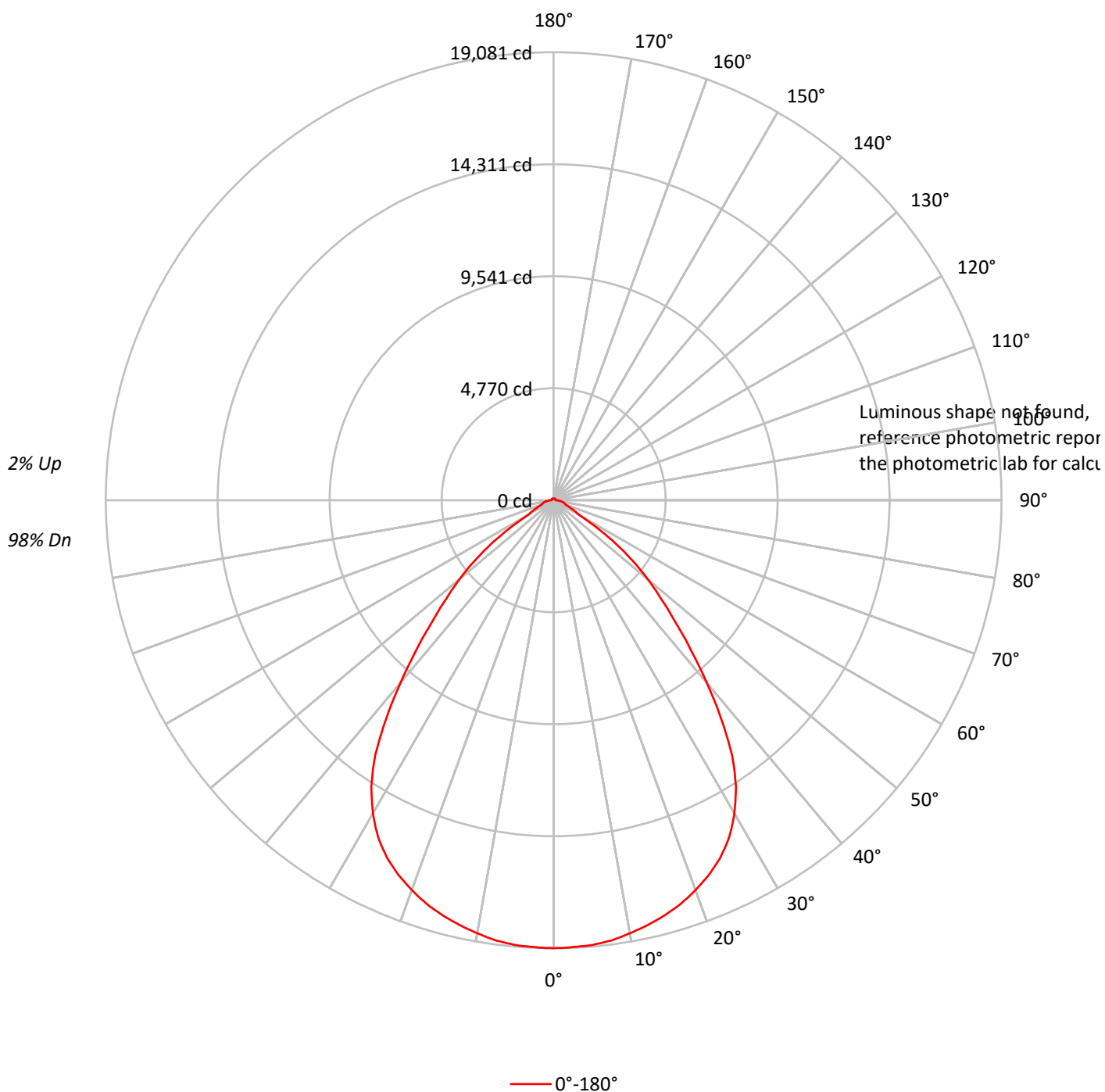
Lumens per Lamp: N/A
Luminaire Lumens: 33520.4 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 237.6
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	101	101	101						98		
1	111	108	104	102	109	105	102	100	101	99	96	97	95	93	93	92	90						88		
2	104	97	92	88	101	96	91	87	92	88	85	89	85	83	86	83	81						79		
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72						70		
4	90	81	73	68	88	79	73	68	77	71	67	74	69	66	72	68	65						63		
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	62	58						56		
6	79	67	60	55	77	66	59	54	65	58	54	63	57	53	61	57	53						51		
7	73	62	55	49	72	61	54	49	60	53	49	58	53	48	57	52	48						46		
8	69	57	50	45	67	57	50	45	55	49	44	54	48	44	53	48	44						42		
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40						39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	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°	1805.8	5.4
10°-20°	5161.9	15.4
20°-30°	7699.7	23.0
30°-40°	8134.7	24.3
40°-50°	5736.6	17.1
50°-60°	2879.8	8.6
60°-70°	844.2	2.5
70°-80°	488.0	1.5
80°-90°	254.8	0.8
90°-100°	88.2	0.3
100°-110°	88.8	0.3
110°-120°	84.1	0.3
120°-130°	74.7	0.2
130°-140°	64.1	0.2
140°-150°	53.0	0.2
150°-160°	36.9	0.1
160°-170°	19.3	0.1
170°-180°	5.8	0.0
0°-30°	14667.5	43.8
0°-40°	22802.2	68.0
0°-60°	31418.6	93.7
0°-90°	33005.5	98.5
90°-120°	261.1	0.8
90°-150°	452.9	1.4
90°-180°	515.0	1.5
0°-180°	33520.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19081	
5°	19011	###
15°	18303	5162
25°	16794	7700
35°	13258	8135
45°	7334	5737
55°	3264	2880
65°	825	844
75°	463	488
85°	238	222
90°	81	55
95°	81	66
105°	84	89
115°	85	84
125°	83	75
135°	83	64
145°	84	53
155°	78	37
165°	67	19
175°	60	6
180°	61	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19081.3
2.5°	19050.7
5°	19011.0
7.5°	18907.7
10°	18729.6
12.5°	18527.7
15°	18303.0
17.5°	18021.7
20°	17668.8
22.5°	17275.2
25°	16794.1
27.5°	16195.1
30°	15402.1
32.5°	14459.3
35°	13257.9
37.5°	11718.3
40°	10152.7
42.5°	8657.4
45°	7333.5
47.5°	6211.4
50°	5238.0
52.5°	4268.0
55°	3264.0
57.5°	2200.9
60°	1283.1
62.5°	1023.3
65°	824.8
67.5°	658.0
70°	545.7
72.5°	498.0
75°	462.9
77.5°	426.6
80°	374.4
82.5°	309.7
85°	238.2
87.5°	160.0
90°	80.6
92.5°	79.4
95°	80.6
97.5°	81.7
100°	82.8
102.5°	84.0
105°	84.0
107.5°	84.0
110°	85.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	85.1
115°	85.1
117.5°	84.0
120°	84.0
122.5°	84.0
125°	82.8
127.5°	82.8
130°	82.8
132.5°	82.8
135°	82.8
137.5°	82.8
140°	82.8
142.5°	84.0
145°	84.0
147.5°	85.1
150°	86.2
152.5°	82.8
155°	78.3
157.5°	76.0
160°	73.7
162.5°	70.3
165°	66.9
167.5°	64.7
170°	62.4
172.5°	60.1
175°	60.1
177.5°	61.3
180°	61.3

(END OF REPORT)