

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: P1505578

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (3500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505578
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-125)
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-06-TRWH-PS (3500K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

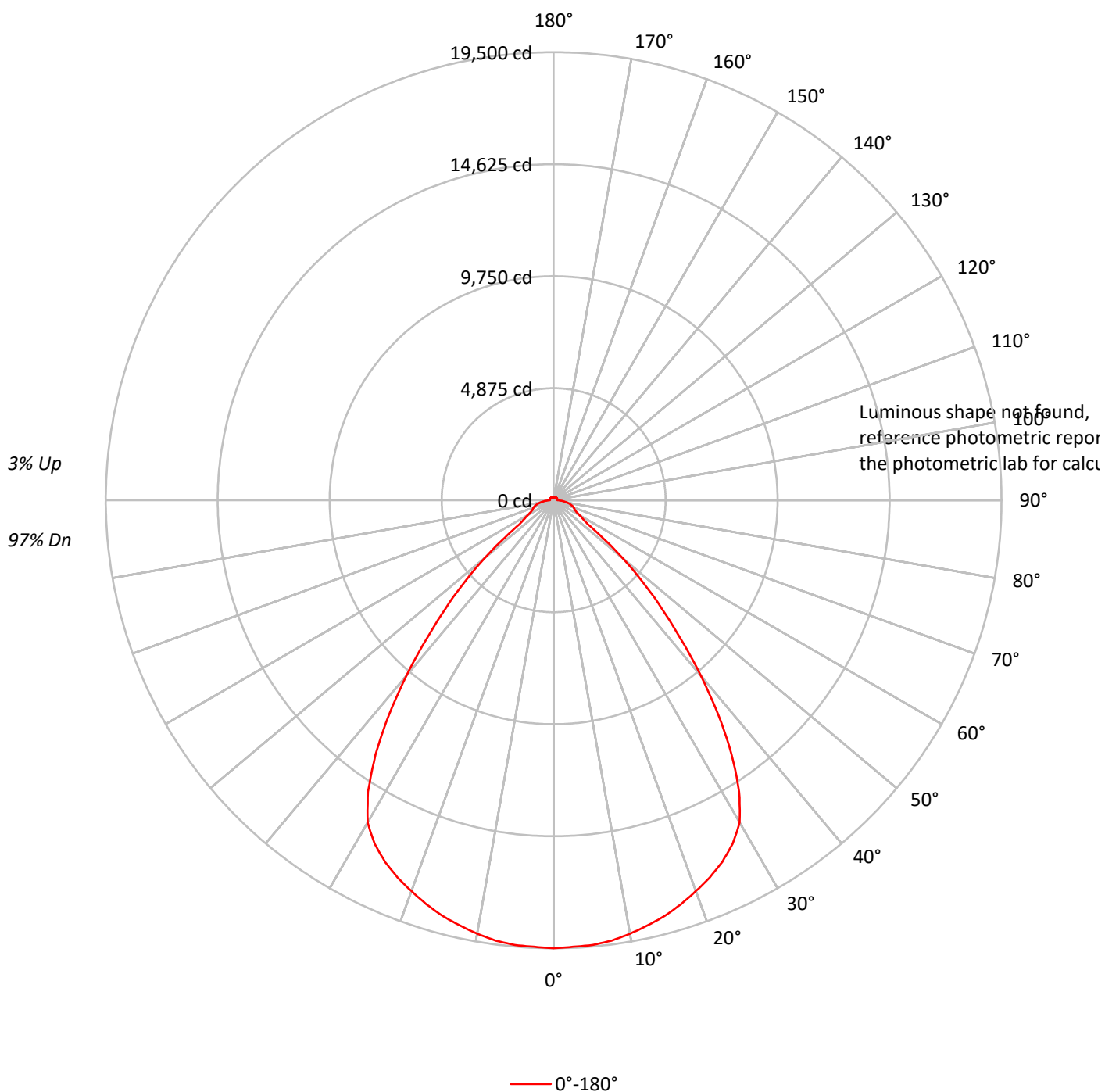
Lumens per Lamp: N/A
Luminaire Lumens: 33760.0 lumens
Efficiency: N/A
Efficacy: 143.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.16
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

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



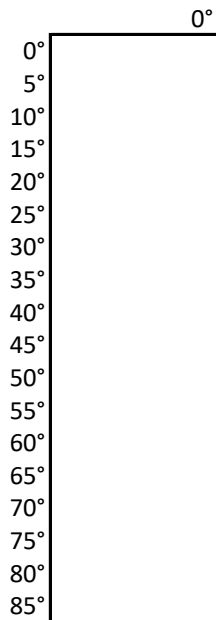
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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	104	102	99	100	97	95	96	94	92	92	90	89	87		
2	103	97	92	87	101	95	90	86	91	87	84	87	84	81	84	81	79	77		
3	96	88	82	76	94	86	80	76	83	78	74	80	76	72	77	74	71	69		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62		
5	84	73	66	61	82	72	65	60	70	64	59	68	63	59	66	61	58	56		
6	79	67	60	55	77	66	59	54	64	58	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	61	54	49	60	53	49	58	53	48	57	52	48	46		
8	69	58	50	45	68	57	50	45	55	49	45	54	48	44	53	48	44	42		
9	65	53	46	42	64	53	46	41	51	45	41	50	45	41	49	44	40	39		
10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1846.2	5.5
10°-20°	5281.5	15.6
20°-30°	7976.3	23.6
30°-40°	8310.2	24.6
40°-50°	5169.2	15.3
50°-60°	1907.7	5.7
60°-70°	1051.3	3.1
70°-80°	827.1	2.5
80°-90°	410.0	1.2
90°-100°	175.0	0.5
100°-110°	174.4	0.5
110°-120°	164.4	0.5
120°-130°	145.0	0.4
130°-140°	120.8	0.4
140°-150°	94.9	0.3
150°-160°	64.0	0.2
160°-170°	32.4	0.1
170°-180°	9.2	0.0
0°-30°	15104.0	44.7
0°-40°	23414.3	69.4
0°-60°	30491.2	90.3
0°-90°	32779.7	97.1
90°-120°	513.9	1.5
90°-150°	874.6	2.6
90°-180°	980.0	2.9
0°-180°	33760.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19500	
5°	19433	###
15°	18726	5281
25°	17366	7976
35°	13516	8310
45°	6649	5169
55°	1803	1908
65°	1028	1051
75°	793	827
85°	373	352
90°	165	102
95°	159	131
105°	165	174
115°	166	164
125°	162	145
135°	156	121
145°	151	95
155°	138	64
165°	113	32
175°	95	9
180°	95	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19500.0
2.5°	19454.7
5°	19432.6
7.5°	19334.9
10°	19158.2
12.5°	18951.3
15°	18725.8
17.5°	18432.9
20°	18102.7
22.5°	17769.1
25°	17365.8
27.5°	16862.4
30°	16199.8
32.5°	15035.1
35°	13515.7
37.5°	11777.9
40°	9961.0
42.5°	8192.9
45°	6649.2
47.5°	5240.3
50°	3925.6
52.5°	2673.6
55°	1803.0
57.5°	1512.3
60°	1300.8
62.5°	1127.6
65°	1027.6
67.5°	975.3
70°	928.8
72.5°	870.7
75°	792.8
77.5°	703.3
80°	602.1
82.5°	489.4
85°	373.1
87.5°	259.2
90°	165.1
92.5°	156.9
95°	159.3
97.5°	161.6
100°	162.7
102.5°	163.9
105°	165.1
107.5°	166.2
110°	166.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	166.2
115°	166.2
117.5°	165.1
120°	163.9
122.5°	162.7
125°	161.6
127.5°	160.4
130°	159.3
132.5°	156.9
135°	155.8
137.5°	154.6
140°	153.4
142.5°	152.3
145°	151.1
147.5°	150.0
150°	147.6
152.5°	143.0
155°	138.3
157.5°	132.5
160°	126.7
162.5°	119.7
165°	112.8
167.5°	105.8
170°	100.0
172.5°	96.5
175°	95.3
177.5°	95.3
180°	95.3

(END OF REPORT)