

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: P1505580

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (3500K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505580
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-126)
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_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

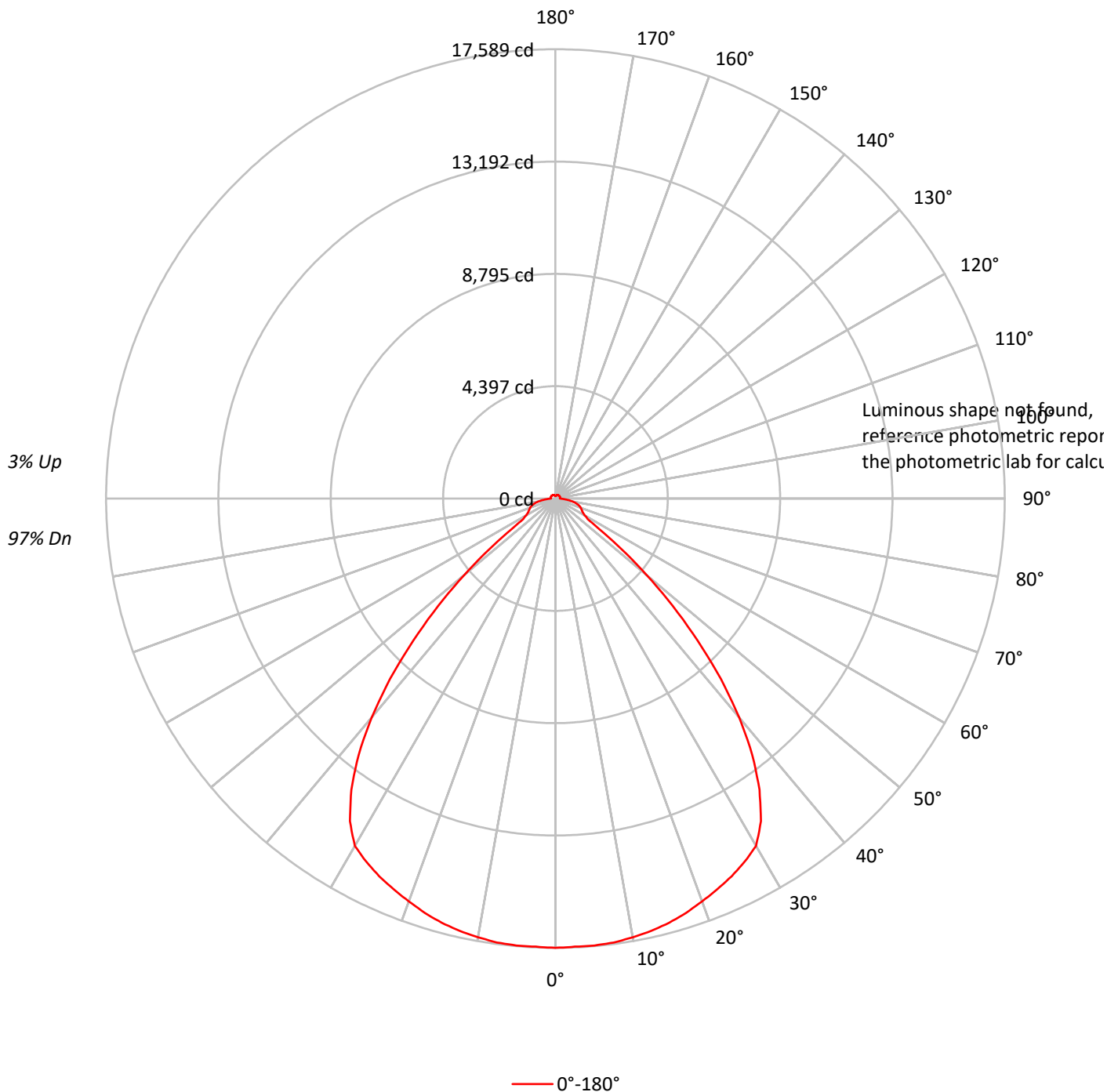
Lumens per Lamp: N/A
Luminaire Lumens: 34502.7 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

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





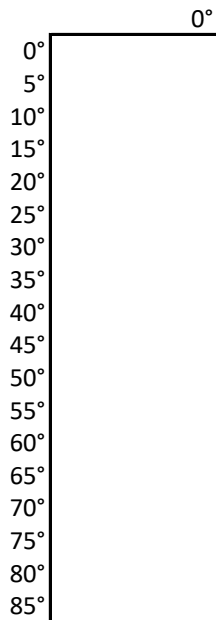
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	110	107	103	100	107	104	101	98	99	97	95	95	93	91	91	89	88	86		
2	103	96	91	86	100	94	89	85	90	86	82	86	83	80	83	80	78	76		
3	95	87	80	75	93	85	79	74	82	77	73	79	75	71	76	72	69	67		
4	89	79	72	66	86	77	71	66	75	69	64	72	67	63	70	66	62	60		
5	83	72	64	59	81	71	64	58	68	62	58	66	61	57	64	60	56	54		
6	77	66	58	53	75	65	58	52	63	57	52	61	55	51	59	54	51	49		
7	72	61	53	48	70	60	52	47	58	52	47	56	51	46	55	50	46	44		
8	68	56	48	43	66	55	48	43	54	47	43	52	46	42	51	46	42	40		
9	64	52	44	39	62	51	44	39	50	43	39	48	43	39	47	42	38	37		
10	60	48	41	36	58	47	41	36	46	40	36	45	39	36	44	39	35	34		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1672.7	4.8
10°-20°	4855.2	14.1
20°-30°	7524.1	21.8
30°-40°	8581.9	24.9
40°-50°	6045.9	17.5
50°-60°	2178.0	6.3
60°-70°	1155.1	3.3
70°-80°	943.8	2.7
80°-90°	453.9	1.3
90°-100°	195.9	0.6
100°-110°	195.4	0.6
110°-120°	184.1	0.5
120°-130°	162.4	0.5
130°-140°	134.8	0.4
140°-150°	104.7	0.3
150°-160°	70.2	0.2
160°-170°	35.0	0.1
170°-180°	9.8	0.0
0°-30°	14052.0	40.7
0°-40°	22634.0	65.6
0°-60°	30857.9	89.4
0°-90°	33410.6	96.8
90°-120°	575.3	1.7
90°-150°	977.2	2.8
90°-180°	1092.0	3.2
0°-180°	34502.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17589	
5°	17563	###
15°	17195	4855
25°	16317	7524
35°	13921	8582
45°	7863	6046
55°	2077	2178
65°	1151	1155
75°	909	944
85°	409	390
90°	182	113
95°	179	147
105°	185	195
115°	186	184
125°	181	162
135°	174	135
145°	166	105
155°	151	70
165°	121	35
175°	101	10
180°	101	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17588.9
2.5°	17559.9
5°	17563.4
7.5°	17528.5
10°	17437.8
12.5°	17334.4
15°	17194.9
17.5°	17006.6
20°	16781.0
22.5°	16554.4
25°	16317.2
27.5°	16033.6
30°	15702.3
32.5°	14971.1
35°	13921.4
37.5°	12660.2
40°	11190.9
42.5°	9582.0
45°	7862.8
47.5°	6222.6
50°	4649.8
52.5°	3274.6
55°	2077.3
57.5°	1499.6
60°	1331.0
62.5°	1215.9
65°	1150.8
67.5°	1102.0
70°	1054.3
72.5°	992.7
75°	909.0
77.5°	805.6
80°	678.9
82.5°	542.9
85°	409.2
87.5°	283.6
90°	182.5
92.5°	175.5
95°	179.0
97.5°	181.3
100°	182.5
102.5°	183.7
105°	184.8
107.5°	186.0
110°	186.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	186.0
115°	186.0
117.5°	184.8
120°	183.7
122.5°	182.5
125°	181.3
127.5°	179.0
130°	177.9
132.5°	175.5
135°	174.4
137.5°	172.0
140°	169.7
142.5°	168.6
145°	166.2
147.5°	165.1
150°	162.7
152.5°	158.1
155°	151.1
157.5°	144.1
160°	137.2
162.5°	130.2
165°	120.9
167.5°	113.9
170°	106.9
172.5°	102.3
175°	101.1
177.5°	101.1
180°	101.1

(END OF REPORT)