

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: P1505593

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (5000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505593
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 (5000K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

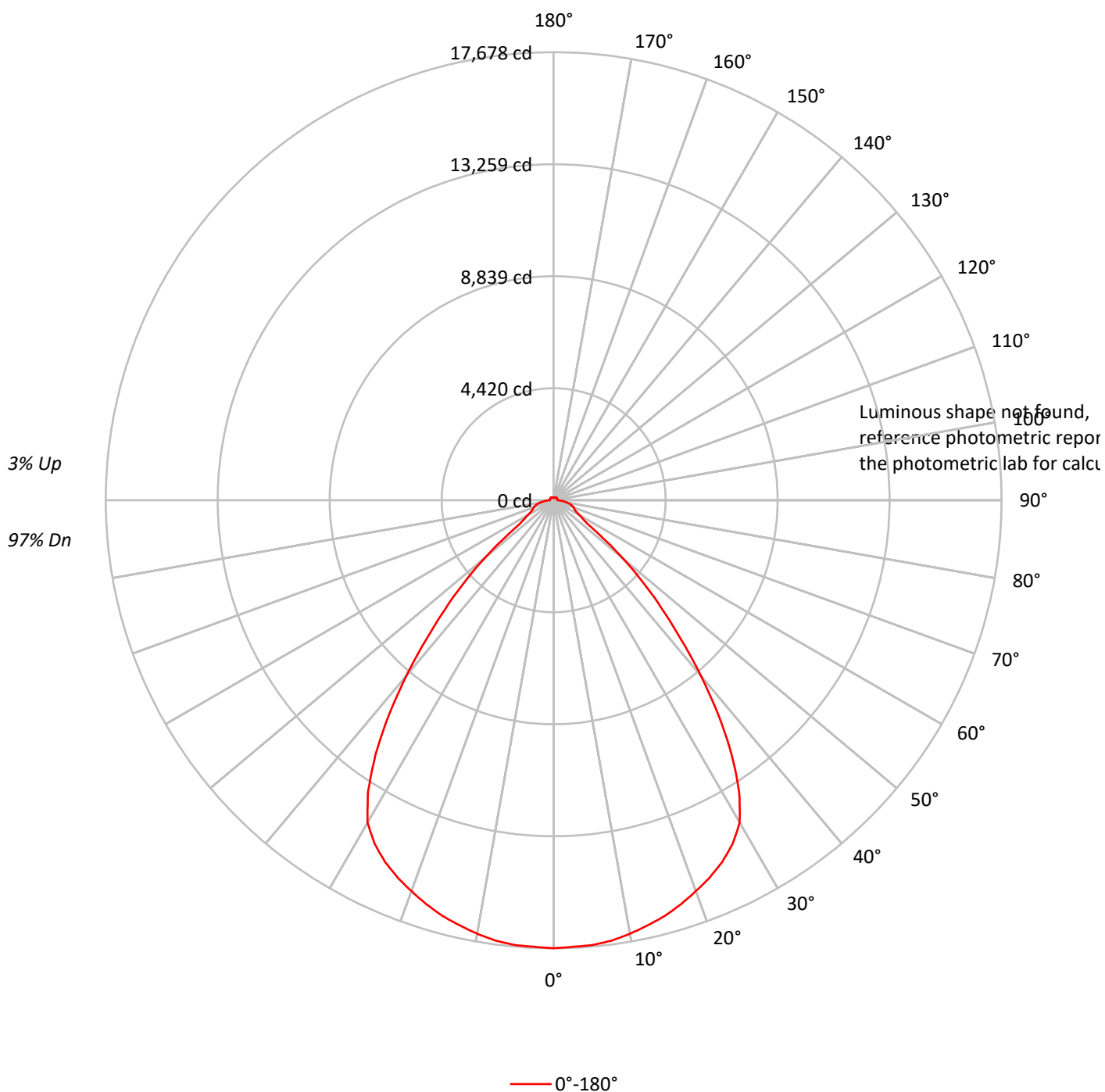
Lumens per Lamp: N/A
Luminaire Lumens: 30605.6 lumens
Efficiency: N/A
Efficacy: 156.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.16
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 195.5
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	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°	1673.7	5.5
10°-20°	4788.0	15.6
20°-30°	7231.1	23.6
30°-40°	7533.8	24.6
40°-50°	4686.2	15.3
50°-60°	1729.5	5.7
60°-70°	953.1	3.1
70°-80°	749.8	2.5
80°-90°	371.7	1.2
90°-100°	158.7	0.5
100°-110°	158.1	0.5
110°-120°	149.1	0.5
120°-130°	131.4	0.4
130°-140°	109.5	0.4
140°-150°	86.0	0.3
150°-160°	58.1	0.2
160°-170°	29.4	0.1
170°-180°	8.4	0.0
0°-30°	13692.8	44.7
0°-40°	21226.6	69.4
0°-60°	27642.3	90.3
0°-90°	29716.9	97.1
90°-120°	465.9	1.5
90°-150°	792.9	2.6
90°-180°	889.0	2.9
0°-180°	30605.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17678	
5°	17617	###
15°	16976	4788
25°	15743	7231
35°	12253	7534
45°	6028	4686
55°	1634	1729
65°	932	953
75°	719	750
85°	338	319
90°	150	93
95°	144	119
105°	150	158
115°	151	149
125°	146	131
135°	141	110
145°	137	86
155°	125	58
165°	102	29
175°	86	8
180°	86	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17678.0
2.5°	17636.9
5°	17616.9
7.5°	17528.4
10°	17368.2
12.5°	17180.6
15°	16976.2
17.5°	16710.6
20°	16411.3
22.5°	16108.9
25°	15743.2
27.5°	15286.9
30°	14686.2
32.5°	13630.2
35°	12252.9
37.5°	10677.4
40°	9030.3
42.5°	7427.4
45°	6027.9
47.5°	4750.7
50°	3558.8
52.5°	2423.8
55°	1634.5
57.5°	1371.0
60°	1179.2
62.5°	1022.2
65°	931.6
67.5°	884.2
70°	842.0
72.5°	789.3
75°	718.7
77.5°	637.6
80°	545.9
82.5°	443.7
85°	338.3
87.5°	235.0
90°	149.6
92.5°	142.3
95°	144.4
97.5°	146.5
100°	147.5
102.5°	148.6
105°	149.6
107.5°	150.7
110°	150.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	150.7
115°	150.7
117.5°	149.6
120°	148.6
122.5°	147.5
125°	146.5
127.5°	145.4
130°	144.4
132.5°	142.3
135°	141.2
137.5°	140.2
140°	139.1
142.5°	138.1
145°	137.0
147.5°	135.9
150°	133.8
152.5°	129.6
155°	125.4
157.5°	120.1
160°	114.9
162.5°	108.5
165°	102.2
167.5°	95.9
170°	90.6
172.5°	87.5
175°	86.4
177.5°	86.4
180°	86.4

(END OF REPORT)