

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: P1505602

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (6500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505602
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 (6500K_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

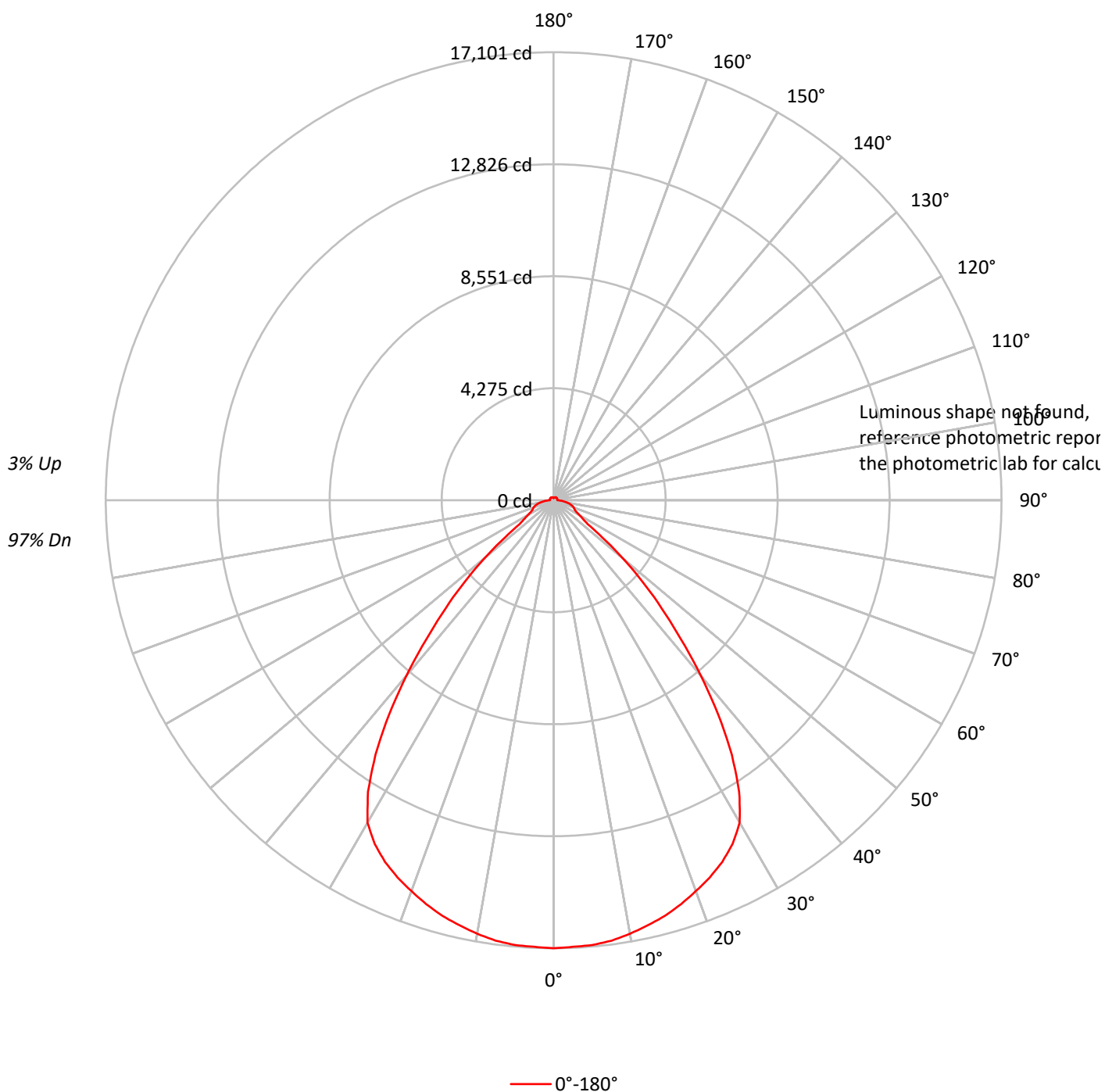
Lumens per Lamp: N/A
Luminaire Lumens: 29607.0 lumens
Efficiency: N/A
Efficacy: 148.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.16
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 200.1
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°	1619.1	5.5
10°-20°	4631.8	15.6
20°-30°	6995.1	23.6
30°-40°	7287.9	24.6
40°-50°	4533.3	15.3
50°-60°	1673.1	5.7
60°-70°	922.0	3.1
70°-80°	725.4	2.5
80°-90°	359.6	1.2
90°-100°	153.5	0.5
100°-110°	153.0	0.5
110°-120°	144.2	0.5
120°-130°	127.2	0.4
130°-140°	105.9	0.4
140°-150°	83.2	0.3
150°-160°	56.2	0.2
160°-170°	28.4	0.1
170°-180°	8.1	0.0
0°-30°	13246.0	44.7
0°-40°	20533.9	69.4
0°-60°	26740.3	90.3
0°-90°	28747.3	97.1
90°-120°	450.7	1.5
90°-150°	767.1	2.6
90°-180°	860.0	2.9
0°-180°	29607.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17101	
5°	17042	###
15°	16422	4632
25°	15230	6995
35°	11853	7288
45°	5831	4533
55°	1581	1673
65°	901	922
75°	695	725
85°	327	309
90°	145	90
95°	140	115
105°	145	153
115°	146	144
125°	142	127
135°	137	106
145°	132	83
155°	121	56
165°	99	28
175°	84	8
180°	84	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17101.2
2.5°	17061.4
5°	17042.1
7.5°	16956.4
10°	16801.5
12.5°	16620.0
15°	16422.2
17.5°	16165.3
20°	15875.8
22.5°	15583.2
25°	15229.5
27.5°	14788.1
30°	14207.0
32.5°	13185.5
35°	11853.1
37.5°	10329.0
40°	8735.6
42.5°	7185.0
45°	5831.2
47.5°	4595.7
50°	3442.7
52.5°	2344.7
55°	1581.2
57.5°	1326.3
60°	1140.8
62.5°	988.9
65°	901.2
67.5°	855.3
70°	814.5
72.5°	763.6
75°	695.3
77.5°	616.8
80°	528.1
82.5°	429.2
85°	327.2
87.5°	227.3
90°	144.8
92.5°	137.6
95°	139.7
97.5°	141.7
100°	142.7
102.5°	143.7
105°	144.8
107.5°	145.8
110°	145.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	145.8
115°	145.8
117.5°	144.8
120°	143.7
122.5°	142.7
125°	141.7
127.5°	140.7
130°	139.7
132.5°	137.6
135°	136.6
137.5°	135.6
140°	134.6
142.5°	133.5
145°	132.5
147.5°	131.5
150°	129.5
152.5°	125.4
155°	121.3
157.5°	116.2
160°	111.1
162.5°	105.0
165°	98.9
167.5°	92.8
170°	87.7
172.5°	84.6
175°	83.6
177.5°	83.6
180°	83.6

(END OF REPORT)