

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: P1505584

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (4000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505584
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 (4000K_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

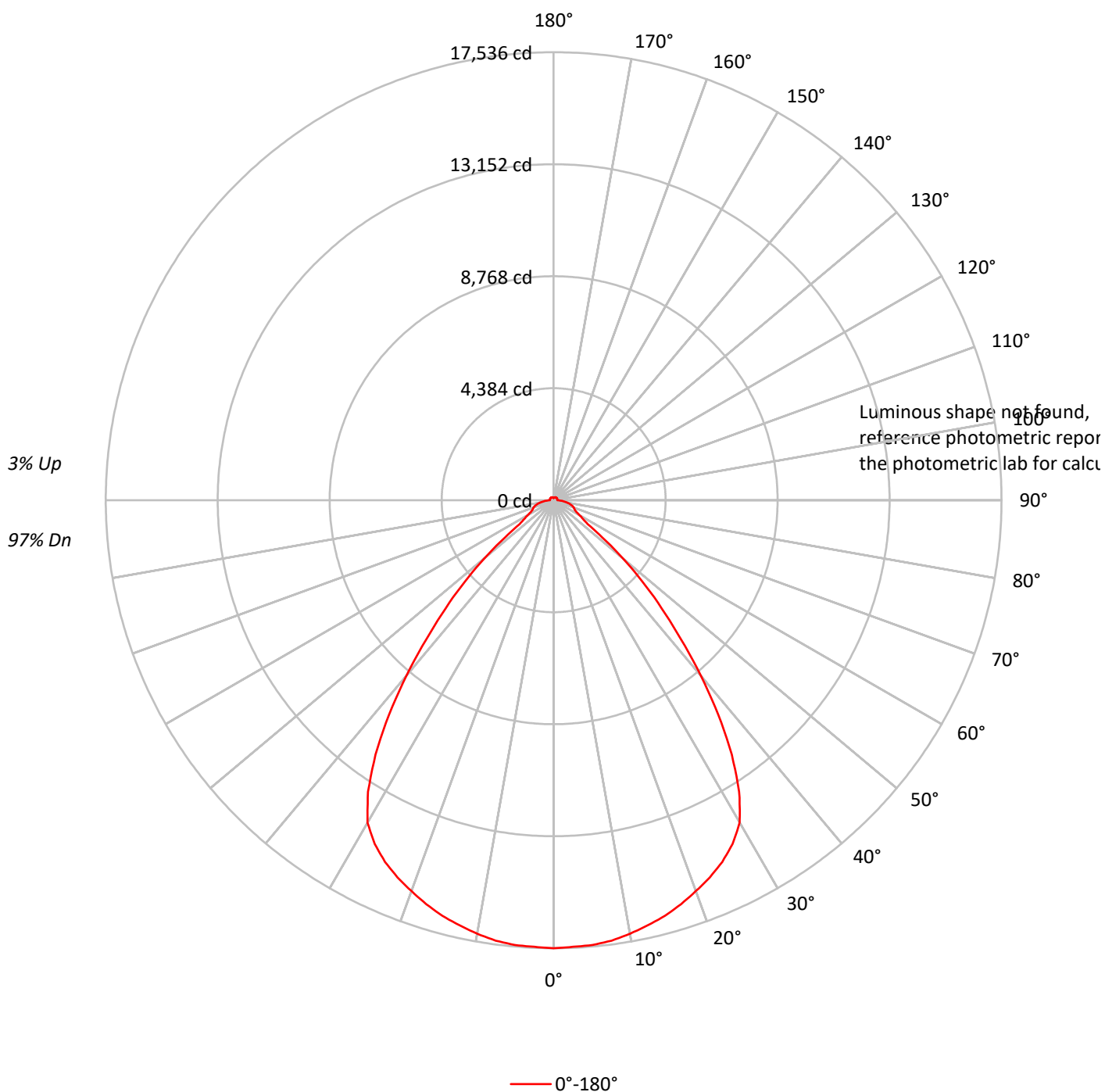
Lumens per Lamp: N/A
Luminaire Lumens: 30360.1 lumens
Efficiency: N/A
Efficacy: 156.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.16
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 194.3
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





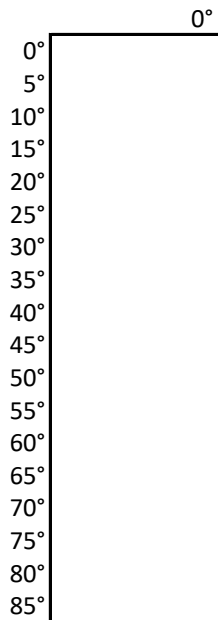
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	1660.3	5.5
10°-20°	4749.6	15.6
20°-30°	7173.1	23.6
30°-40°	7473.3	24.6
40°-50°	4648.6	15.3
50°-60°	1715.6	5.7
60°-70°	945.4	3.1
70°-80°	743.8	2.5
80°-90°	368.7	1.2
90°-100°	157.4	0.5
100°-110°	156.9	0.5
110°-120°	147.9	0.5
120°-130°	130.4	0.4
130°-140°	108.6	0.4
140°-150°	85.4	0.3
150°-160°	57.6	0.2
160°-170°	29.1	0.1
170°-180°	8.3	0.0
0°-30°	13583.0	44.7
0°-40°	21056.3	69.4
0°-60°	27420.6	90.3
0°-90°	29478.6	97.1
90°-120°	462.1	1.5
90°-150°	786.5	2.6
90°-180°	882.0	2.9
0°-180°	30360.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17536	
5°	17476	###
15°	16840	4750
25°	15617	7173
35°	12155	7473
45°	5980	4649
55°	1621	1716
65°	924	945
75°	713	744
85°	336	316
90°	148	92
95°	143	118
105°	148	157
115°	150	148
125°	145	130
135°	140	109
145°	136	85
155°	124	58
165°	101	29
175°	86	8
180°	86	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17536.2
2.5°	17495.5
5°	17475.6
7.5°	17387.8
10°	17228.9
12.5°	17042.8
15°	16840.0
17.5°	16576.6
20°	16279.7
22.5°	15979.7
25°	15616.9
27.5°	15164.3
30°	14568.4
32.5°	13520.9
35°	12154.6
37.5°	10591.8
40°	8957.9
42.5°	7367.8
45°	5979.6
47.5°	4712.6
50°	3530.2
52.5°	2404.4
55°	1621.4
57.5°	1360.0
60°	1169.8
62.5°	1014.0
65°	924.1
67.5°	877.1
70°	835.3
72.5°	783.0
75°	712.9
77.5°	632.5
80°	541.5
82.5°	440.1
85°	335.6
87.5°	233.1
90°	148.4
92.5°	141.1
95°	143.2
97.5°	145.3
100°	146.4
102.5°	147.4
105°	148.4
107.5°	149.5
110°	149.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	149.5
115°	149.5
117.5°	148.4
120°	147.4
122.5°	146.4
125°	145.3
127.5°	144.3
130°	143.2
132.5°	141.1
135°	140.1
137.5°	139.0
140°	138.0
142.5°	136.9
145°	135.9
147.5°	134.9
150°	132.8
152.5°	128.6
155°	124.4
157.5°	119.2
160°	113.9
162.5°	107.7
165°	101.4
167.5°	95.1
170°	89.9
172.5°	86.8
175°	85.7
177.5°	85.7
180°	85.7

(END OF REPORT)