

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: P1505605

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (6500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505605
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_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

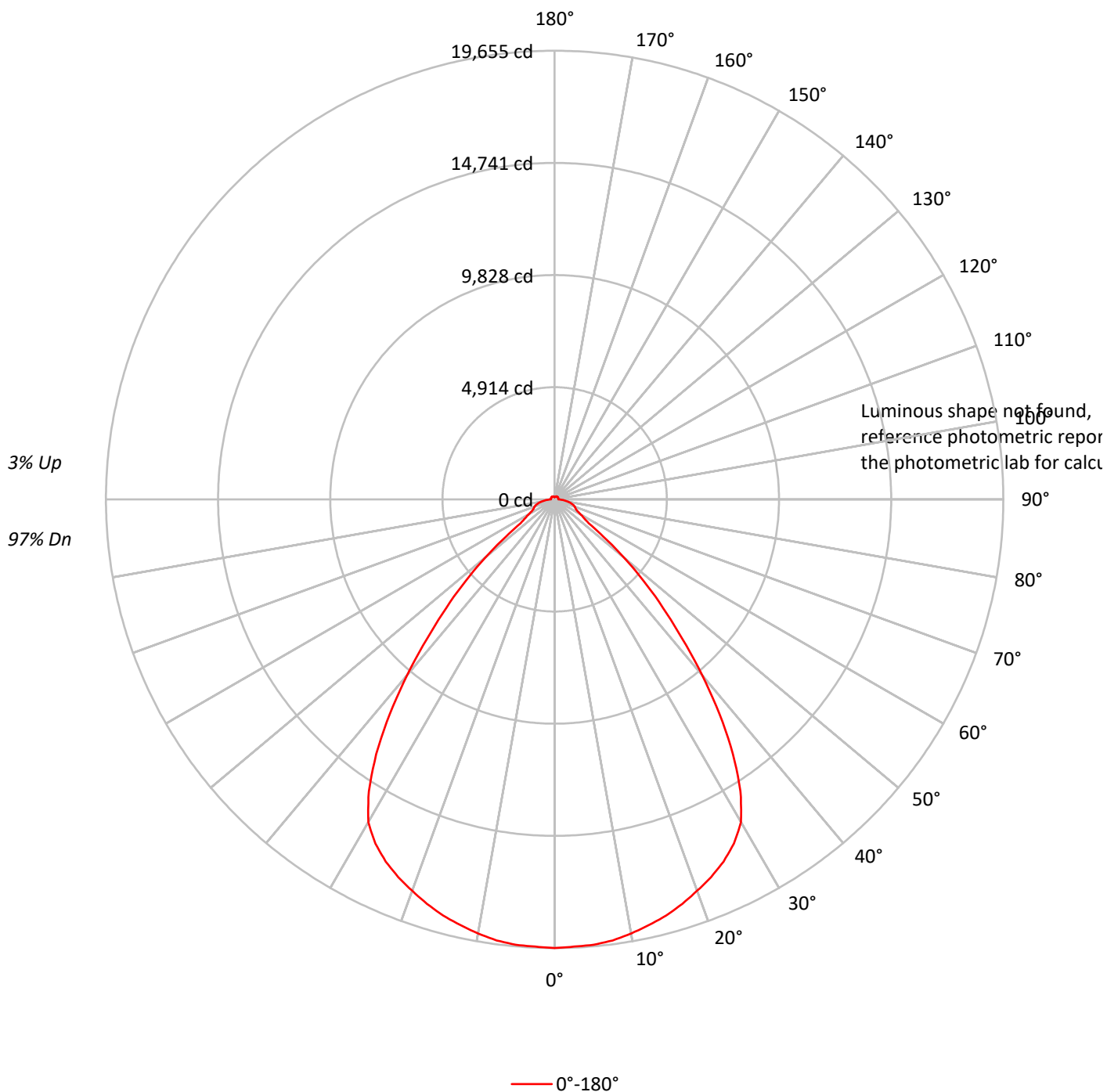
Lumens per Lamp: N/A
Luminaire Lumens: 34027.5 lumens
Efficiency: N/A
Efficacy: 142.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.16
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 239.6
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°	1860.8	5.5
10°-20°	5323.4	15.6
20°-30°	8039.6	23.6
30°-40°	8376.1	24.6
40°-50°	5210.2	15.3
50°-60°	1922.8	5.7
60°-70°	1059.6	3.1
70°-80°	833.7	2.5
80°-90°	413.3	1.2
90°-100°	176.4	0.5
100°-110°	175.8	0.5
110°-120°	165.7	0.5
120°-130°	146.2	0.4
130°-140°	121.8	0.4
140°-150°	95.7	0.3
150°-160°	64.5	0.2
160°-170°	32.7	0.1
170°-180°	9.3	0.0
0°-30°	15223.8	44.7
0°-40°	23599.9	69.4
0°-60°	30732.9	90.3
0°-90°	33039.5	97.1
90°-120°	518.0	1.5
90°-150°	881.5	2.6
90°-180°	988.0	2.9
0°-180°	34027.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19655	
5°	19587	###
15°	18874	5323
25°	17503	8040
35°	13623	8376
45°	6702	5210
55°	1817	1923
65°	1036	1060
75°	799	834
85°	376	355
90°	166	103
95°	160	132
105°	166	176
115°	168	166
125°	163	146
135°	157	122
145°	152	96
155°	139	65
165°	114	33
175°	96	9
180°	96	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19654.6
2.5°	19608.9
5°	19586.6
7.5°	19488.2
10°	19310.1
12.5°	19101.6
15°	18874.3
17.5°	18579.0
20°	18246.2
22.5°	17910.0
25°	17503.4
27.5°	16996.1
30°	16328.2
32.5°	15154.2
35°	13622.9
37.5°	11871.2
40°	10039.9
42.5°	8257.9
45°	6701.9
47.5°	5281.8
50°	3956.7
52.5°	2694.8
55°	1817.2
57.5°	1524.3
60°	1311.1
62.5°	1136.5
65°	1035.7
67.5°	983.0
70°	936.2
72.5°	877.6
75°	799.1
77.5°	708.9
80°	606.9
82.5°	493.3
85°	376.1
87.5°	261.3
90°	166.4
92.5°	158.2
95°	160.5
97.5°	162.9
100°	164.0
102.5°	165.2
105°	166.4
107.5°	167.5
110°	167.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	167.5
115°	167.5
117.5°	166.4
120°	165.2
122.5°	164.0
125°	162.9
127.5°	161.7
130°	160.5
132.5°	158.2
135°	157.0
137.5°	155.8
140°	154.7
142.5°	153.5
145°	152.3
147.5°	151.1
150°	148.8
152.5°	144.1
155°	139.4
157.5°	133.6
160°	127.7
162.5°	120.7
165°	113.7
167.5°	106.6
170°	100.8
172.5°	97.2
175°	96.1
177.5°	96.1
180°	96.1

(END OF REPORT)