

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: P1505218

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505218
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-113)
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-A-06-TRWH-PS (3500K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

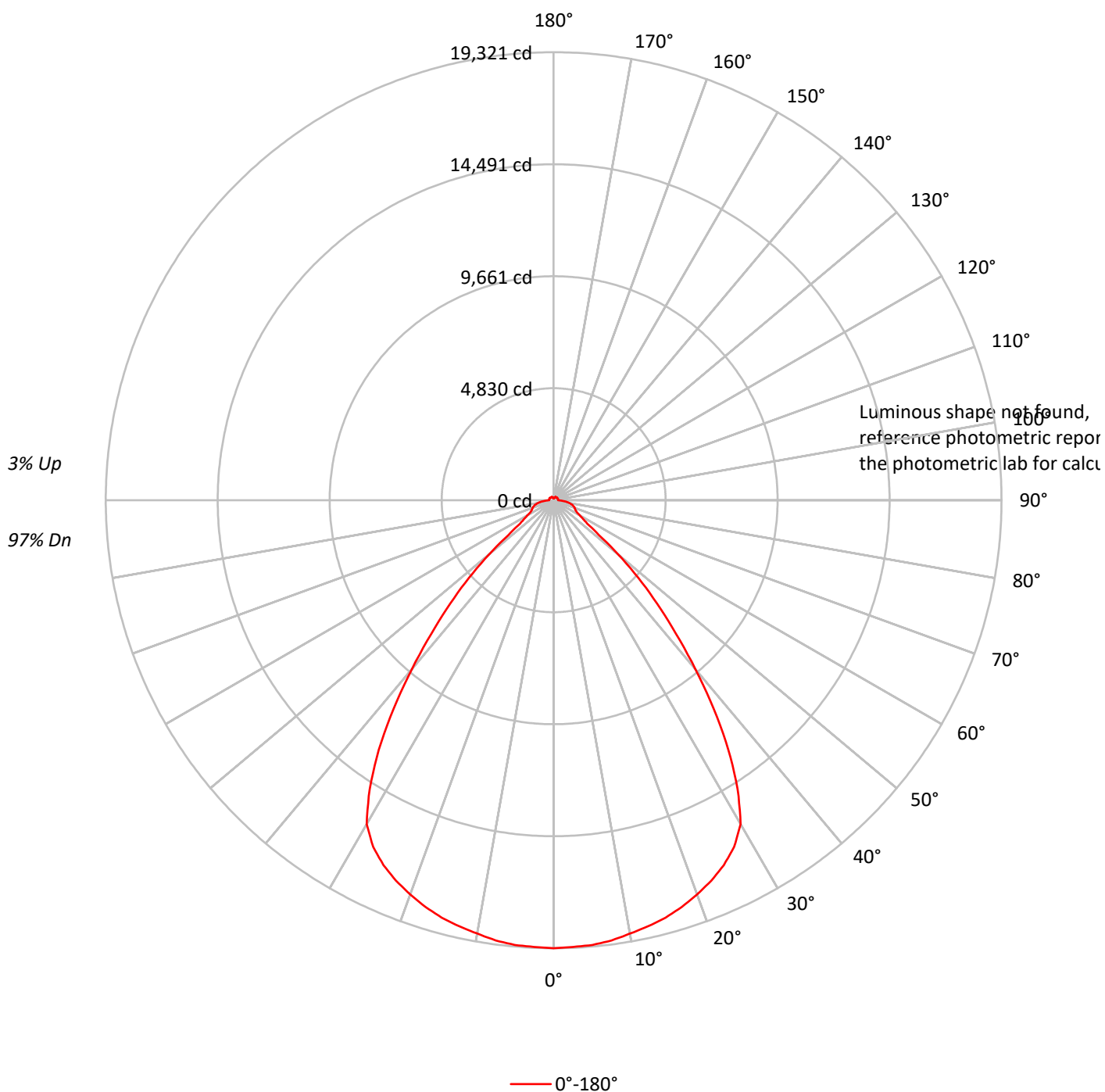
Lumens per Lamp: N/A
Luminaire Lumens: 33430.5 lumens
Efficiency: N/A
Efficacy: 142.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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



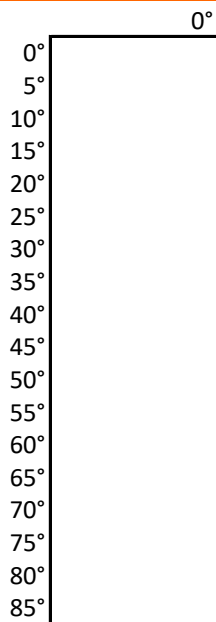
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	108	104	101	98	99	97	95	95	93	91	91	90	88	86		
2	103	97	91	87	100	94	90	86	91	87	83	87	84	81	84	81	79	77		
3	96	88	81	76	94	86	80	75	83	78	74	80	76	72	77	73	70	68		
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	62		
5	84	73	66	61	82	72	65	60	70	64	59	68	62	58	66	61	57	56		
6	78	67	60	55	76	66	59	54	64	58	54	62	57	53	61	56	52	50		
7	74	62	55	50	72	61	54	49	60	53	49	58	52	48	56	52	48	46		
8	69	58	50	45	67	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°	1828.8	5.5
10°-20°	5258.4	15.7
20°-30°	7968.8	23.8
30°-40°	8099.3	24.2
40°-50°	4901.2	14.7
50°-60°	1820.8	5.4
60°-70°	1071.0	3.2
70°-80°	894.0	2.7
80°-90°	482.6	1.4
90°-100°	208.3	0.6
100°-110°	204.8	0.6
110°-120°	188.7	0.6
120°-130°	162.8	0.5
130°-140°	133.4	0.4
140°-150°	103.7	0.3
150°-160°	66.6	0.2
160°-170°	29.9	0.1
170°-180°	7.4	0.0
0°-30°	15056.0	45.0
0°-40°	23155.4	69.3
0°-60°	29877.3	89.4
0°-90°	32324.9	96.7
90°-120°	601.8	1.8
90°-150°	1001.7	3.0
90°-180°	1106.0	3.3
0°-180°	33430.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19321	
5°	19250	###
15°	18639	5258
25°	17362	7969
35°	13146	8099
45°	6305	4901
55°	1773	1821
65°	1051	1071
75°	857	894
85°	448	413
90°	191	121
95°	191	156
105°	194	205
115°	191	189
125°	181	163
135°	172	133
145°	165	104
155°	143	67
165°	102	30
175°	73	7
180°	71	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19321.0
2.5°	19282.6
5°	19250.1
7.5°	19146.6
10°	18978.1
12.5°	18820.0
15°	18638.6
17.5°	18388.7
20°	18088.8
22.5°	17761.0
25°	17362.3
27.5°	16855.4
30°	16128.9
32.5°	14775.8
35°	13146.1
37.5°	11352.4
40°	9511.1
42.5°	7805.8
45°	6305.1
47.5°	4949.7
50°	3631.5
52.5°	2455.1
55°	1772.7
57.5°	1508.9
60°	1297.3
62.5°	1134.5
65°	1050.8
67.5°	1004.4
70°	970.6
72.5°	923.0
75°	856.7
77.5°	777.7
80°	683.5
82.5°	573.1
85°	447.5
87.5°	313.9
90°	190.6
92.5°	189.5
95°	190.6
97.5°	191.8
100°	193.0
102.5°	194.1
105°	194.1
107.5°	193.0
110°	193.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	191.8
115°	190.6
117.5°	188.3
120°	186.0
122.5°	183.7
125°	181.3
127.5°	179.0
130°	176.7
132.5°	174.4
135°	172.0
137.5°	169.7
140°	168.6
142.5°	166.2
145°	165.1
147.5°	163.9
150°	160.4
152.5°	152.3
155°	143.0
157.5°	133.7
160°	124.4
162.5°	112.8
165°	102.3
167.5°	94.2
170°	86.0
172.5°	79.0
175°	73.2
177.5°	70.9
180°	70.9

(END OF REPORT)