

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: P1505191

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (5000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505191
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-107)
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-CLER-PS (5000K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

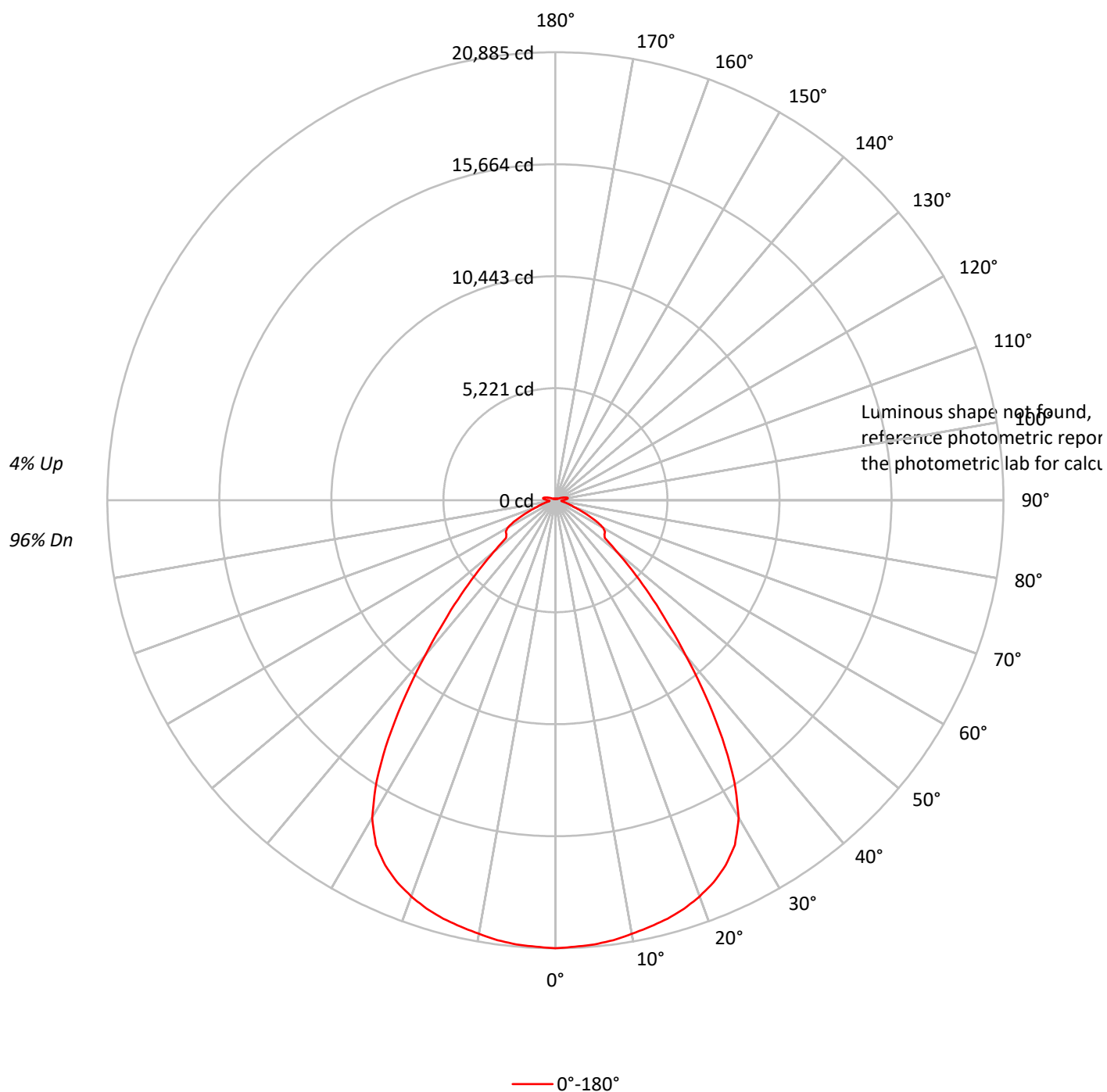
Lumens per Lamp: N/A
Luminaire Lumens: 36298.7 lumens
Efficiency: N/A
Efficacy: 155.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.12
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 233.3
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				0
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	103	103	103	98	98	98	96			
1	110	107	103	101	107	104	101	98	99	97	95	95	93	91	90	89	88	85			
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	83	80	78	76			
3	96	87	81	76	93	86	80	75	82	77	73	79	75	71	76	73	70	68			
4	89	80	73	67	87	78	72	67	75	70	65	73	68	64	70	66	63	61			
5	83	73	65	60	81	72	65	60	69	63	59	67	62	58	65	60	57	55			
6	78	67	59	54	76	66	59	54	64	58	53	62	56	52	60	55	52	50			
7	73	62	54	49	71	61	54	49	59	53	48	57	52	48	56	51	47	45			
8	69	57	50	45	67	56	49	45	55	48	44	53	48	44	52	47	43	41			
9	65	53	46	41	63	52	46	41	51	45	40	50	44	40	48	43	40	38			
10	61	49	42	38	60	49	42	38	48	42	37	46	41	37	45	40	37	35			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1975.8	5.4
10°-20°	5700.5	15.7
20°-30°	8591.0	23.7
30°-40°	8357.7	23.0
40°-50°	4841.3	13.3
50°-60°	2592.1	7.1
60°-70°	1699.9	4.7
70°-80°	628.8	1.7
80°-90°	324.8	0.9
90°-100°	535.5	1.5
100°-110°	509.4	1.4
110°-120°	235.6	0.6
120°-130°	104.3	0.3
130°-140°	76.5	0.2
140°-150°	59.2	0.2
150°-160°	40.3	0.1
160°-170°	20.4	0.1
170°-180°	5.5	0.0
0°-30°	16267.4	44.8
0°-40°	24625.0	67.8
0°-60°	32058.5	88.3
0°-90°	34711.9	95.6
90°-120°	1280.5	3.5
90°-150°	1520.5	4.2
90°-180°	1587.0	4.4
0°-180°	36298.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20885	
5°	20787	###
15°	20195	5701
25°	18777	8591
35°	13570	8358
45°	6187	4841
55°	2787	2592
65°	1697	1700
75°	576	629
85°	271	238
90°	344	192
95°	507	430
105°	487	509
115°	228	236
125°	111	104
135°	99	76
145°	94	59
155°	88	40
165°	71	20
175°	56	6
180°	55	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20884.6
2.5°	20830.9
5°	20787.0
7.5°	20683.2
10°	20523.3
12.5°	20362.2
15°	20195.0
17.5°	19966.7
20°	19650.6
22.5°	19274.6
25°	18776.6
27.5°	18113.8
30°	17081.2
32.5°	15515.2
35°	13569.5
37.5°	11479.8
40°	9440.2
42.5°	7677.6
45°	6187.3
47.5°	4858.0
50°	3744.8
52.5°	2901.4
55°	2786.6
57.5°	2743.9
60°	2569.4
62.5°	2182.4
65°	1696.6
67.5°	1259.7
70°	941.1
72.5°	732.4
75°	576.1
77.5°	437.0
80°	340.5
82.5°	285.6
85°	271.0
87.5°	291.7
90°	344.2
92.5°	422.3
95°	506.6
97.5°	571.2
100°	584.7
102.5°	548.1
105°	487.0
107.5°	419.9
110°	350.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	284.4
115°	228.3
117.5°	181.9
120°	148.9
122.5°	125.7
125°	111.1
127.5°	102.5
130°	98.9
132.5°	98.9
135°	98.9
137.5°	98.9
140°	97.6
142.5°	95.2
145°	94.0
147.5°	92.8
150°	91.5
152.5°	89.1
155°	87.9
157.5°	84.2
160°	80.6
162.5°	75.7
165°	70.8
167.5°	65.9
170°	62.3
172.5°	58.6
175°	56.1
177.5°	53.7
180°	54.9

(END OF REPORT)