

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: P1505179

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505179
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 (4000K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

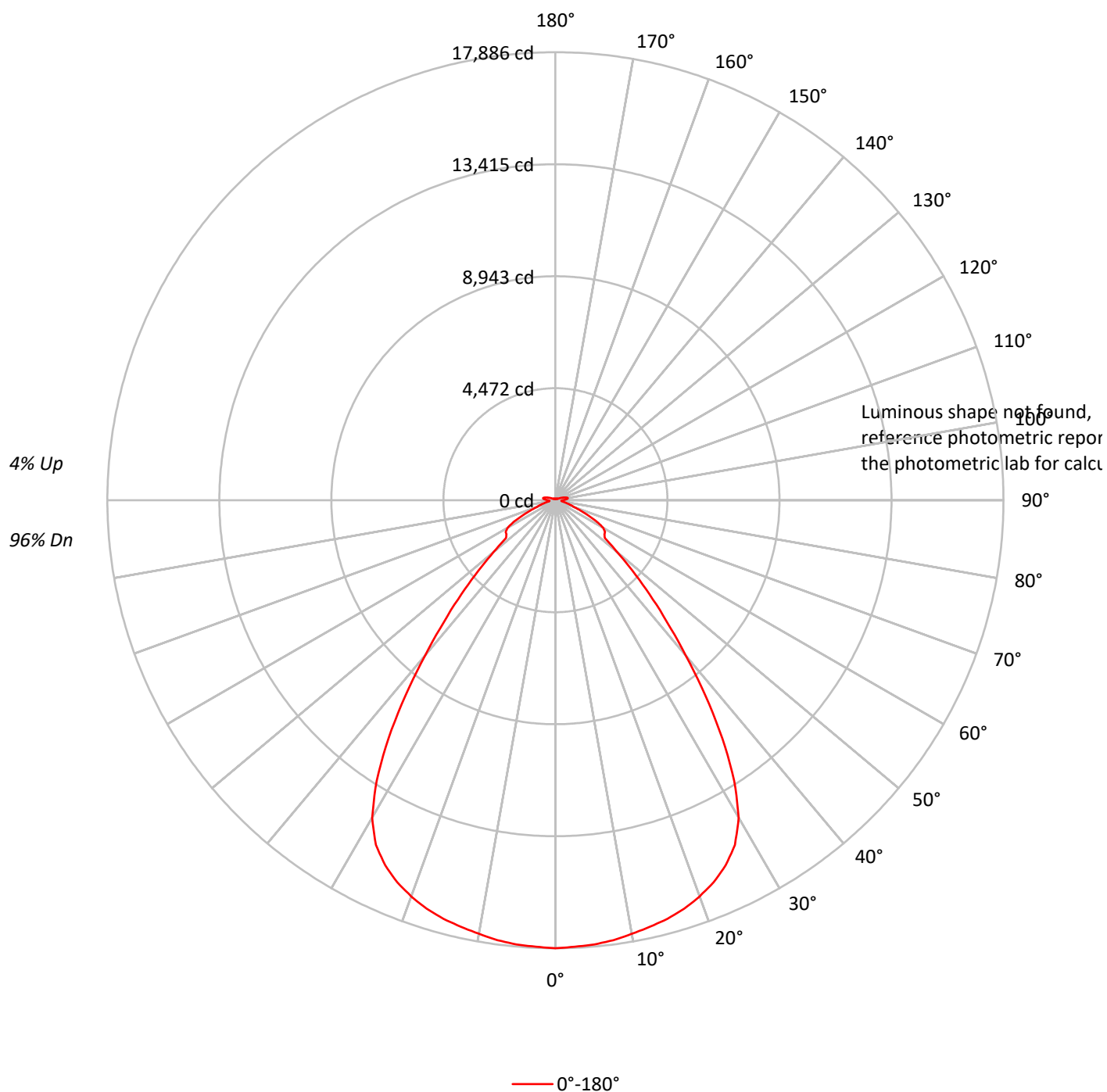
Lumens per Lamp: N/A
Luminaire Lumens: 31087.6 lumens
Efficiency: N/A
Efficacy: 160.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.12
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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



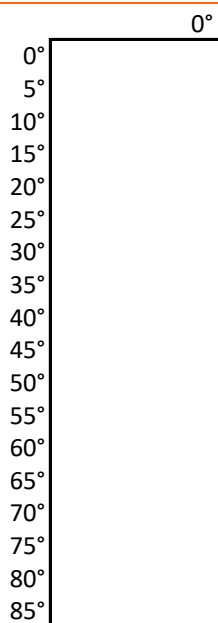
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	1692.2	5.4
10°-20°	4882.1	15.7
20°-30°	7357.7	23.7
30°-40°	7157.8	23.0
40°-50°	4146.3	13.3
50°-60°	2220.0	7.1
60°-70°	1455.9	4.7
70°-80°	538.5	1.7
80°-90°	278.1	0.9
90°-100°	458.6	1.5
100°-110°	436.3	1.4
110°-120°	201.8	0.6
120°-130°	89.3	0.3
130°-140°	65.5	0.2
140°-150°	50.7	0.2
150°-160°	34.5	0.1
160°-170°	17.5	0.1
170°-180°	4.7	0.0
0°-30°	13932.1	44.8
0°-40°	21089.9	67.8
0°-60°	27456.2	88.3
0°-90°	29728.7	95.6
90°-120°	1096.7	3.5
90°-150°	1302.2	4.2
90°-180°	1359.0	4.4
0°-180°	31087.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17886	
5°	17803	###
15°	17296	4882
25°	16081	7358
35°	11622	7158
45°	5299	4146
55°	2387	2220
65°	1453	1456
75°	493	539
85°	232	204
90°	295	165
95°	434	369
105°	417	436
115°	196	202
125°	95	89
135°	85	65
145°	80	51
155°	75	35
165°	61	17
175°	48	5
180°	47	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17886.4
2.5°	17840.4
5°	17802.8
7.5°	17713.9
10°	17577.0
12.5°	17439.0
15°	17295.8
17.5°	17100.3
20°	16829.6
22.5°	16507.6
25°	16081.1
27.5°	15513.4
30°	14629.0
32.5°	13287.8
35°	11621.5
37.5°	9831.8
40°	8085.0
42.5°	6575.4
45°	5299.0
47.5°	4160.6
50°	3207.2
52.5°	2484.9
55°	2386.6
57.5°	2350.0
60°	2200.5
62.5°	1869.1
65°	1453.1
67.5°	1078.8
70°	806.0
72.5°	627.2
75°	493.4
77.5°	374.2
80°	291.7
82.5°	244.6
85°	232.1
87.5°	249.8
90°	294.8
92.5°	361.7
95°	433.8
97.5°	489.2
100°	500.7
102.5°	469.4
105°	417.1
107.5°	359.6
110°	300.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	243.6
115°	195.5
117.5°	155.8
120°	127.5
122.5°	107.7
125°	95.1
127.5°	87.8
130°	84.7
132.5°	84.7
135°	84.7
137.5°	84.7
140°	83.6
142.5°	81.5
145°	80.5
147.5°	79.4
150°	78.4
152.5°	76.3
155°	75.3
157.5°	72.1
160°	69.0
162.5°	64.8
165°	60.6
167.5°	56.5
170°	53.3
172.5°	50.2
175°	48.1
177.5°	46.0
180°	47.0

(END OF REPORT)