

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: P1505539

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505539
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-119)
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-CLER-PS (4000K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

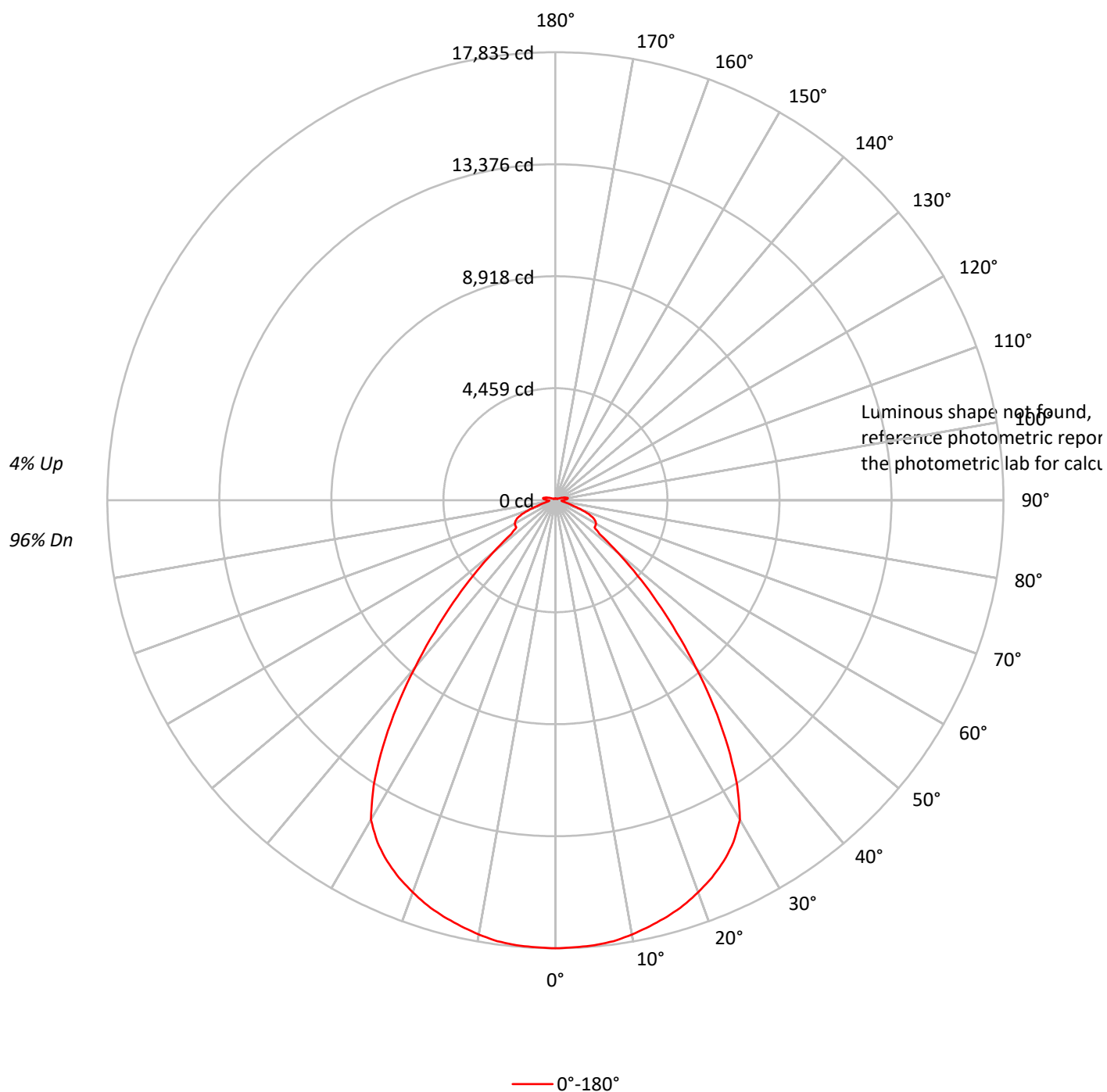
Lumens per Lamp: N/A
Luminaire Lumens: 31418.3 lumens
Efficiency: N/A
Efficacy: 161.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

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
RCR																				
0	118	118	118	118	115	115	115	115		109	109	109		103	103	103		98	98	98
1	110	107	103	100	107	104	101	98		99	97	94		95	93	91		90	89	87
2	103	96	91	86	100	94	89	85		90	86	83		86	83	80		83	80	78
3	96	87	81	76	93	85	80	75		82	77	73		79	75	71		76	73	70
4	89	79	72	67	87	78	71	66		75	69	65		72	68	64		70	66	62
5	83	73	65	60	81	71	64	59		69	63	58		67	61	57		64	60	56
6	78	67	59	54	76	66	59	53		63	57	53		62	56	52		60	55	51
7	73	61	54	49	71	60	53	49		59	52	48		57	51	47		55	51	47
8	68	57	50	45	67	56	49	44		54	48	44		53	47	43		52	47	43
9	64	53	46	41	63	52	45	41		51	45	40		49	44	40		48	43	39
10	61	49	42	38	59	48	42	37		47	41	37		46	41	37		45	40	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°	1690.6	5.4
10°-20°	4843.2	15.4
20°-30°	7278.5	23.2
30°-40°	7386.6	23.5
40°-50°	4444.9	14.1
50°-60°	1911.2	6.1
60°-70°	1570.0	5.0
70°-80°	644.9	2.1
80°-90°	292.0	0.9
90°-100°	467.9	1.5
100°-110°	425.5	1.4
110°-120°	197.8	0.6
120°-130°	87.9	0.3
130°-140°	66.3	0.2
140°-150°	50.9	0.2
150°-160°	34.6	0.1
160°-170°	19.6	0.1
170°-180°	5.9	0.0
0°-30°	13812.3	44.0
0°-40°	21198.9	67.5
0°-60°	27555.0	87.7
0°-90°	30061.9	95.7
90°-120°	1091.3	3.5
90°-150°	1296.4	4.1
90°-180°	1356.0	4.3
0°-180°	31418.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17835	
5°	17784	###
15°	17164	4843
25°	15855	7279
35°	11977	7387
45°	5732	4445
55°	1900	1911
65°	1662	1570
75°	556	645
85°	244	215
90°	300	169
95°	448	376
105°	405	426
115°	191	198
125°	93	88
135°	86	66
145°	80	51
155°	74	35
165°	69	20
175°	62	6
180°	63	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17835.2
2.5°	17814.3
5°	17784.0
7.5°	17705.6
10°	17557.1
12.5°	17365.8
15°	17164.1
17.5°	16919.5
20°	16606.9
22.5°	16266.1
25°	15855.3
27.5°	15351.4
30°	14687.6
32.5°	13465.5
35°	11976.9
37.5°	10368.1
40°	8703.8
42.5°	7128.4
45°	5731.8
47.5°	4430.3
50°	3226.0
52.5°	2228.7
55°	1900.5
57.5°	1889.0
60°	1863.9
62.5°	1790.7
65°	1662.2
67.5°	1415.4
70°	1091.4
72.5°	780.9
75°	556.1
77.5°	409.8
80°	314.7
82.5°	261.3
85°	243.6
87.5°	258.2
90°	300.0
92.5°	373.2
95°	448.5
97.5°	495.5
100°	498.6
102.5°	458.9
105°	404.6
107.5°	347.1
110°	291.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	239.4
115°	191.3
117.5°	153.7
120°	125.4
122.5°	105.6
125°	93.0
127.5°	86.8
130°	84.7
132.5°	84.7
135°	85.7
137.5°	86.8
140°	85.7
142.5°	83.6
145°	80.5
147.5°	78.4
150°	76.3
152.5°	75.3
155°	74.2
157.5°	74.2
160°	73.2
162.5°	71.1
165°	69.0
167.5°	65.9
170°	62.7
172.5°	60.6
175°	61.7
177.5°	62.7
180°	62.7

(END OF REPORT)