

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: P1505527

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (3500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505527
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 (3500K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

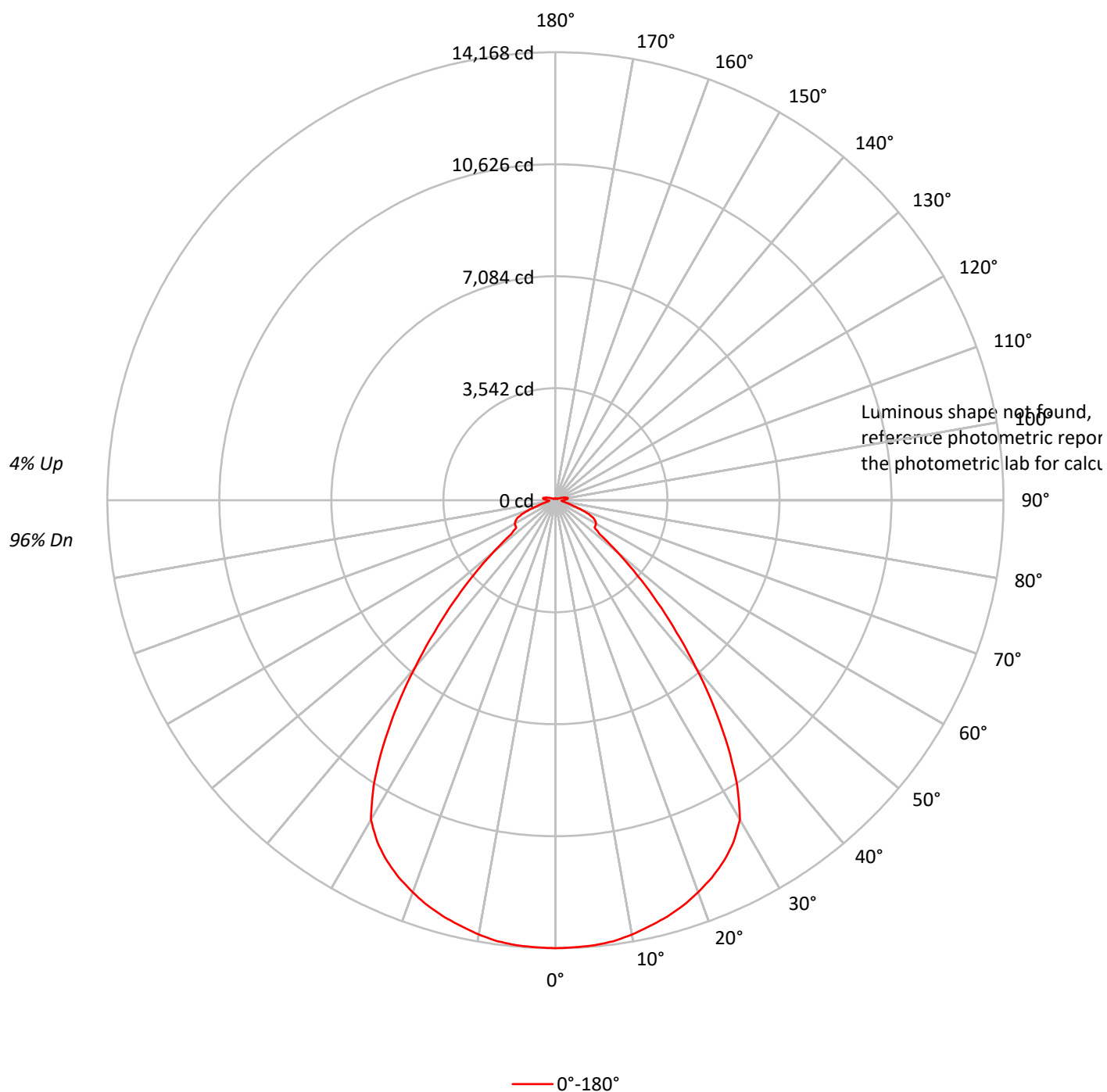
Lumens per Lamp: N/A
Luminaire Lumens: 24957.4 lumens
Efficiency: N/A
Efficacy: 158.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 157.5
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°	1342.9	5.4
10°-20°	3847.2	15.4
20°-30°	5781.8	23.2
30°-40°	5867.6	23.5
40°-50°	3530.9	14.1
50°-60°	1518.1	6.1
60°-70°	1247.1	5.0
70°-80°	512.3	2.1
80°-90°	231.9	0.9
90°-100°	371.7	1.5
100°-110°	338.0	1.4
110°-120°	157.2	0.6
120°-130°	69.8	0.3
130°-140°	52.6	0.2
140°-150°	40.4	0.2
150°-160°	27.5	0.1
160°-170°	15.5	0.1
170°-180°	4.7	0.0
0°-30°	10971.9	44.0
0°-40°	16839.6	67.5
0°-60°	21888.6	87.7
0°-90°	23880.0	95.7
90°-120°	866.9	3.5
90°-150°	1029.8	4.1
90°-180°	1077.0	4.3
0°-180°	24957.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14168	
5°	14127	###
15°	13634	3847
25°	12595	5782
35°	9514	5868
45°	4553	3531
55°	1510	1518
65°	1320	1247
75°	442	512
85°	194	171
90°	238	134
95°	356	298
105°	321	338
115°	152	157
125°	74	70
135°	68	53
145°	64	40
155°	59	27
165°	55	16
175°	49	5
180°	50	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14167.6
2.5°	14150.9
5°	14126.9
7.5°	14064.6
10°	13946.7
12.5°	13794.7
15°	13634.4
17.5°	13440.1
20°	13191.8
22.5°	12921.1
25°	12594.8
27.5°	12194.5
30°	11667.2
32.5°	10696.5
35°	9514.0
37.5°	8236.0
40°	6914.0
42.5°	5662.5
45°	4553.1
47.5°	3519.3
50°	2562.6
52.5°	1770.4
55°	1509.7
57.5°	1500.5
60°	1480.6
62.5°	1422.5
65°	1320.3
67.5°	1124.4
70°	866.9
72.5°	620.3
75°	441.8
77.5°	325.5
80°	250.0
82.5°	207.6
85°	193.5
87.5°	205.1
90°	238.3
92.5°	296.5
95°	356.2
97.5°	393.6
100°	396.1
102.5°	364.5
105°	321.4
107.5°	275.7
110°	231.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	190.2
115°	152.0
117.5°	122.1
120°	99.6
122.5°	83.9
125°	73.9
127.5°	68.9
130°	67.3
132.5°	67.3
135°	68.1
137.5°	68.9
140°	68.1
142.5°	66.4
145°	63.9
147.5°	62.3
150°	60.6
152.5°	59.8
155°	59.0
157.5°	59.0
160°	58.1
162.5°	56.5
165°	54.8
167.5°	52.3
170°	49.8
172.5°	48.2
175°	49.0
177.5°	49.8
180°	49.8

(END OF REPORT)