

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: P1505559

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (6500K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505559
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-120)
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 (6500K_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

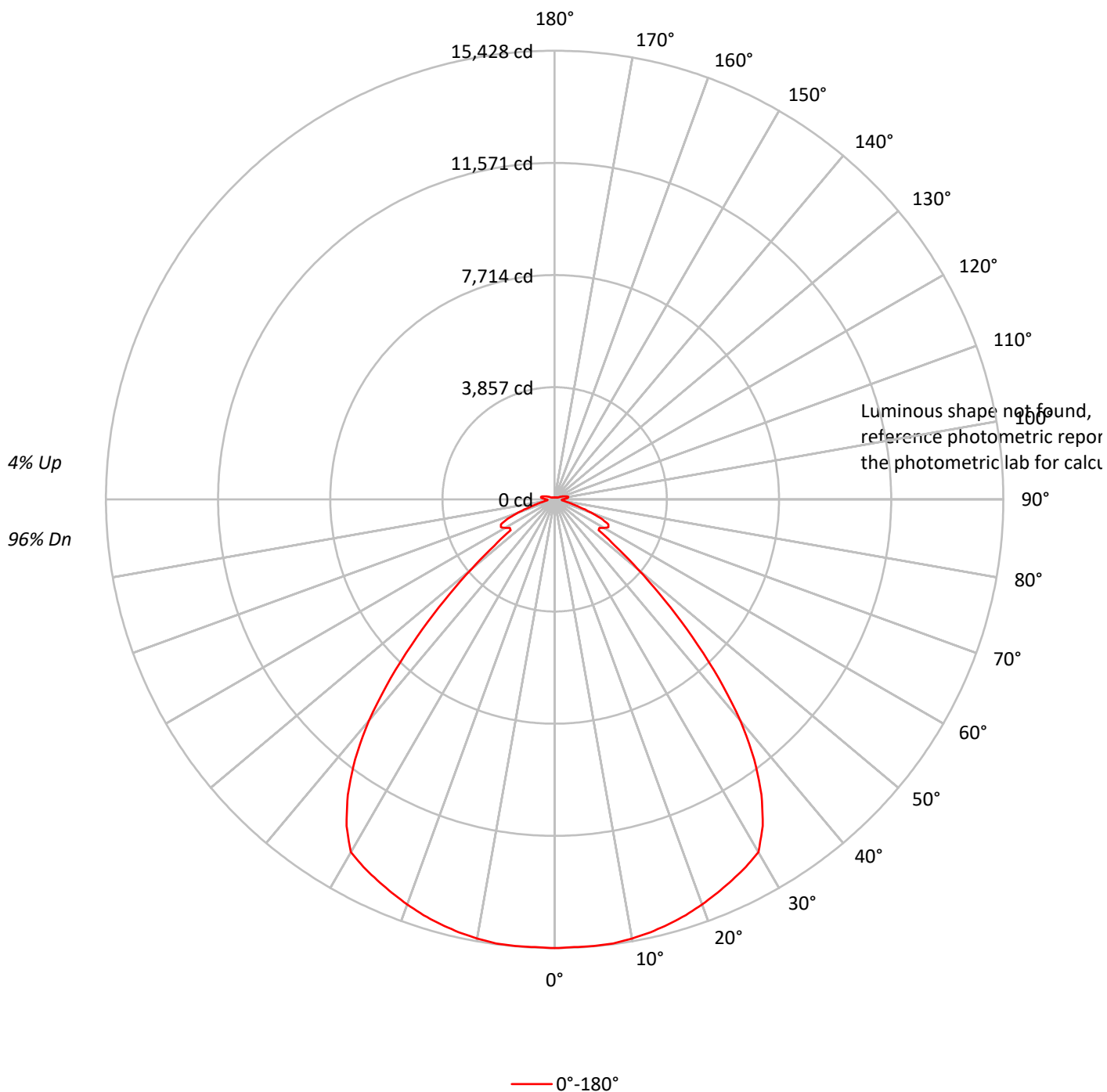
Lumens per Lamp: N/A
Luminaire Lumens: 31517.0 lumens
Efficiency: N/A
Efficacy: 157.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 200.1
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	106	103	100	107	104	100	98	99	96	94	94	92	90	90	88	87	85		
2	102	95	90	85	99	93	88	84	89	85	81	85	82	79	82	79	77	75		
3	95	86	79	74	92	84	78	73	81	76	71	78	73	70	75	71	68	66		
4	88	78	71	65	86	76	70	64	74	68	63	71	66	62	68	64	61	59		
5	82	71	63	58	80	70	63	57	67	61	56	65	60	55	63	58	54	52		
6	76	65	57	52	74	64	57	51	62	55	50	60	54	50	58	53	49	47		
7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	53	48	44	43		
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	50	44	41	39		
9	63	51	43	38	61	50	43	38	49	42	38	47	42	37	46	41	37	35		
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	33		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1469.4	4.7
10°-20°	4275.8	13.6
20°-30°	6670.8	21.2
30°-40°	7639.9	24.2
40°-50°	5163.8	16.4
50°-60°	2033.0	6.5
60°-70°	1864.1	5.9
70°-80°	764.6	2.4
80°-90°	292.8	0.9
90°-100°	438.7	1.4
100°-110°	420.0	1.3
110°-120°	201.9	0.6
120°-130°	93.0	0.3
130°-140°	71.4	0.2
140°-150°	54.7	0.2
150°-160°	36.5	0.1
160°-170°	20.5	0.1
170°-180°	6.3	0.0
0°-30°	12415.9	39.4
0°-40°	20055.8	63.6
0°-60°	27252.6	86.5
0°-90°	30174.2	95.7
90°-120°	1060.5	3.4
90°-150°	1279.7	4.1
90°-180°	1343.0	4.3
0°-180°	31517.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15428	
5°	15420	###
15°	15126	4276
25°	14444	6671
35°	12398	7640
45°	6692	5164
55°	1849	2033
65°	2039	1864
75°	654	765
85°	244	221
90°	278	157
95°	418	353
105°	401	420
115°	196	202
125°	99	93
135°	93	71
145°	87	55
155°	78	36
165°	71	20
175°	66	6
180°	66	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15428.3
2.5°	15409.9
5°	15420.1
7.5°	15402.8
10°	15332.4
12.5°	15244.8
15°	15125.5
17.5°	14989.9
20°	14824.8
22.5°	14634.1
25°	14443.5
27.5°	14246.7
30°	14009.2
32.5°	13315.0
35°	12398.5
37.5°	11275.1
40°	9940.6
42.5°	8355.4
45°	6691.6
47.5°	5132.9
50°	3730.1
52.5°	2611.8
55°	1849.3
57.5°	1822.8
60°	1961.4
62.5°	2080.7
65°	2038.9
67.5°	1756.5
70°	1341.6
72.5°	938.9
75°	654.5
77.5°	468.9
80°	344.6
82.5°	273.2
85°	243.6
87.5°	245.7
90°	278.3
92.5°	343.6
95°	418.0
97.5°	468.9
100°	479.1
102.5°	450.6
105°	400.6
107.5°	347.6
110°	293.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	242.6
115°	195.7
117.5°	159.0
120°	130.5
122.5°	111.1
125°	98.9
127.5°	92.8
130°	90.7
132.5°	90.7
135°	92.8
137.5°	93.8
140°	92.8
142.5°	89.7
145°	86.7
147.5°	83.6
150°	81.6
152.5°	79.5
155°	78.5
157.5°	77.5
160°	76.5
162.5°	74.4
165°	71.4
167.5°	69.3
170°	66.3
172.5°	64.2
175°	66.3
177.5°	66.3
180°	66.3

(END OF REPORT)