

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: P1505244

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505244
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-114)
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-TRWH-PS (6500K_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

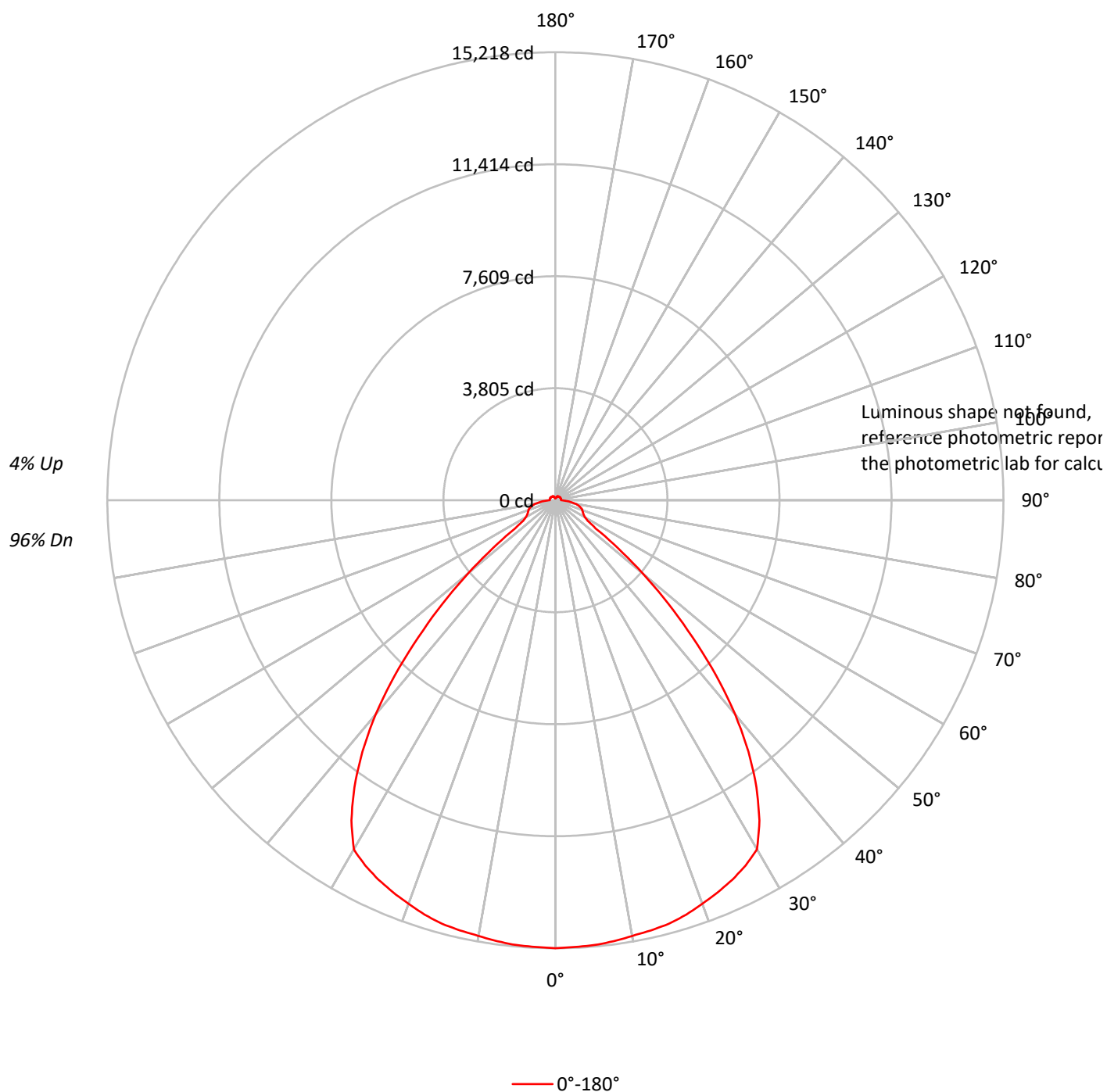
Lumens per Lamp: N/A
Luminaire Lumens: 29952.0 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.23
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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





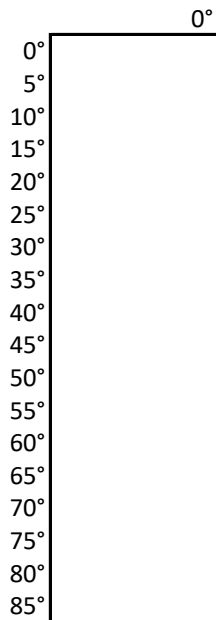
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				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	104	104	104	99	99	99	96			
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87	85			
2	102	96	90	86	100	94	89	84	90	85	82	86	82	79	82	80	77	75			
3	95	87	80	75	93	85	79	74	81	76	72	78	74	70	76	72	69	67			
4	89	79	71	66	86	77	70	65	74	69	64	72	67	63	69	65	62	60			
5	83	72	64	59	80	70	63	58	68	62	57	66	61	56	64	59	55	54			
6	77	66	58	53	75	65	57	52	63	56	52	61	55	51	59	54	50	48			
7	72	60	53	47	70	59	52	47	58	51	47	56	50	46	54	49	46	44			
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	51	45	42	40			
9	63	52	44	39	62	51	44	39	49	43	39	48	43	38	47	42	38	36			
10	60	48	41	36	58	47	40	36	46	40	36	45	39	35	44	39	35	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°	1443.2	4.8
10°-20°	4205.4	14.0
20°-30°	6556.4	21.9
30°-40°	7355.5	24.6
40°-50°	5077.3	17.0
50°-60°	1804.8	6.0
60°-70°	1039.2	3.5
70°-80°	902.0	3.0
80°-90°	476.4	1.6
90°-100°	206.9	0.7
100°-110°	202.9	0.7
110°-120°	186.7	0.6
120°-130°	161.6	0.5
130°-140°	131.7	0.4
140°-150°	101.4	0.3
150°-160°	64.9	0.2
160°-170°	28.7	0.1
170°-180°	6.9	0.0
0°-30°	12205.0	40.7
0°-40°	19560.5	65.3
0°-60°	26442.6	88.3
0°-90°	28860.3	96.4
90°-120°	596.5	2.0
90°-150°	991.3	3.3
90°-180°	1092.0	3.6
0°-180°	29952.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15218	
5°	15168	###
15°	14894	4205
25°	14219	6556
35°	11906	7356
45°	6574	5077
55°	1670	1805
65°	1038	1039
75°	866	902
85°	435	408
90°	190	120
95°	190	155
105°	192	203
115°	189	187
125°	180	162
135°	170	132
145°	161	101
155°	140	65
165°	98	29
175°	68	7
180°	65	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15218.3
2.5°	15187.7
5°	15168.3
7.5°	15110.2
10°	15026.6
12.5°	14966.5
15°	14894.1
17.5°	14761.6
20°	14588.2
22.5°	14413.9
25°	14219.2
27.5°	13987.8
30°	13693.2
32.5°	12896.0
35°	11906.1
37.5°	10766.4
40°	9498.2
42.5°	8075.0
45°	6574.4
47.5°	5203.2
50°	3864.7
52.5°	2672.0
55°	1669.8
57.5°	1293.7
60°	1167.3
62.5°	1083.7
65°	1037.8
67.5°	1002.1
70°	970.5
72.5°	927.7
75°	866.5
77.5°	790.1
80°	690.2
82.5°	566.8
85°	435.3
87.5°	306.9
90°	189.6
92.5°	187.6
95°	189.6
97.5°	190.6
100°	191.7
102.5°	192.7
105°	191.7
107.5°	191.7
110°	190.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	189.6
115°	188.6
117.5°	186.6
120°	184.5
122.5°	182.5
125°	180.4
127.5°	177.4
130°	175.3
132.5°	172.3
135°	170.2
137.5°	167.2
140°	165.1
142.5°	163.1
145°	161.1
147.5°	160.1
150°	156.0
152.5°	148.8
155°	139.7
157.5°	129.5
160°	120.3
162.5°	109.1
165°	97.9
167.5°	88.7
170°	81.6
172.5°	73.4
175°	68.3
177.5°	65.2
180°	65.2

(END OF REPORT)