

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: P1505235

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (5000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505235
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 (5000K_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

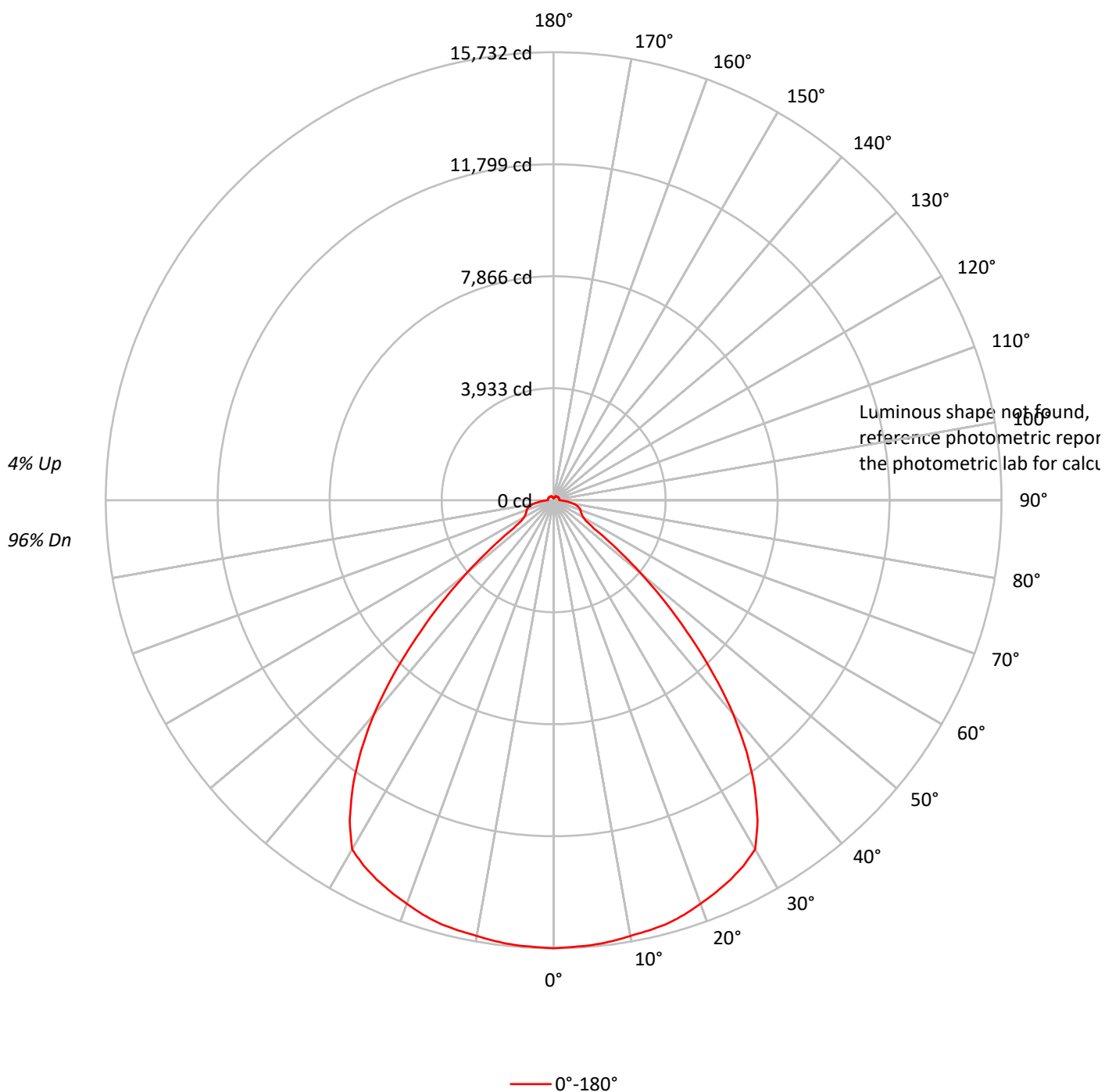
Lumens per Lamp: N/A
Luminaire Lumens: 30962.2 lumens
Efficiency: N/A
Efficacy: 158.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.23
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 195.5
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





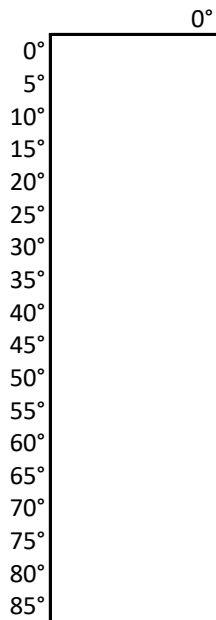
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				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°	1491.9	4.8
10°-20°	4347.3	14.0
20°-30°	6777.5	21.9
30°-40°	7603.6	24.6
40°-50°	5248.6	17.0
50°-60°	1865.7	6.0
60°-70°	1074.2	3.5
70°-80°	932.5	3.0
80°-90°	492.4	1.6
90°-100°	213.9	0.7
100°-110°	209.7	0.7
110°-120°	193.1	0.6
120°-130°	167.1	0.5
130°-140°	136.2	0.4
140°-150°	104.8	0.3
150°-160°	67.0	0.2
160°-170°	29.6	0.1
170°-180°	7.2	0.0
0°-30°	12616.7	40.7
0°-40°	20220.3	65.3
0°-60°	27334.6	88.3
0°-90°	29833.7	96.4
90°-120°	616.6	2.0
90°-150°	1024.7	3.3
90°-180°	1129.0	3.6
0°-180°	30962.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15732	
5°	15680	###
15°	15396	4347
25°	14699	6778
35°	12308	7604
45°	6796	5249
55°	1726	1866
65°	1073	1074
75°	896	932
85°	450	422
90°	196	124
95°	196	160
105°	198	210
115°	195	193
125°	186	167
135°	176	136
145°	166	105
155°	144	67
165°	101	30
175°	71	7
180°	67	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15731.6
2.5°	15700.0
5°	15679.9
7.5°	15619.9
10°	15533.5
12.5°	15471.3
15°	15396.5
17.5°	15259.5
20°	15080.3
22.5°	14900.1
25°	14698.8
27.5°	14459.6
30°	14155.1
32.5°	13331.0
35°	12307.7
37.5°	11129.5
40°	9818.5
42.5°	8347.4
45°	6796.2
47.5°	5378.8
50°	3995.1
52.5°	2762.1
55°	1726.2
57.5°	1337.3
60°	1206.6
62.5°	1120.2
65°	1072.8
67.5°	1035.9
70°	1003.2
72.5°	959.0
75°	895.8
77.5°	816.7
80°	713.4
82.5°	585.9
85°	450.0
87.5°	317.2
90°	196.0
92.5°	193.9
95°	196.0
97.5°	197.1
100°	198.1
102.5°	199.2
105°	198.1
107.5°	198.1
110°	197.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	196.0
115°	195.0
117.5°	192.9
120°	190.7
122.5°	188.6
125°	186.5
127.5°	183.4
130°	181.3
132.5°	178.1
135°	176.0
137.5°	172.8
140°	170.7
142.5°	168.6
145°	166.5
147.5°	165.5
150°	161.2
152.5°	153.9
155°	144.4
157.5°	133.8
160°	124.4
162.5°	112.8
165°	101.2
167.5°	91.7
170°	84.3
172.5°	75.9
175°	70.6
177.5°	67.4
180°	67.4

(END OF REPORT)