

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: P1505586

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (4000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505586
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-126)
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-TRWH-PS (4000K_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

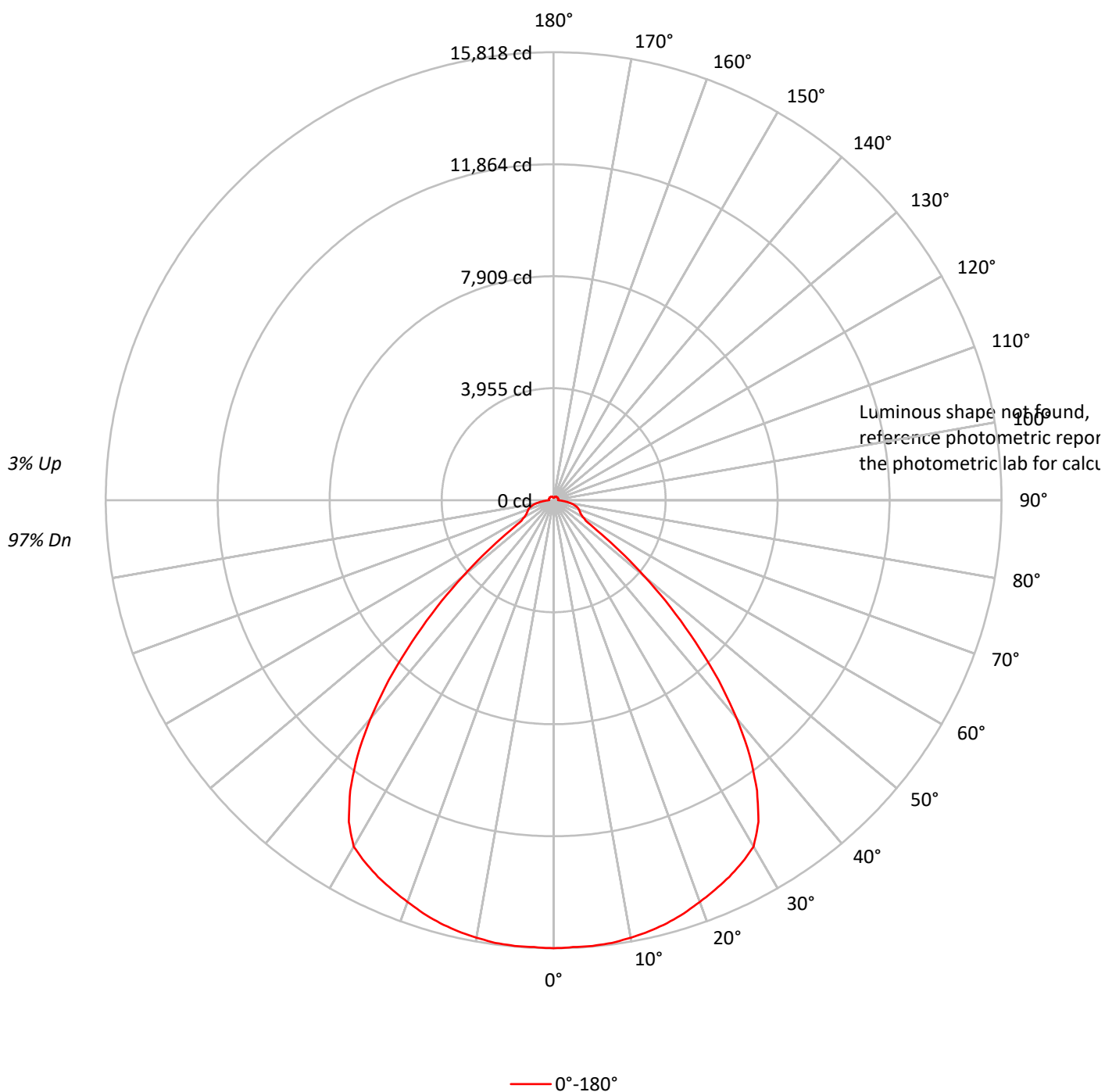
Lumens per Lamp: N/A
Luminaire Lumens: 31028.2 lumens
Efficiency: N/A
Efficacy: 159.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

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





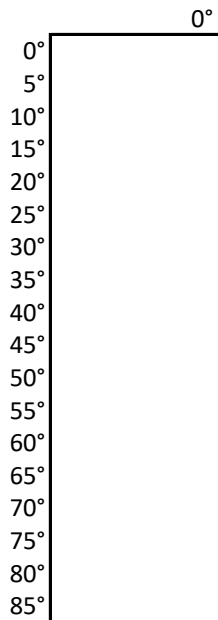
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	110	107	103	100	107	104	101	98	99	97	95	95	93	91	91	89	88	86		
2	103	96	91	86	100	94	89	85	90	86	82	86	83	80	83	80	78	76		
3	95	87	80	75	93	85	79	74	82	77	73	79	75	71	76	72	69	67		
4	89	79	72	66	86	77	71	66	75	69	64	72	67	63	70	66	62	60		
5	83	72	64	59	81	71	64	58	68	62	58	66	61	57	64	60	56	54		
6	77	66	58	53	75	65	58	52	63	57	52	61	55	51	59	54	51	49		
7	72	61	53	48	70	60	52	47	58	52	47	56	51	46	55	50	46	44		
8	68	56	48	43	66	55	48	43	54	47	43	52	46	42	51	46	42	40		
9	64	52	44	39	62	51	44	39	50	43	39	48	43	39	47	42	38	37		
10	60	48	41	36	58	47	41	36	46	40	36	45	39	36	44	39	35	34		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1504.2	4.8
10°-20°	4366.2	14.1
20°-30°	6766.4	21.8
30°-40°	7717.7	24.9
40°-50°	5437.0	17.5
50°-60°	1958.6	6.3
60°-70°	1038.8	3.3
70°-80°	848.8	2.7
80°-90°	408.2	1.3
90°-100°	176.2	0.6
100°-110°	175.7	0.6
110°-120°	165.5	0.5
120°-130°	146.0	0.5
130°-140°	121.2	0.4
140°-150°	94.1	0.3
150°-160°	63.1	0.2
160°-170°	31.4	0.1
170°-180°	8.8	0.0
0°-30°	12636.9	40.7
0°-40°	20354.6	65.6
0°-60°	27750.2	89.4
0°-90°	30046.0	96.8
90°-120°	517.5	1.7
90°-150°	878.8	2.8
90°-180°	982.0	3.2
0°-180°	31028.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15818	
5°	15795	###
15°	15463	4366
25°	14674	6766
35°	12520	7718
45°	7071	5437
55°	1868	1959
65°	1035	1039
75°	818	849
85°	368	351
90°	164	102
95°	161	132
105°	166	176
115°	167	166
125°	163	146
135°	157	121
145°	150	94
155°	136	63
165°	109	31
175°	91	9
180°	91	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15817.6
2.5°	15791.5
5°	15794.6
7.5°	15763.3
10°	15681.7
12.5°	15588.7
15°	15463.2
17.5°	15293.9
20°	15091.1
22.5°	14887.2
25°	14674.0
27.5°	14418.9
30°	14121.0
32.5°	13463.4
35°	12519.5
37.5°	11385.2
40°	10063.9
42.5°	8617.1
45°	7070.9
47.5°	5595.9
50°	4181.5
52.5°	2944.8
55°	1868.1
57.5°	1348.5
60°	1197.0
62.5°	1093.5
65°	1034.9
67.5°	991.0
70°	948.2
72.5°	892.8
75°	817.5
77.5°	724.4
80°	610.5
82.5°	488.2
85°	368.0
87.5°	255.1
90°	164.1
92.5°	157.9
95°	161.0
97.5°	163.1
100°	164.1
102.5°	165.2
105°	166.2
107.5°	167.3
110°	167.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	167.3
115°	167.3
117.5°	166.2
120°	165.2
122.5°	164.1
125°	163.1
127.5°	161.0
130°	159.9
132.5°	157.9
135°	156.8
137.5°	154.7
140°	152.6
142.5°	151.6
145°	149.5
147.5°	148.4
150°	146.4
152.5°	142.2
155°	135.9
157.5°	129.6
160°	123.4
162.5°	117.1
165°	108.7
167.5°	102.4
170°	96.2
172.5°	92.0
175°	90.9
177.5°	90.9
180°	90.9

(END OF REPORT)