

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: P1505567

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (3000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505567
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-124)
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 (3000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

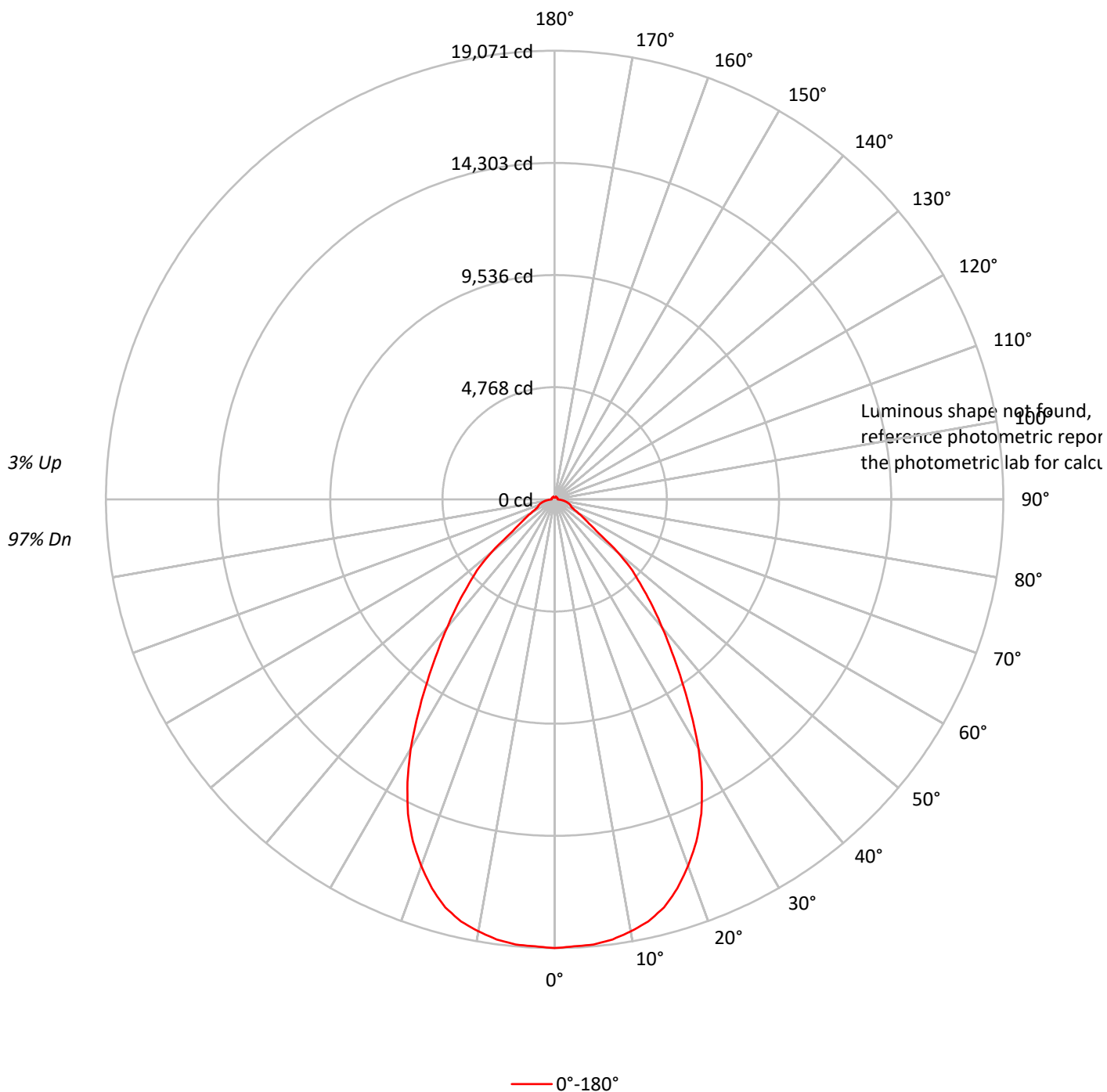
Lumens per Lamp: N/A
Luminaire Lumens: 27788.1 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.02
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 199.4
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





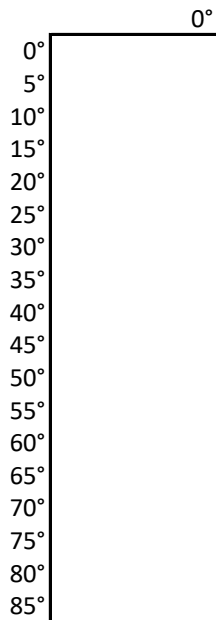
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	110	110	110	104	104	104	100	100	100	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89	87		
2	104	97	92	88	101	95	91	87	92	88	84	88	85	82	85	82	80	78		
3	97	89	82	77	94	87	81	77	84	79	75	81	77	73	78	75	72	70		
4	91	81	74	69	88	80	73	68	77	72	67	75	70	66	72	68	65	63		
5	85	74	67	62	83	73	67	62	71	65	61	69	64	60	67	63	59	57		
6	79	69	61	56	78	68	61	56	66	60	55	64	59	55	62	58	54	52		
7	75	64	56	51	73	63	56	51	61	55	51	59	54	50	58	53	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	55	50	46	54	49	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	46	43	51	46	42	41		
10	63	51	45	40	61	51	44	40	50	44	40	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1801.7	6.5
10°-20°	5021.8	18.1
20°-30°	6703.2	24.1
30°-40°	5914.1	21.3
40°-50°	4063.5	14.6
50°-60°	1750.3	6.3
60°-70°	845.1	3.0
70°-80°	619.6	2.2
80°-90°	301.3	1.1
90°-100°	136.4	0.5
100°-110°	136.2	0.5
110°-120°	128.2	0.5
120°-130°	113.2	0.4
130°-140°	94.4	0.3
140°-150°	74.5	0.3
150°-160°	51.0	0.2
160°-170°	26.1	0.1
170°-180°	7.6	0.0
0°-30°	13526.7	48.7
0°-40°	19440.8	70.0
0°-60°	25254.6	90.9
0°-90°	27020.6	97.2
90°-120°	400.7	1.4
90°-150°	682.7	2.5
90°-180°	767.0	2.8
0°-180°	27788.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19071	
5°	18993	###
15°	17957	5022
25°	14744	6703
35°	9424	5914
45°	5230	4063
55°	1781	1750
65°	807	845
75°	594	620
85°	274	257
90°	128	78
95°	124	102
105°	129	136
115°	129	128
125°	126	113
135°	121	94
145°	118	74
155°	110	51
165°	90	26
175°	78	8
180°	78	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19070.6
2.5°	19019.0
5°	18993.2
7.5°	18865.1
10°	18644.7
12.5°	18372.6
15°	17956.6
17.5°	17340.0
20°	16581.4
22.5°	15740.4
25°	14743.6
27.5°	13547.1
30°	12233.5
32.5°	10790.8
35°	9423.6
37.5°	8178.5
40°	7102.2
42.5°	6155.0
45°	5229.6
47.5°	4478.0
50°	3528.8
52.5°	2314.5
55°	1781.3
57.5°	1450.6
60°	1148.8
62.5°	927.4
65°	807.2
67.5°	751.6
70°	710.9
72.5°	660.3
75°	593.8
77.5°	518.3
80°	437.9
82.5°	355.5
85°	274.0
87.5°	193.6
90°	128.1
92.5°	122.1
95°	124.1
97.5°	126.1
100°	127.1
102.5°	128.1
105°	129.1
107.5°	129.1
110°	130.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	129.1
115°	129.1
117.5°	129.1
120°	128.1
122.5°	127.1
125°	126.1
127.5°	125.1
130°	124.1
132.5°	123.1
135°	121.1
137.5°	121.1
140°	120.1
142.5°	119.1
145°	118.2
147.5°	118.2
150°	117.2
152.5°	114.2
155°	110.2
157.5°	105.2
160°	101.3
162.5°	96.3
165°	90.4
167.5°	86.4
170°	82.4
172.5°	79.4
175°	78.4
177.5°	78.4
180°	78.4

(END OF REPORT)