

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: P1505603

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (6500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505603
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 (6500K_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

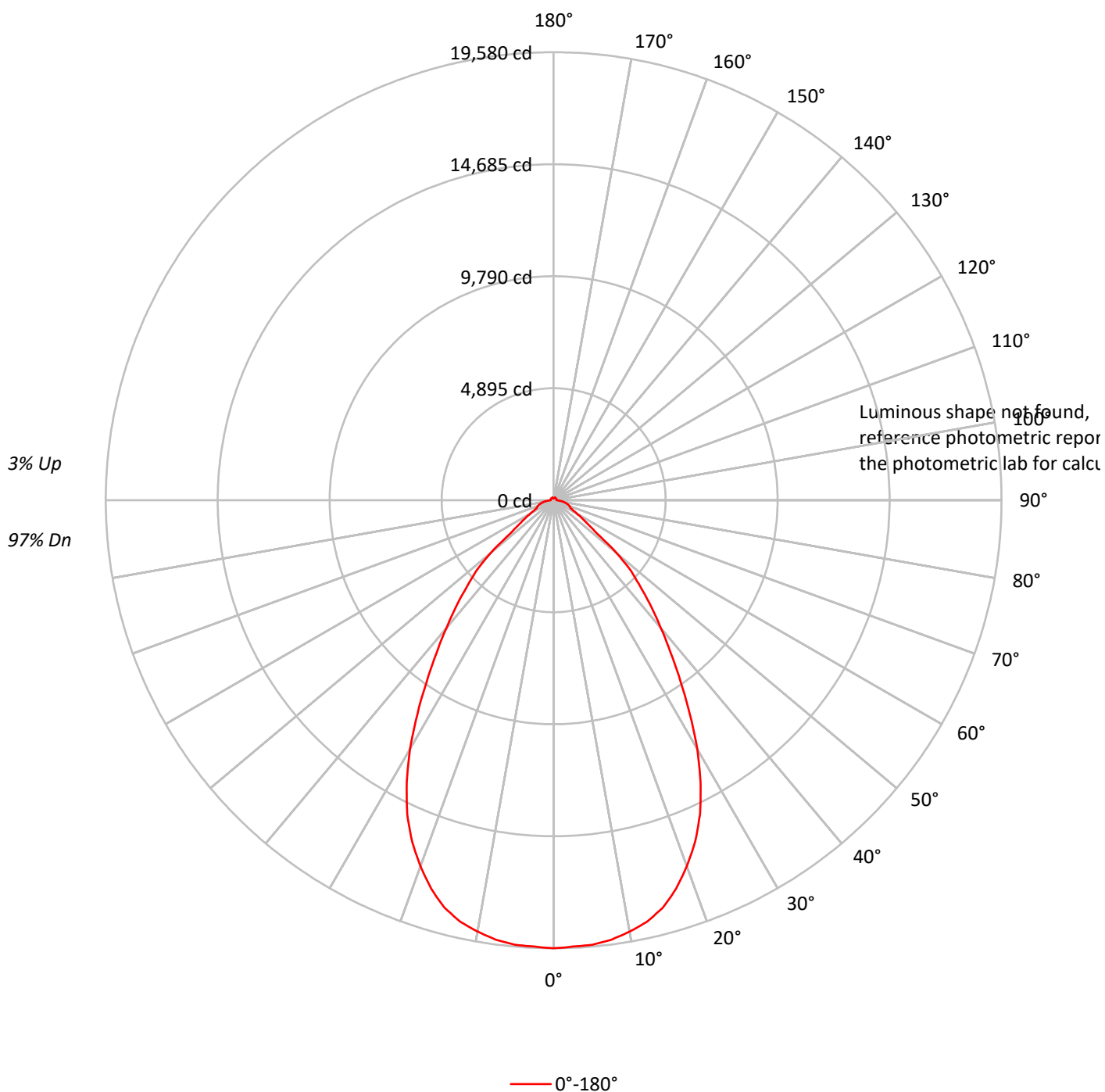
Lumens per Lamp: N/A
Luminaire Lumens: 28531.0 lumens
Efficiency: N/A
Efficacy: 142.6 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.02
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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





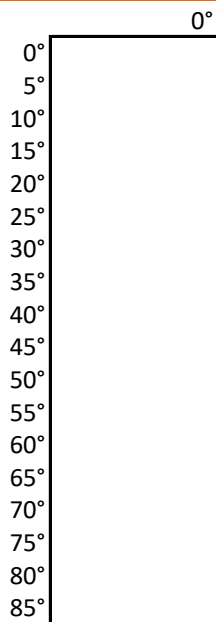
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	1849.9	6.5
10°-20°	5156.0	18.1
20°-30°	6882.5	24.1
30°-40°	6072.3	21.3
40°-50°	4172.1	14.6
50°-60°	1797.1	6.3
60°-70°	867.7	3.0
70°-80°	636.2	2.2
80°-90°	309.4	1.1
90°-100°	140.0	0.5
100°-110°	139.8	0.5
110°-120°	131.5	0.5
120°-130°	116.2	0.4
130°-140°	97.0	0.3
140°-150°	76.5	0.3
150°-160°	52.4	0.2
160°-170°	26.8	0.1
170°-180°	7.8	0.0
0°-30°	13888.3	48.7
0°-40°	19960.6	70.0
0°-60°	25929.8	90.9
0°-90°	27743.0	97.2
90°-120°	411.3	1.4
90°-150°	700.9	2.5
90°-180°	788.0	2.8
0°-180°	28531.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19580	
5°	19501	###
15°	18437	5156
25°	15138	6882
35°	9676	6072
45°	5369	4172
55°	1829	1797
65°	829	868
75°	610	636
85°	281	264
90°	132	80
95°	127	105
105°	132	140
115°	132	132
125°	130	116
135°	124	97
145°	121	76
155°	113	52
165°	93	27
175°	80	8
180°	80	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19580.5
2.5°	19527.5
5°	19501.0
7.5°	19369.4
10°	19143.1
12.5°	18863.8
15°	18436.7
17.5°	17803.6
20°	17024.7
22.5°	16161.3
25°	15137.7
27.5°	13909.3
30°	12560.6
32.5°	11079.3
35°	9675.5
37.5°	8397.2
40°	7292.1
42.5°	6319.5
45°	5369.4
47.5°	4597.7
50°	3623.1
52.5°	2376.3
55°	1828.9
57.5°	1489.4
60°	1179.5
62.5°	952.2
65°	828.8
67.5°	771.7
70°	729.9
72.5°	677.9
75°	609.6
77.5°	532.2
80°	449.6
82.5°	365.0
85°	281.4
87.5°	198.8
90°	131.5
92.5°	125.4
95°	127.4
97.5°	129.5
100°	130.5
102.5°	131.5
105°	132.5
107.5°	132.5
110°	133.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	132.5
115°	132.5
117.5°	132.5
120°	131.5
122.5°	130.5
125°	129.5
127.5°	128.5
130°	127.4
132.5°	126.4
135°	124.4
137.5°	124.4
140°	123.4
142.5°	122.3
145°	121.3
147.5°	121.3
150°	120.3
152.5°	117.2
155°	113.2
157.5°	108.1
160°	104.0
162.5°	98.9
165°	92.8
167.5°	88.7
170°	84.6
172.5°	81.6
175°	80.5
177.5°	80.5
180°	80.5

(END OF REPORT)