

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: P1505591

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (5000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505591
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 (5000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

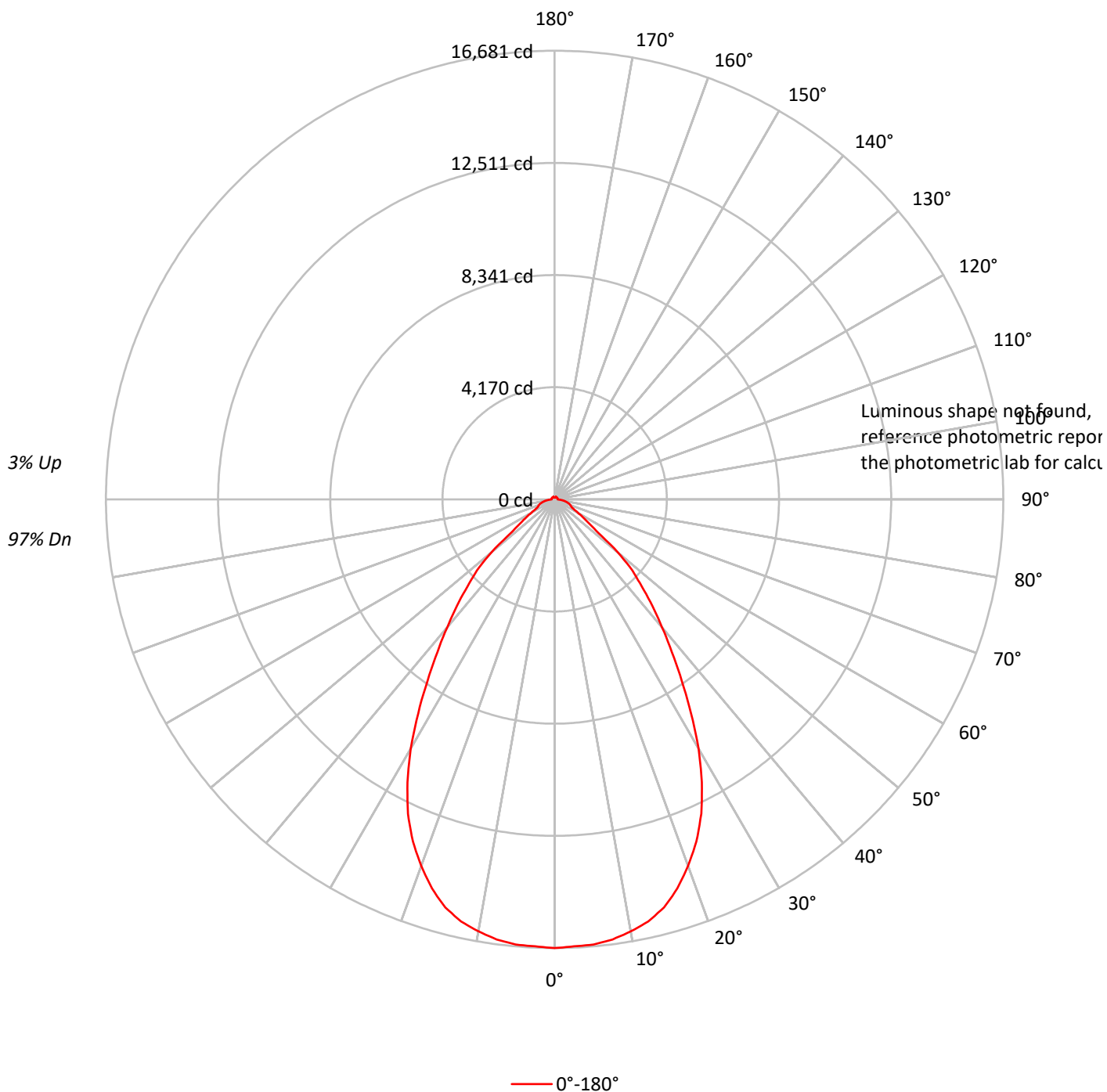
Lumens per Lamp: N/A
Luminaire Lumens: 24306.5 lumens
Efficiency: N/A
Efficacy: 155.4 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.02
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 156.4
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°	1576.0	6.5
10°-20°	4392.6	18.1
20°-30°	5863.4	24.1
30°-40°	5173.1	21.3
40°-50°	3554.3	14.6
50°-60°	1531.0	6.3
60°-70°	739.3	3.0
70°-80°	542.0	2.2
80°-90°	263.5	1.1
90°-100°	119.3	0.5
100°-110°	119.1	0.5
110°-120°	112.1	0.5
120°-130°	99.0	0.4
130°-140°	82.6	0.3
140°-150°	65.2	0.3
150°-160°	44.6	0.2
160°-170°	22.9	0.1
170°-180°	6.7	0.0
0°-30°	11831.9	48.7
0°-40°	17005.0	70.0
0°-60°	22090.4	90.9
0°-90°	23635.1	97.2
90°-120°	350.4	1.4
90°-150°	597.2	2.5
90°-180°	671.0	2.8
0°-180°	24306.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16681	
5°	16614	###
15°	15707	4393
25°	12896	5863
35°	8243	5173
45°	4574	3554
55°	1558	1531
65°	706	739
75°	519	542
85°	240	225
90°	112	69
95°	109	89
105°	113	119
115°	113	112
125°	110	99
135°	106	83
145°	103	65
155°	96	45
165°	79	23
175°	69	7
180°	69	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16681.2
2.5°	16636.0
5°	16613.5
7.5°	16501.4
10°	16308.6
12.5°	16070.6
15°	15706.7
17.5°	15167.4
20°	14503.9
22.5°	13768.3
25°	12896.3
27.5°	11849.8
30°	10700.7
32.5°	9438.8
35°	8242.9
37.5°	7153.8
40°	6212.3
42.5°	5383.8
45°	4574.4
47.5°	3916.9
50°	3086.6
52.5°	2024.5
55°	1558.1
57.5°	1268.9
60°	1004.8
62.5°	811.2
65°	706.1
67.5°	657.5
70°	621.8
72.5°	577.5
75°	519.4
77.5°	453.4
80°	383.0
82.5°	310.9
85°	239.7
87.5°	169.4
90°	112.0
92.5°	106.8
95°	108.6
97.5°	110.3
100°	111.2
102.5°	112.0
105°	112.9
107.5°	112.9
110°	113.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	112.9
115°	112.9
117.5°	112.9
120°	112.0
122.5°	111.2
125°	110.3
127.5°	109.4
130°	108.6
132.5°	107.7
135°	106.0
137.5°	106.0
140°	105.1
142.5°	104.2
145°	103.4
147.5°	103.4
150°	102.5
152.5°	99.9
155°	96.4
157.5°	92.1
160°	88.6
162.5°	84.2
165°	79.0
167.5°	75.6
170°	72.1
172.5°	69.5
175°	68.6
177.5°	68.6
180°	68.6

(END OF REPORT)