

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: P1505564

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (3000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505564
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_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

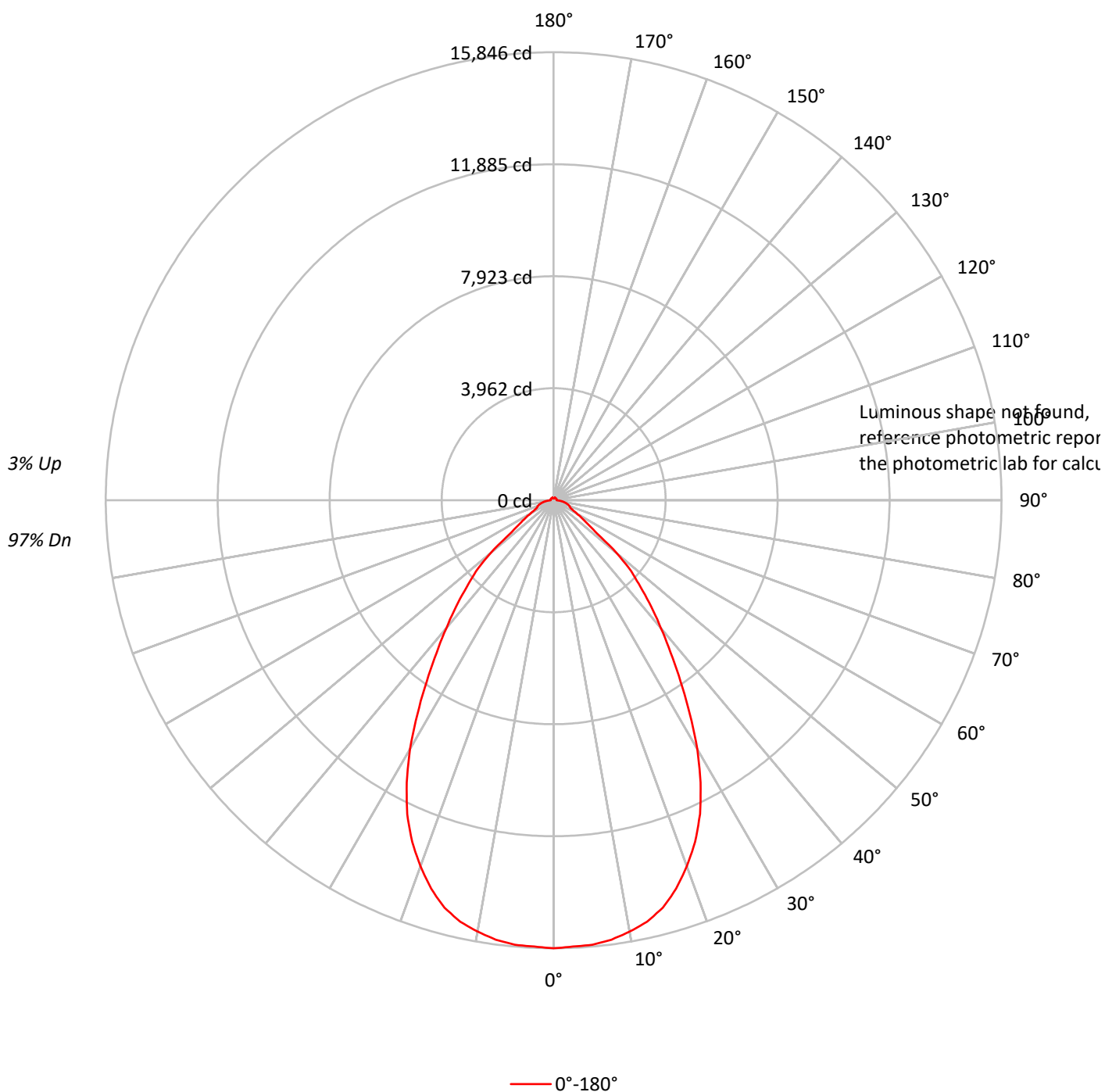
Lumens per Lamp: N/A
Luminaire Lumens: 23089.4 lumens
Efficiency: N/A
Efficacy: 144.9 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.02
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 159.4
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





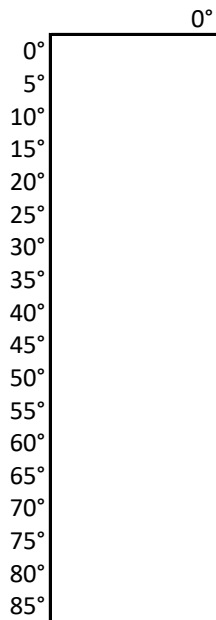
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	1497.0	6.5
10°-20°	4172.6	18.1
20°-30°	5569.7	24.1
30°-40°	4914.1	21.3
40°-50°	3376.4	14.6
50°-60°	1454.3	6.3
60°-70°	702.2	3.0
70°-80°	514.8	2.2
80°-90°	250.4	1.1
90°-100°	113.3	0.5
100°-110°	113.1	0.5
110°-120°	106.5	0.5
120°-130°	94.0	0.4
130°-140°	78.5	0.3
140°-150°	61.9	0.3
150°-160°	42.4	0.2
160°-170°	21.7	0.1
170°-180°	6.3	0.0
0°-30°	11239.4	48.7
0°-40°	16153.5	70.0
0°-60°	20984.1	90.9
0°-90°	22451.6	97.2
90°-120°	333.0	1.4
90°-150°	567.4	2.5
90°-180°	638.0	2.8
0°-180°	23089.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15846	
5°	15782	###
15°	14920	4173
25°	12250	5570
35°	7830	4914
45°	4345	3376
55°	1480	1454
65°	671	702
75°	493	515
85°	228	214
90°	106	65
95°	103	85
105°	107	113
115°	107	107
125°	105	94
135°	101	78
145°	98	62
155°	92	42
165°	75	22
175°	65	6
180°	65	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15845.8
2.5°	15802.9
5°	15781.5
7.5°	15675.1
10°	15491.9
12.5°	15265.9
15°	14920.2
17.5°	14407.9
20°	13777.6
22.5°	13078.8
25°	12250.5
27.5°	11256.3
30°	10164.9
32.5°	8966.1
35°	7830.1
37.5°	6795.6
40°	5901.2
42.5°	5114.2
45°	4345.3
47.5°	3720.8
50°	2932.1
52.5°	1923.1
55°	1480.1
57.5°	1205.3
60°	954.5
62.5°	770.6
65°	670.7
67.5°	624.5
70°	590.7
72.5°	548.6
75°	493.4
77.5°	430.7
80°	363.8
82.5°	295.4
85°	227.7
87.5°	160.9
90°	106.4
92.5°	101.5
95°	103.1
97.5°	104.8
100°	105.6
102.5°	106.4
105°	107.3
107.5°	107.3
110°	108.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	107.3
115°	107.3
117.5°	107.3
120°	106.4
122.5°	105.6
125°	104.8
127.5°	104.0
130°	103.1
132.5°	102.3
135°	100.7
137.5°	100.7
140°	99.8
142.5°	99.0
145°	98.2
147.5°	98.2
150°	97.4
152.5°	94.9
155°	91.6
157.5°	87.5
160°	84.2
162.5°	80.0
165°	75.1
167.5°	71.8
170°	68.5
172.5°	66.0
175°	65.2
177.5°	65.2
180°	65.2

(END OF REPORT)