

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: P1505582

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (4000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505582
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 (4000K_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

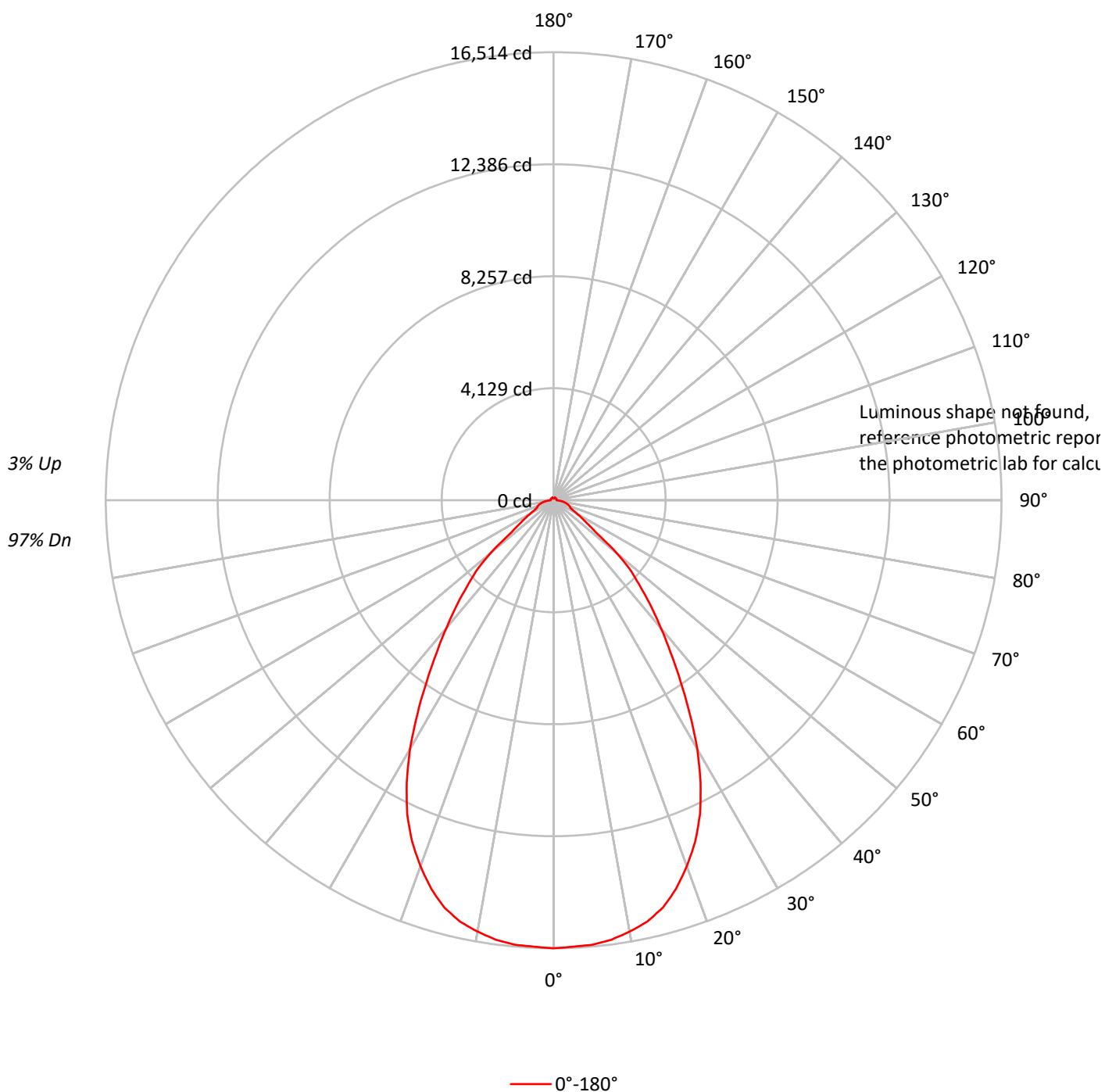
Lumens per Lamp: N/A
Luminaire Lumens: 24063.5 lumens
Efficiency: N/A
Efficacy: 154.6 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.02
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 155.7
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





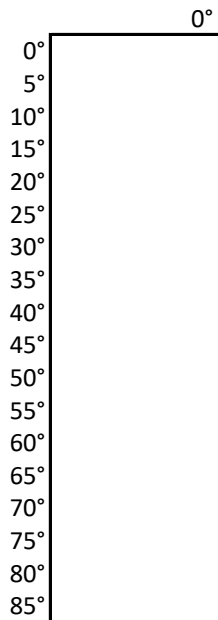
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	1560.2	6.5
10°-20°	4348.7	18.1
20°-30°	5804.8	24.1
30°-40°	5121.4	21.3
40°-50°	3518.8	14.6
50°-60°	1515.7	6.3
60°-70°	731.9	3.0
70°-80°	536.5	2.2
80°-90°	260.9	1.1
90°-100°	118.1	0.5
100°-110°	117.9	0.5
110°-120°	111.0	0.5
120°-130°	98.0	0.4
130°-140°	81.8	0.3
140°-150°	64.5	0.3
150°-160°	44.2	0.2
160°-170°	22.6	0.1
170°-180°	6.6	0.0
0°-30°	11713.6	48.7
0°-40°	16835.1	70.0
0°-60°	21869.6	90.9
0°-90°	23398.9	97.2
90°-120°	347.0	1.4
90°-150°	591.3	2.5
90°-180°	665.0	2.8
0°-180°	24063.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16514	
5°	16447	###
15°	15550	4349
25°	12767	5805
35°	8160	5121
45°	4529	3519
55°	1542	1516
65°	699	732
75°	514	537
85°	237	223
90°	111	68
95°	108	88
105°	112	118
115°	112	111
125°	109	98
135°	105	82
145°	102	65
155°	95	44
165°	78	23
175°	68	7
180°	68	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16514.5
2.5°	16469.8
5°	16447.4
7.5°	16336.5
10°	16145.6
12.5°	15910.0
15°	15549.8
17.5°	15015.8
20°	14358.9
22.5°	13630.7
25°	12767.4
27.5°	11731.3
30°	10593.8
32.5°	9344.5
35°	8160.5
37.5°	7082.3
40°	6150.3
42.5°	5330.0
45°	4528.6
47.5°	3877.8
50°	3055.8
52.5°	2004.2
55°	1542.5
57.5°	1256.2
60°	994.8
62.5°	803.1
65°	699.0
67.5°	650.9
70°	615.6
72.5°	571.8
75°	514.2
77.5°	448.8
80°	379.2
82.5°	307.8
85°	237.3
87.5°	167.7
90°	110.9
92.5°	105.8
95°	107.5
97.5°	109.2
100°	110.1
102.5°	110.9
105°	111.8
107.5°	111.8
110°	112.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	111.8
115°	111.8
117.5°	111.8
120°	110.9
122.5°	110.1
125°	109.2
127.5°	108.3
130°	107.5
132.5°	106.6
135°	104.9
137.5°	104.9
140°	104.0
142.5°	103.2
145°	102.3
147.5°	102.3
150°	101.5
152.5°	98.9
155°	95.4
157.5°	91.1
160°	87.7
162.5°	83.4
165°	78.2
167.5°	74.8
170°	71.4
172.5°	68.8
175°	67.9
177.5°	67.9
180°	67.9

(END OF REPORT)