

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: P1505600

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (6500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505600
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_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

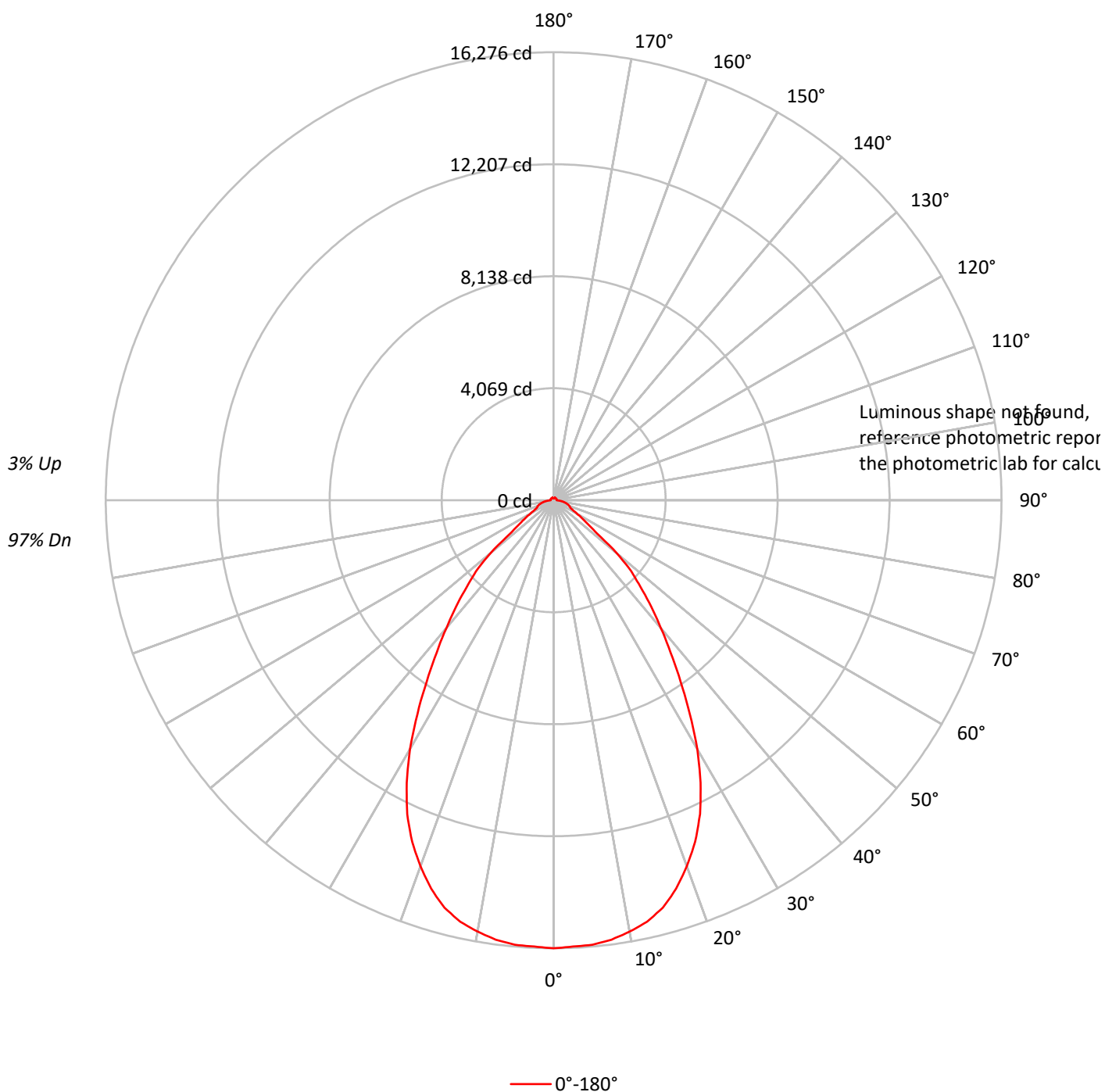
Lumens per Lamp: N/A
Luminaire Lumens: 23716.3 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.02
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 159.8
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





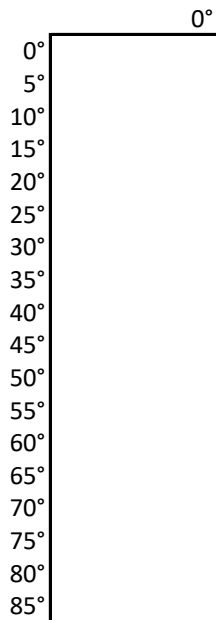
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	1537.7	6.5
10°-20°	4285.9	18.1
20°-30°	5721.0	24.1
30°-40°	5047.5	21.3
40°-50°	3468.0	14.6
50°-60°	1493.8	6.3
60°-70°	721.3	3.0
70°-80°	528.8	2.2
80°-90°	257.1	1.1
90°-100°	116.4	0.5
100°-110°	116.2	0.5
110°-120°	109.4	0.5
120°-130°	96.6	0.4
130°-140°	80.6	0.3
140°-150°	63.6	0.3
150°-160°	43.5	0.2
160°-170°	22.3	0.1
170°-180°	6.5	0.0
0°-30°	11544.7	48.7
0°-40°	16592.2	70.0
0°-60°	21554.1	90.9
0°-90°	23061.3	97.2
90°-120°	342.0	1.4
90°-150°	582.7	2.5
90°-180°	655.0	2.8
0°-180°	23716.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16276	
5°	16210	###
15°	15325	4286
25°	12583	5721
35°	8043	5048
45°	4463	3468
55°	1520	1494
65°	689	721
75°	507	529
85°	234	220
90°	109	67
95°	106	87
105°	110	116
115°	110	109
125°	108	97
135°	103	81
145°	101	64
155°	94	44
165°	77	22
175°	67	6
180°	67	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16276.2
2.5°	16232.1
5°	16210.1
7.5°	16100.8
10°	15912.7
12.5°	15680.5
15°	15325.4
17.5°	14799.2
20°	14151.8
22.5°	13434.0
25°	12583.2
27.5°	11562.1
30°	10440.9
32.5°	9209.7
35°	8042.8
37.5°	6980.1
40°	6061.5
42.5°	5253.1
45°	4463.3
47.5°	3821.8
50°	3011.7
52.5°	1975.3
55°	1520.3
57.5°	1238.1
60°	980.5
62.5°	791.5
65°	688.9
67.5°	641.5
70°	606.7
72.5°	563.5
75°	506.8
77.5°	442.3
80°	373.7
82.5°	303.4
85°	233.9
87.5°	165.2
90°	109.3
92.5°	104.2
95°	105.9
97.5°	107.6
100°	108.5
102.5°	109.3
105°	110.2
107.5°	110.2
110°	111.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	110.2
115°	110.2
117.5°	110.2
120°	109.3
122.5°	108.5
125°	107.6
127.5°	106.8
130°	105.9
132.5°	105.1
135°	103.4
137.5°	103.4
140°	102.5
142.5°	101.7
145°	100.8
147.5°	100.8
150°	100.0
152.5°	97.5
155°	94.1
157.5°	89.8
160°	86.4
162.5°	82.2
165°	77.1
167.5°	73.7
170°	70.3
172.5°	67.8
175°	66.9
177.5°	66.9
180°	66.9

(END OF REPORT)