

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: P1505610

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (3000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505610
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-123)
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-WHGL-PS (3000K_L24_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

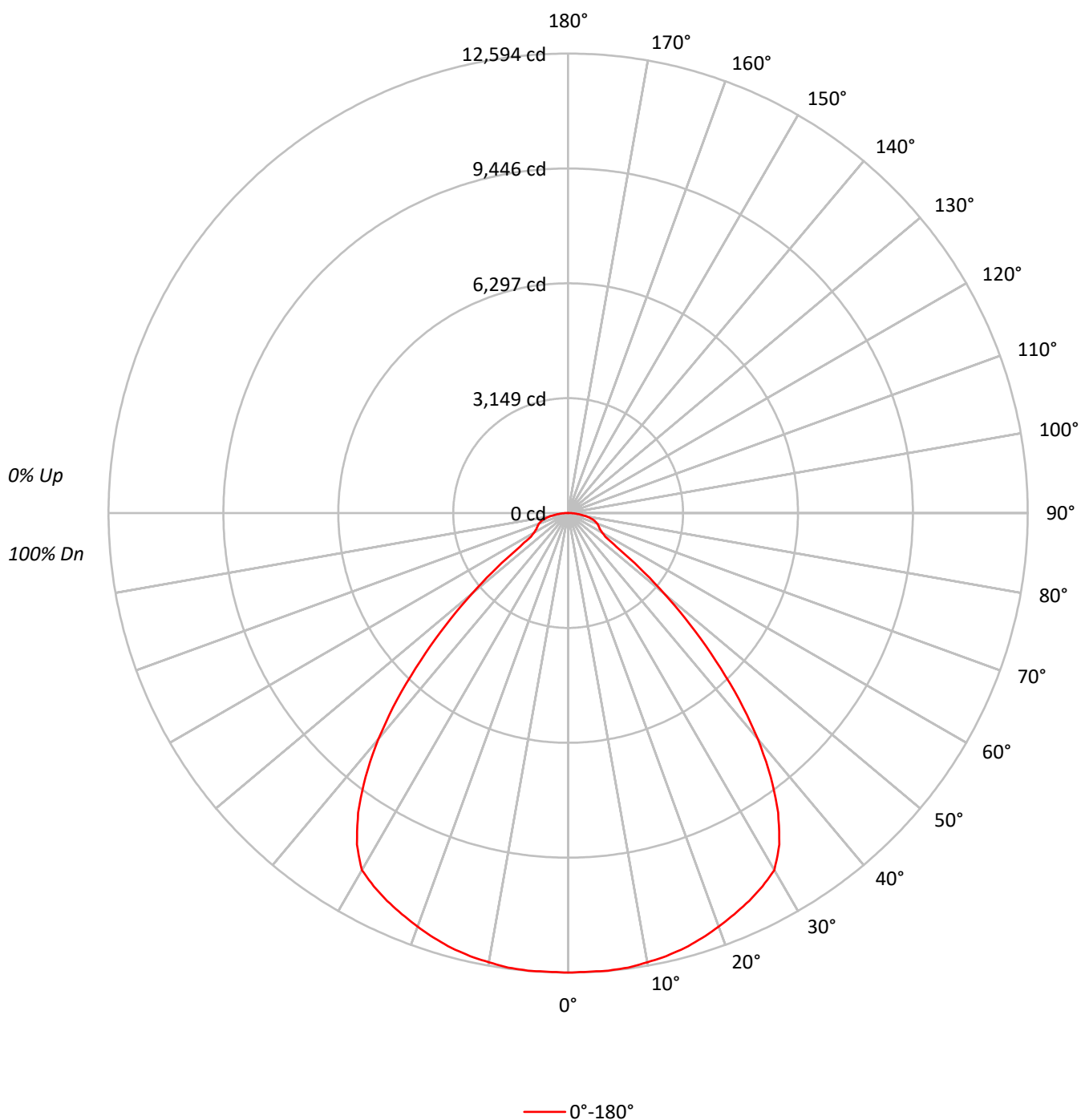
Lumens per Lamp: N/A
Luminaire Lumens: 24280.3 lumens
Efficiency: N/A
Efficacy: 152.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.25
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89		
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78		
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	64	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55		
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50		
7	73	61	53	48	71	60	53	48	59	52	48	57	52	47	56	51	47	45		
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41		
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	38		
10	60	48	41	36	59	48	41	36	47	41	36	46	40	36	45	40	36	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	80236
5°	80517
10°	80892
15°	81401
20°	81766
25°	82464
30°	83138
35°	78001
40°	67270
45°	51506
50°	34173
55°	17879
60°	13792
65°	14166
70°	15845
75°	17426
80°	18040
85°	17252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51506 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1199.0	4.9
10°-20°	3485.3	14.4
20°-30°	5410.5	22.3
30°-40°	6182.4	25.5
40°-50°	4398.7	18.1
50°-60°	1669.3	6.9
60°-70°	940.7	3.9
70°-80°	733.0	3.0
80°-90°	261.5	1.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	10094.8	41.6
0°-40°	16277.2	67.0
0°-60°	22345.1	92.0
0°-90°	24280.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24280.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12594	
5°	12590	###
15°	12341	3485
25°	11731	5411
35°	10029	6182
45°	5716	4399
55°	1610	1669
65°	940	941
75°	708	733
85°	236	262
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12593.7
2.5°	12582.1
5°	12589.6
7.5°	12564.8
10°	12503.8
12.5°	12435.3
15°	12341.2
17.5°	12213.4
20°	12059.9
22.5°	11901.5
25°	11730.7
27.5°	11531.9
30°	11300.9
32.5°	10770.4
35°	10028.7
37.5°	9124.5
40°	8088.3
42.5°	6936.6
45°	5716.4
47.5°	4554.0
50°	3447.7
52.5°	2449.4
55°	1609.6
57.5°	1211.1
60°	1082.4
62.5°	993.3
65°	939.7
67.5°	896.8
70°	850.6
72.5°	787.9
75°	707.9
77.5°	609.7
80°	491.7
82.5°	364.7
85°	236.0
87.5°	114.7
90°	0.0

(END OF REPORT)