

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: P1505635

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (5000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505635
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-122)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: Pentalux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (5000K_L24_Medium_120V)
Description: Pentalux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

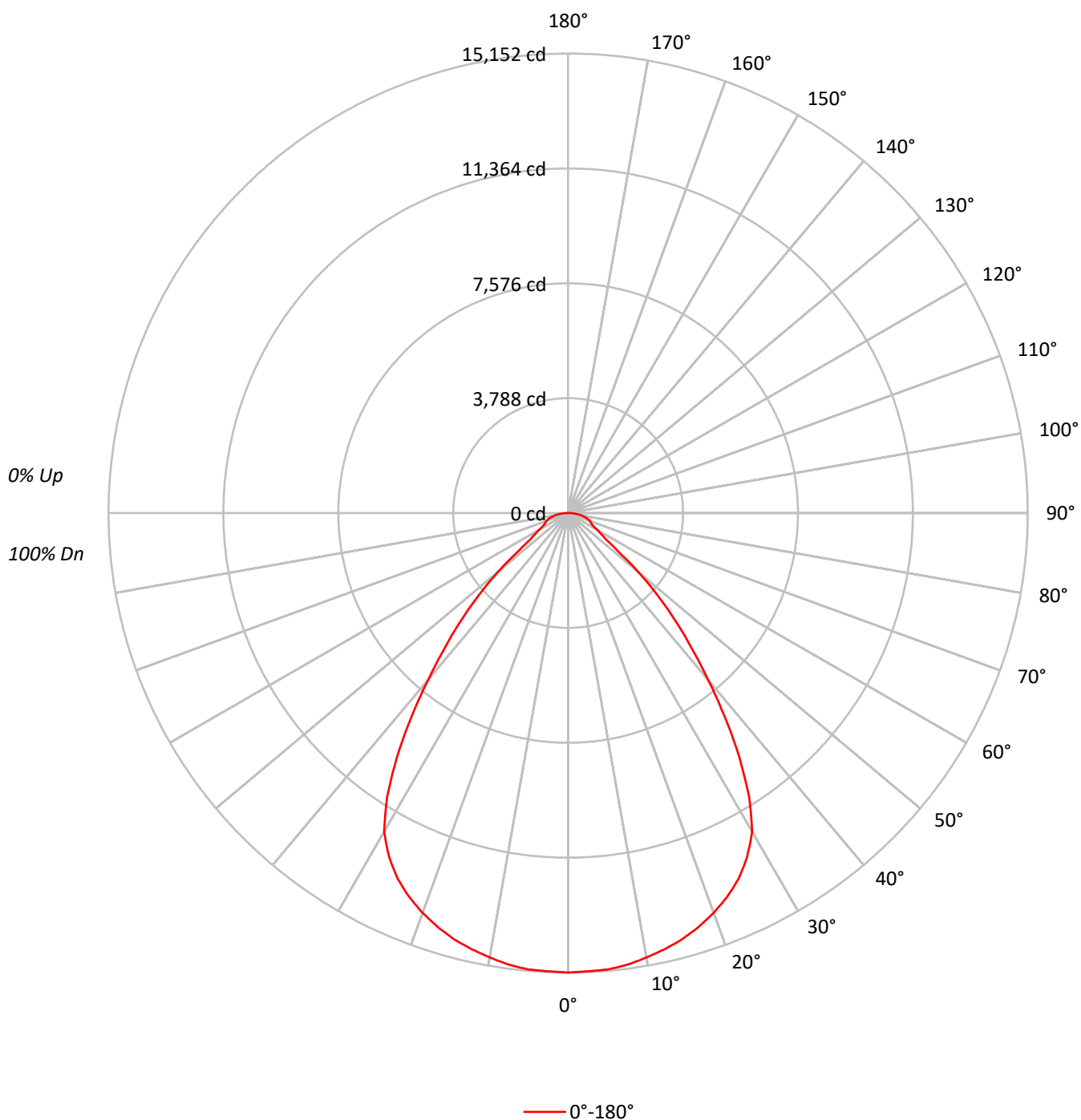
Lumens per Lamp: N/A
Luminaire Lumens: 24847.7 lumens
Efficiency: N/A
Efficacy: 158.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89		
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	77	72	67	75	70	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	56	78	67	60	55	66	60	55	64	59	54	63	58	54	52		
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48		
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	96534
5°	96608
10°	96248
15°	95946
20°	95116
25°	93497
30°	89240
35°	76560
40°	59635
45°	44690
50°	29965
55°	16940
60°	14055
65°	12883
70°	14140
75°	15287
80°	16030
85°	16126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44690 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1434.5	5.8
10°-20°	4100.6	16.5
20°-30°	6091.2	24.5
30°-40°	6077.9	24.5
40°-50°	3834.6	15.4
50°-60°	1547.9	6.2
60°-70°	874.7	3.5
70°-80°	646.9	2.6
80°-90°	239.3	1.0
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°	11626.4	46.8
0°-40°	17704.3	71.3
0°-60°	23086.8	92.9
0°-90°	24847.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24847.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15152	
5°	15106	###
15°	14546	4101
25°	13300	6091
35°	9844	6078
45°	4960	3835
55°	1525	1548
65°	855	875
75°	621	647
85°	221	239
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	15151.8
2.5°	15122.2
5°	15105.7
7.5°	15022.4
10°	14877.3
12.5°	14728.8
15°	14546.4
17.5°	14307.6
20°	14028.8
22.5°	13697.9
25°	13300.1
27.5°	12780.8
30°	12130.3
32.5°	11104.6
35°	9843.5
37.5°	8496.5
40°	7170.3
42.5°	5994.4
45°	4960.0
47.5°	3978.6
50°	3023.2
52.5°	2088.7
55°	1525.1
57.5°	1293.2
60°	1103.0
62.5°	943.2
65°	854.6
67.5°	804.2
70°	759.1
72.5°	698.3
75°	621.0
77.5°	533.3
80°	436.9
82.5°	331.8
85°	220.6
87.5°	108.6
90°	0.0

(END OF REPORT)