

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: P1505461

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (5000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505461
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-98)
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-04-WHGL-PS (5000K_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

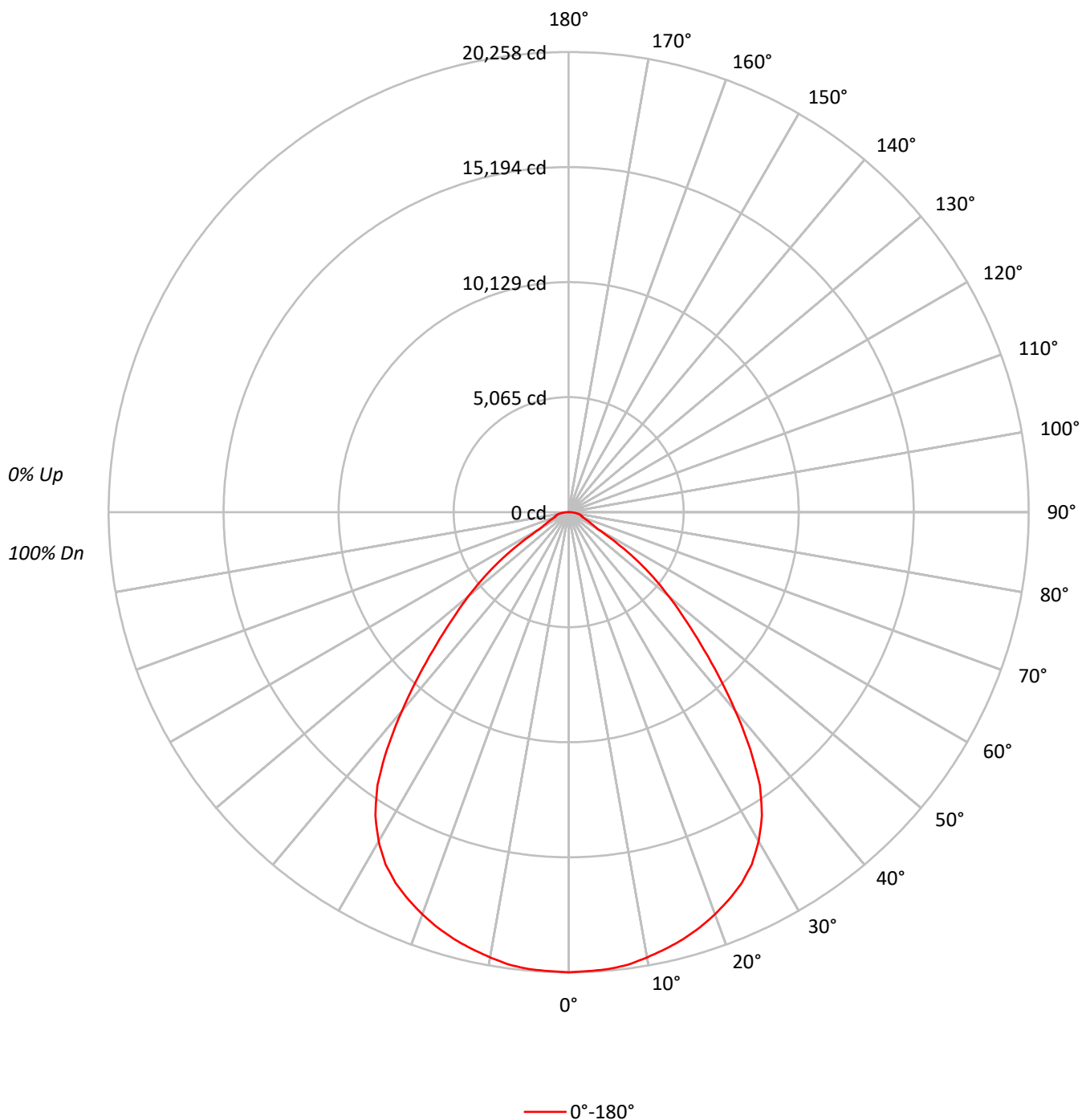
Lumens per Lamp: N/A
Luminaire Lumens: 36113.1 lumens
Efficiency: N/A
Efficacy: 154.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.19
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 233.3
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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90		
2	104	98	92	88	102	96	91	87	93	89	85	89	86	83	87	84	81	80		
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63		
5	84	74	66	61	82	73	66	60	71	64	60	69	63	59	67	62	59	57		
6	79	67	60	54	77	66	59	54	65	59	54	63	58	53	62	57	53	51		
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46		
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42		
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39		
10	61	49	42	38	60	49	42	37	48	42	37	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	145088
5°	145160
10°	144726
15°	144297
20°	143581
25°	142397
30°	138412
35°	128339
40°	106745
45°	83164
50°	64164
55°	44443
60°	20946
65°	16424
70°	14084
75°	15842
80°	18325
85°	20560

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 83164 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1918.3	5.3
10°-20°	5491.1	15.2
20°-30°	8272.5	22.9
30°-40°	8999.4	24.9
40°-50°	6414.0	17.8
50°-60°	3167.7	8.8
60°-70°	990.5	2.7
70°-80°	599.2	1.7
80°-90°	260.5	0.7
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°	15681.9	43.4
0°-40°	24681.3	68.3
0°-60°	34263.0	94.9
0°-90°	36113.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	36113.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20258	
5°	20191	###
15°	19461	5491
25°	18020	8272
35°	14679	8999
45°	8211	6414
55°	3559	3168
65°	969	991
75°	572	599
85°	250	260
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	20258.4
2.5°	20218.2
5°	20191.3
7.5°	20092.4
10°	19900.8
12.5°	19695.7
15°	19461.4
17.5°	19173.3
20°	18838.9
22.5°	18454.4
25°	18019.8
27.5°	17466.9
30°	16737.0
32.5°	15836.2
35°	14679.0
37.5°	13127.6
40°	11417.6
42.5°	9749.0
45°	8211.0
47.5°	6890.3
50°	5758.8
52.5°	4671.3
55°	3559.3
57.5°	2448.5
60°	1462.3
62.5°	1182.8
65°	969.2
67.5°	792.2
70°	672.6
72.5°	617.6
75°	572.5
77.5°	520.0
80°	444.3
82.5°	354.0
85°	250.2
87.5°	130.6
90°	0.0

(END OF REPORT)