

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: P1505436

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (3000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505436
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-99)
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 (3000K_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

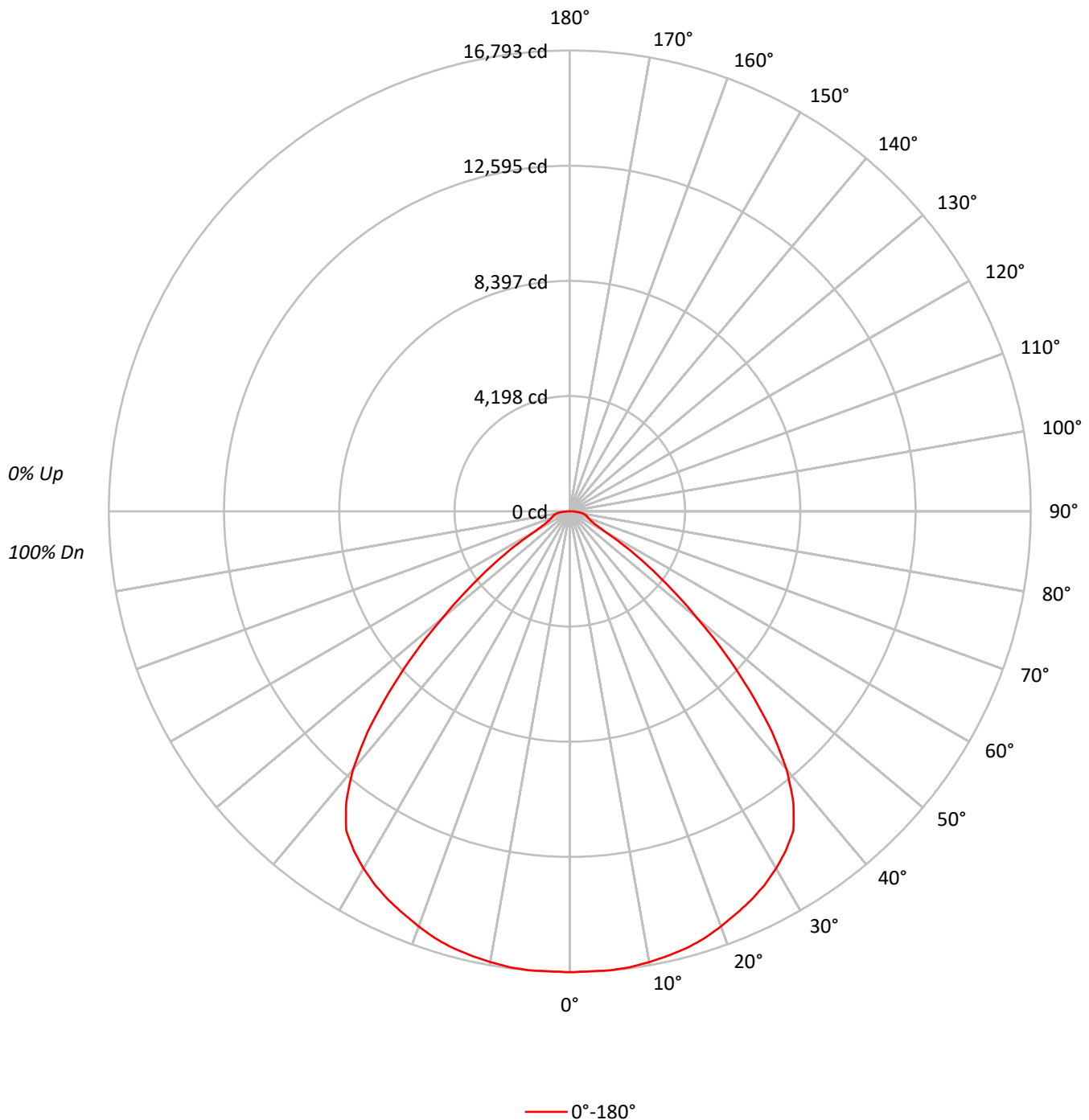
Lumens per Lamp: N/A
Luminaire Lumens: 34388.1 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 237.6
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89		89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79		79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70		70
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	62		62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55		55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49		49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	44		44
8	68	55	48	43	66	55	48	43	54	47	42	52	46	42	51	46	42	40		40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37		37
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33		33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120269
5°	120688
10°	121291
15°	122148
20°	122671
25°	123504
30°	124248
35°	124167
40°	114860
45°	94064
50°	67602
55°	43843
60°	21029
65°	15074
70°	14823
75°	17328
80°	20774
85°	23863

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 94064 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1599.0	4.6
10°-20°	4652.1	13.5
20°-30°	7207.4	21.0
30°-40°	8744.4	25.4
40°-50°	7101.6	20.7
50°-60°	3191.5	9.3
60°-70°	938.3	2.7
70°-80°	653.9	1.9
80°-90°	299.8	0.9
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°	13458.6	39.1
0°-40°	22203.0	64.6
0°-60°	32496.0	94.5
0°-90°	34388.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34388.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16793	
5°	16787	###
15°	16474	4652
25°	15629	7207
35°	14202	8744
45°	9287	7102
55°	3511	3191
65°	890	938
75°	626	654
85°	290	300
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16793.0
2.5°	16778.3
5°	16787.3
7.5°	16757.8
10°	16678.4
12.5°	16586.5
15°	16474.2
17.5°	16314.2
20°	16095.3
22.5°	15865.0
25°	15629.0
27.5°	15354.4
30°	15024.3
32.5°	14649.9
35°	14201.8
37.5°	13379.3
40°	12285.6
42.5°	10897.0
45°	9287.1
47.5°	7663.6
50°	6067.4
52.5°	4690.1
55°	3511.3
57.5°	2434.7
60°	1468.1
62.5°	1042.6
65°	889.5
67.5°	778.3
70°	707.9
72.5°	667.1
75°	626.2
77.5°	576.3
80°	503.7
82.5°	411.8
85°	290.4
87.5°	147.5
90°	0.0

(END OF REPORT)