

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: P1505508

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (5000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505508
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-117)
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-BLAK-PS (5000K_L36_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

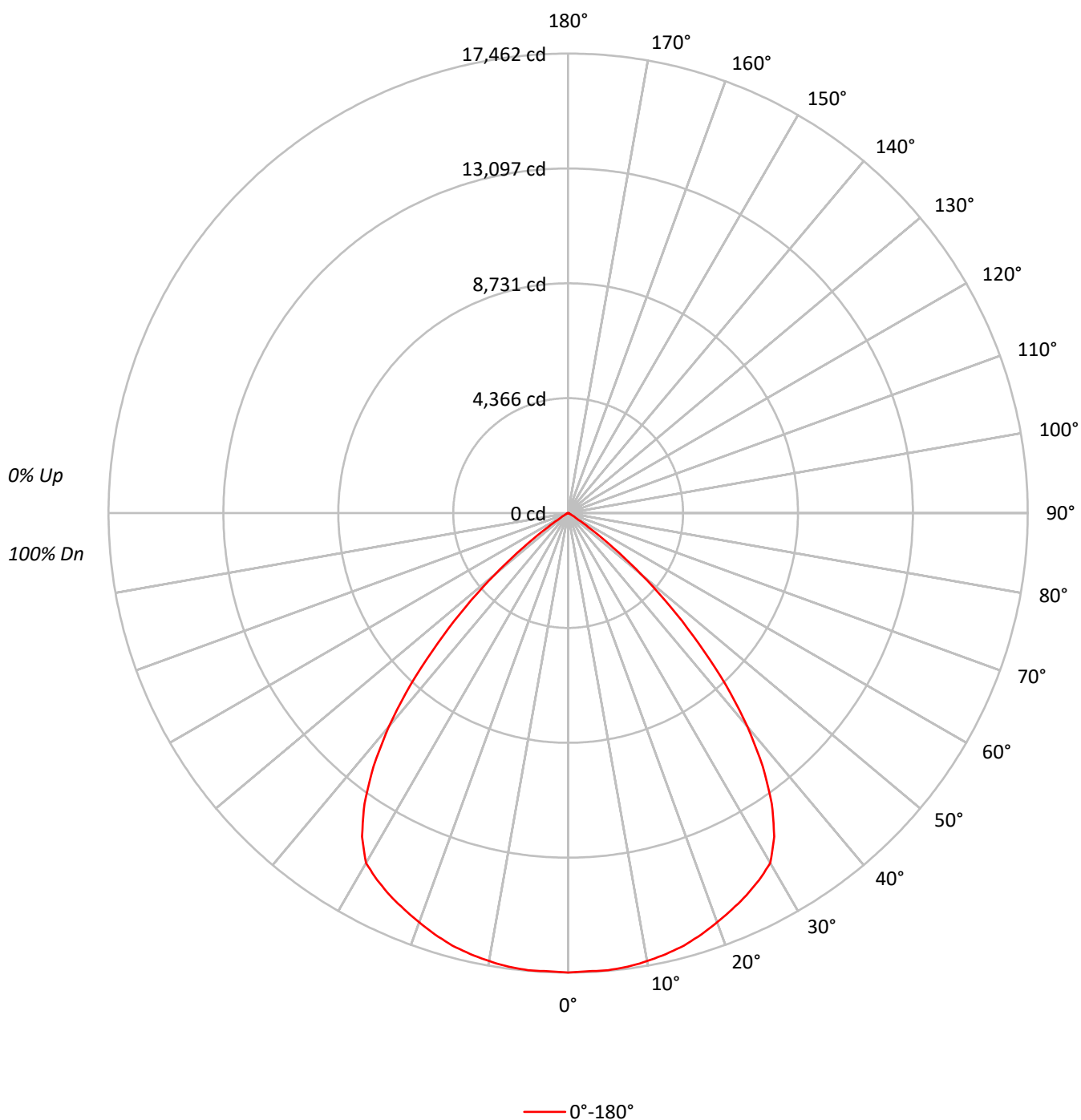
Lumens per Lamp: N/A
Luminaire Lumens: 28866.2 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.22
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	91	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61		
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56		
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51		
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46		
9	67	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43		
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	111253
5°	111538
10°	111856
15°	112231
20°	112203
25°	112672
30°	112974
35°	104885
40°	88086
45°	63172
50°	36053
55°	10358
60°	2659
65°	1141
70°	931
75°	992
80°	1031
85°	980

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63172 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1659.8	5.7
10°-20°	4801.0	16.6
20°-30°	7388.8	25.6
30°-40°	8292.5	28.7
40°-50°	5397.5	18.7
50°-60°	1175.4	4.1
60°-70°	94.2	0.3
70°-80°	41.9	0.1
80°-90°	15.1	0.1
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°	13849.6	48.0
0°-40°	22142.1	76.7
0°-60°	28715.0	99.5
0°-90°	28866.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28866.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17462	
5°	17440	###
15°	17015	4801
25°	16028	7389
35°	13485	8293
45°	7011	5398
55°	932	1175
65°	76	94
75°	40	42
85°	13	15
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17462.0
2.5°	17429.1
5°	17440.1
7.5°	17390.0
10°	17289.9
12.5°	17164.2
15°	17015.3
17.5°	16798.0
20°	16549.0
22.5°	16295.1
25°	16027.8
27.5°	15715.3
30°	15356.5
32.5°	14572.8
35°	13485.3
37.5°	12143.8
40°	10591.2
42.5°	8864.1
45°	7011.2
47.5°	5273.0
50°	3637.4
52.5°	2158.0
55°	932.5
57.5°	361.3
60°	208.7
62.5°	120.8
65°	75.7
67.5°	57.4
70°	50.0
72.5°	45.2
75°	40.3
77.5°	34.2
80°	28.1
82.5°	20.8
85°	13.4
87.5°	7.3
90°	0.0

(END OF REPORT)