

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: P1504941

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504941
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-81)
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-A-04-BLAK-PS (3000K_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

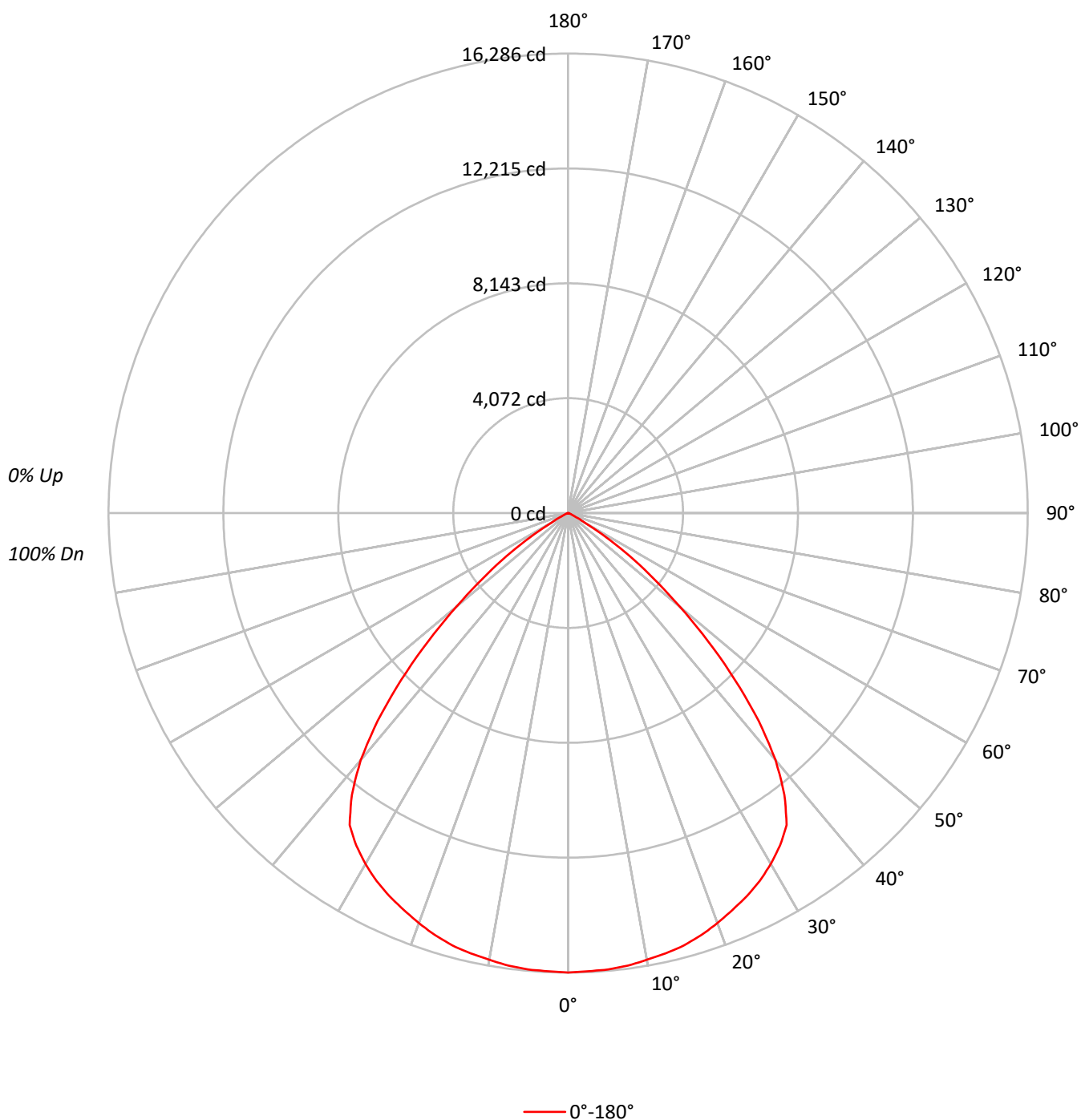
Lumens per Lamp: N/A
Luminaire Lumens: 30314.0 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.29
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

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				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	109	106	103	110	107	104	102	103	100	99	99	97	96	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81		
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73		
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65		
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48		
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39		
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	119500
5°	119614
10°	119771
15°	120509
20°	120764
25°	121299
30°	121693
35°	120903
40°	109506
45°	86742
50°	58848
55°	34164
60°	10123
65°	3269
70°	1120
75°	675
80°	816
85°	1052

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 86742 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1544.9	5.1
10°-20°	4477.3	14.8
20°-30°	6907.3	22.8
30°-40°	8280.9	27.3
40°-50°	6390.7	21.1
50°-60°	2431.0	8.0
60°-70°	239.7	0.8
70°-80°	29.8	0.1
80°-90°	12.5	0.0
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°	12929.5	42.7
0°-40°	21210.3	70.0
0°-60°	30032.0	99.1
0°-90°	30314.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30314.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16286	
5°	16239	###
15°	15864	4477
25°	14982	6907
35°	13497	8281
45°	8359	6391
55°	2671	2431
65°	188	240
75°	24	30
85°	12	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16285.9
2.5°	16253.0
5°	16239.4
7.5°	16179.2
10°	16074.9
12.5°	15981.8
15°	15863.8
17.5°	15685.7
20°	15465.6
22.5°	15221.7
25°	14982.3
27.5°	14699.8
30°	14362.9
32.5°	13969.2
35°	13497.3
37.5°	12586.2
40°	11432.4
42.5°	9988.2
45°	8359.1
47.5°	6715.2
50°	5155.2
52.5°	3822.2
55°	2670.6
57.5°	1594.0
60°	689.8
62.5°	317.7
65°	188.3
67.5°	103.2
70°	52.2
72.5°	31.8
75°	23.8
77.5°	21.6
80°	19.3
82.5°	17.0
85°	12.5
87.5°	6.8
90°	0.0

(END OF REPORT)