

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: P1504977

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (6500K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504977
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 (6500K_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

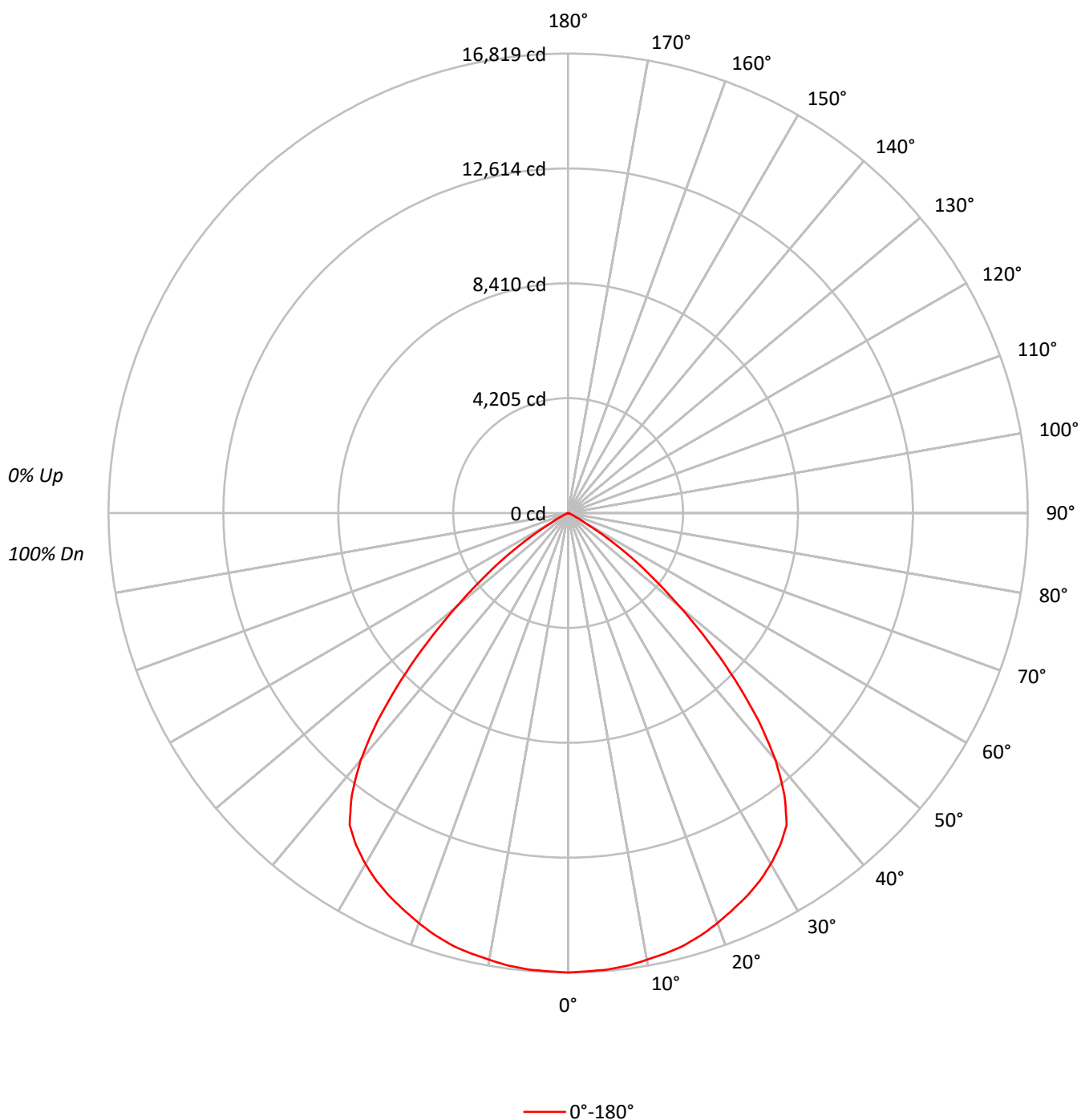
Lumens per Lamp: N/A
Luminaire Lumens: 31306.6 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.29
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 239.6
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°	123413
5°	123530
10°	123692
15°	124455
20°	124719
25°	125271
30°	125678
35°	124861
40°	113092
45°	89582
50°	60775
55°	35284
60°	10455
65°	3377
70°	1156
75°	697
80°	841
85°	1086

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 89582 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1595.4	5.1
10°-20°	4623.9	14.8
20°-30°	7133.5	22.8
30°-40°	8552.0	27.3
40°-50°	6600.0	21.1
50°-60°	2510.6	8.0
60°-70°	247.6	0.8
70°-80°	30.7	0.1
80°-90°	12.9	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°	13352.8	42.7
0°-40°	21904.9	70.0
0°-60°	31015.4	99.1
0°-90°	31306.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31306.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16819	
5°	16771	###
15°	16383	4624
25°	15473	7133
35°	13939	8552
45°	8633	6600
55°	2758	2511
65°	194	248
75°	25	31
85°	13	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16819.2
2.5°	16785.2
5°	16771.1
7.5°	16709.0
10°	16601.2
12.5°	16505.2
15°	16383.3
17.5°	16199.4
20°	15972.1
22.5°	15720.1
25°	15472.9
27.5°	15181.2
30°	14833.2
32.5°	14426.6
35°	13939.2
37.5°	12998.4
40°	11806.8
42.5°	10315.3
45°	8632.8
47.5°	6935.0
50°	5324.0
52.5°	3947.3
55°	2758.1
57.5°	1646.2
60°	712.4
62.5°	328.1
65°	194.5
67.5°	106.6
70°	53.9
72.5°	32.8
75°	24.6
77.5°	22.3
80°	19.9
82.5°	17.6
85°	12.9
87.5°	7.0
90°	0.0

(END OF REPORT)