

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: P1505316

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (4000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505316
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-93)
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-BLAK-PS (4000K_L32_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

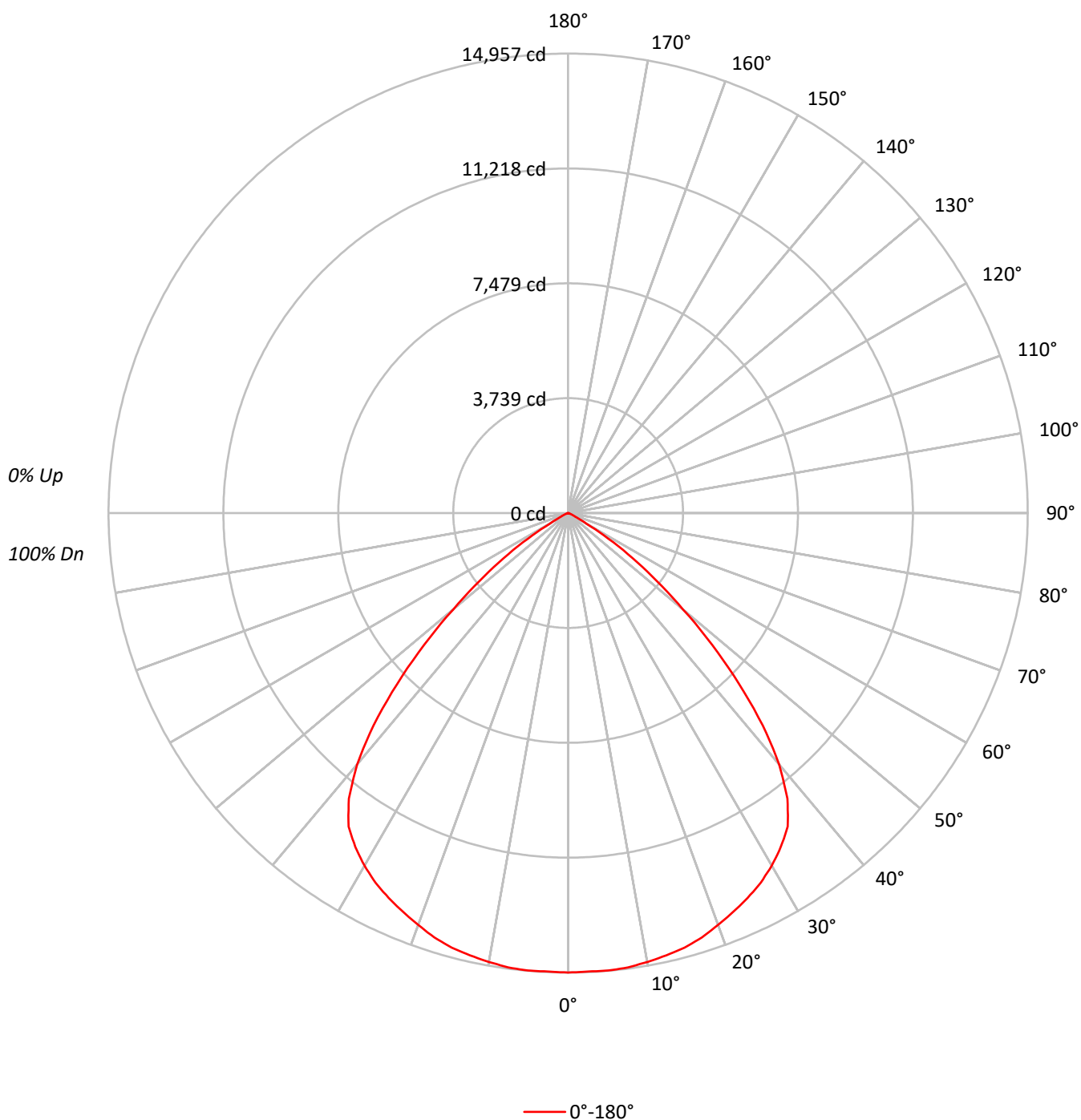
Lumens per Lamp: N/A
Luminaire Lumens: 28211.8 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 194.3
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	109	106	103	110	107	104	102	103	100	98	99	97	96	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81		
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73		
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65		
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	79	68	61	56	78	67	60	55	66	60	55	64	59	55	63	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	38	47	42	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	107122
5°	107464
10°	107893
15°	108568
20°	108715
25°	109225
30°	109602
35°	108946
40°	99943
45°	79749
50°	54522
55°	31966
60°	9703
65°	3066
70°	1051
75°	636
80°	775
85°	945

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 79749 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1423.3	5.0
10°-20°	4132.2	14.6
20°-30°	6373.6	22.6
30°-40°	7670.8	27.2
40°-50°	6016.7	21.3
50°-60°	2325.0	8.2
60°-70°	229.3	0.8
70°-80°	29.2	0.1
80°-90°	11.7	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°	11929.1	42.3
0°-40°	19600.0	69.5
0°-60°	27941.6	99.0
0°-90°	28211.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28211.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14957	
5°	14948	###
15°	14643	4132
25°	13822	6374
35°	12461	7671
45°	7874	6017
55°	2560	2325
65°	181	229
75°	23	29
85°	12	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	14957.3
2.5°	14936.4
5°	14947.9
7.5°	14916.5
10°	14836.0
12.5°	14746.1
15°	14642.6
17.5°	14483.7
20°	14264.2
22.5°	14047.8
25°	13822.0
27.5°	13566.9
30°	13253.3
32.5°	12885.3
35°	12460.9
37.5°	11717.7
40°	10690.0
42.5°	9373.9
45°	7873.8
47.5°	6358.0
50°	4893.4
52.5°	3628.5
55°	2560.1
57.5°	1552.4
60°	677.4
62.5°	294.8
65°	180.9
67.5°	98.3
70°	50.2
72.5°	32.4
75°	23.0
77.5°	20.9
80°	18.8
82.5°	15.7
85°	11.5
87.5°	6.3
90°	0.0

(END OF REPORT)