

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: P1505325

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (5000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505325
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 (5000K_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

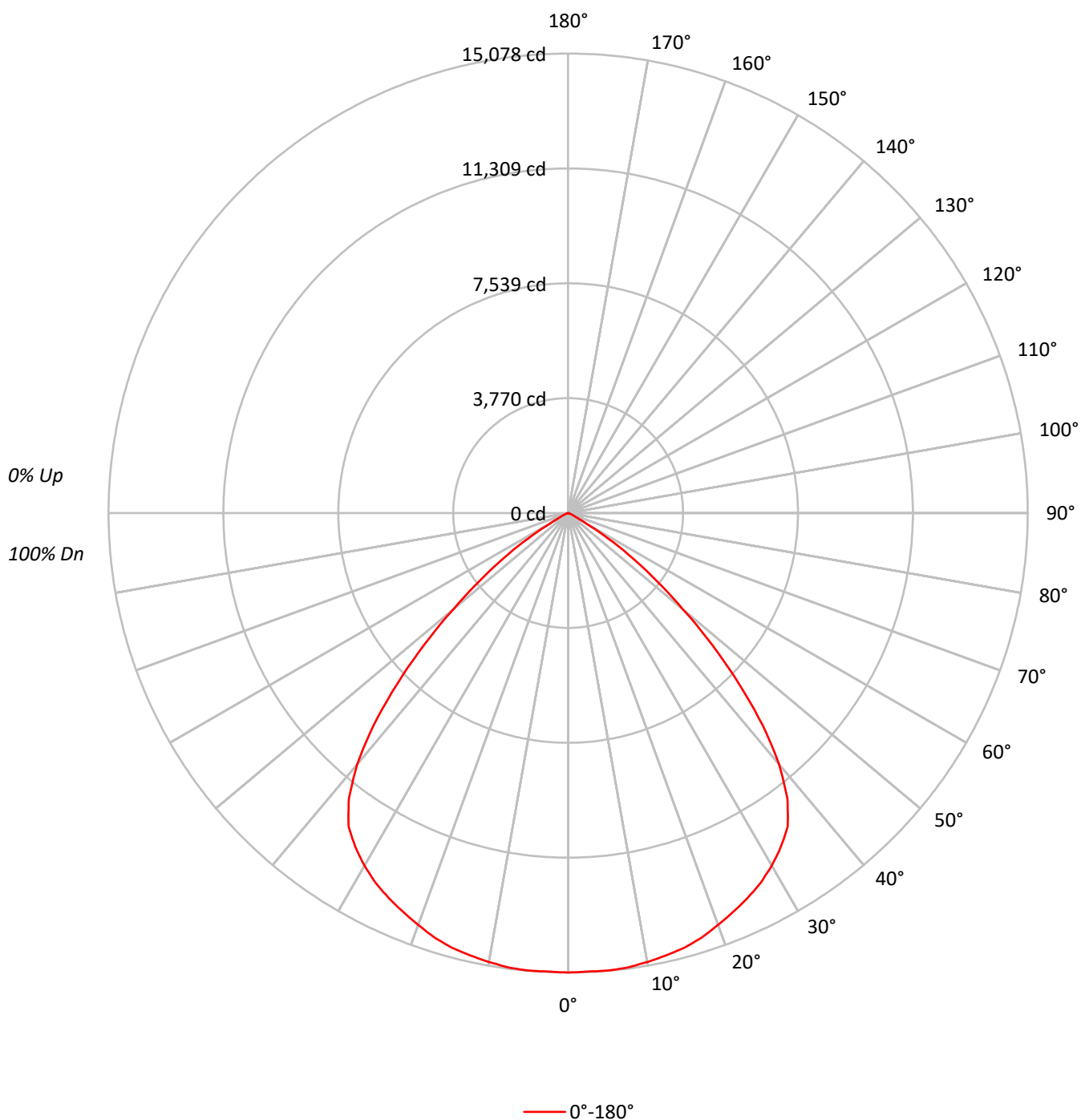
Lumens per Lamp: N/A
Luminaire Lumens: 28439.9 lumens
Efficiency: N/A
Efficacy: 145.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 195.5
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°	107988
5°	108332
10°	108765
15°	109446
20°	109594
25°	110108
30°	110489
35°	109827
40°	100751
45°	80394
50°	54963
55°	32225
60°	9782
65°	3089
70°	1060
75°	642
80°	784
85°	953

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 80394 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1434.8	5.0
10°-20°	4165.6	14.6
20°-30°	6425.1	22.6
30°-40°	7732.9	27.2
40°-50°	6065.3	21.3
50°-60°	2343.8	8.2
60°-70°	231.2	0.8
70°-80°	29.5	0.1
80°-90°	11.8	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°	12025.6	42.3
0°-40°	19758.4	69.5
0°-60°	28167.6	99.0
0°-90°	28439.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28439.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15078	
5°	15069	###
15°	14761	4166
25°	13934	6425
35°	12562	7733
45°	7938	6065
55°	2581	2344
65°	182	231
75°	23	29
85°	12	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	15078.2
2.5°	15057.1
5°	15068.7
7.5°	15037.1
10°	14956.0
12.5°	14865.3
15°	14761.0
17.5°	14600.8
20°	14379.5
22.5°	14161.4
25°	13933.7
27.5°	13676.6
30°	13360.5
32.5°	12989.5
35°	12561.7
37.5°	11812.4
40°	10776.5
42.5°	9449.7
45°	7937.5
47.5°	6409.4
50°	4933.0
52.5°	3657.8
55°	2580.8
57.5°	1564.9
60°	682.9
62.5°	297.2
65°	182.3
67.5°	99.1
70°	50.6
72.5°	32.7
75°	23.2
77.5°	21.1
80°	19.0
82.5°	15.8
85°	11.6
87.5°	6.3
90°	0.0

(END OF REPORT)