

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: P1505298

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505298
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 (3000K_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

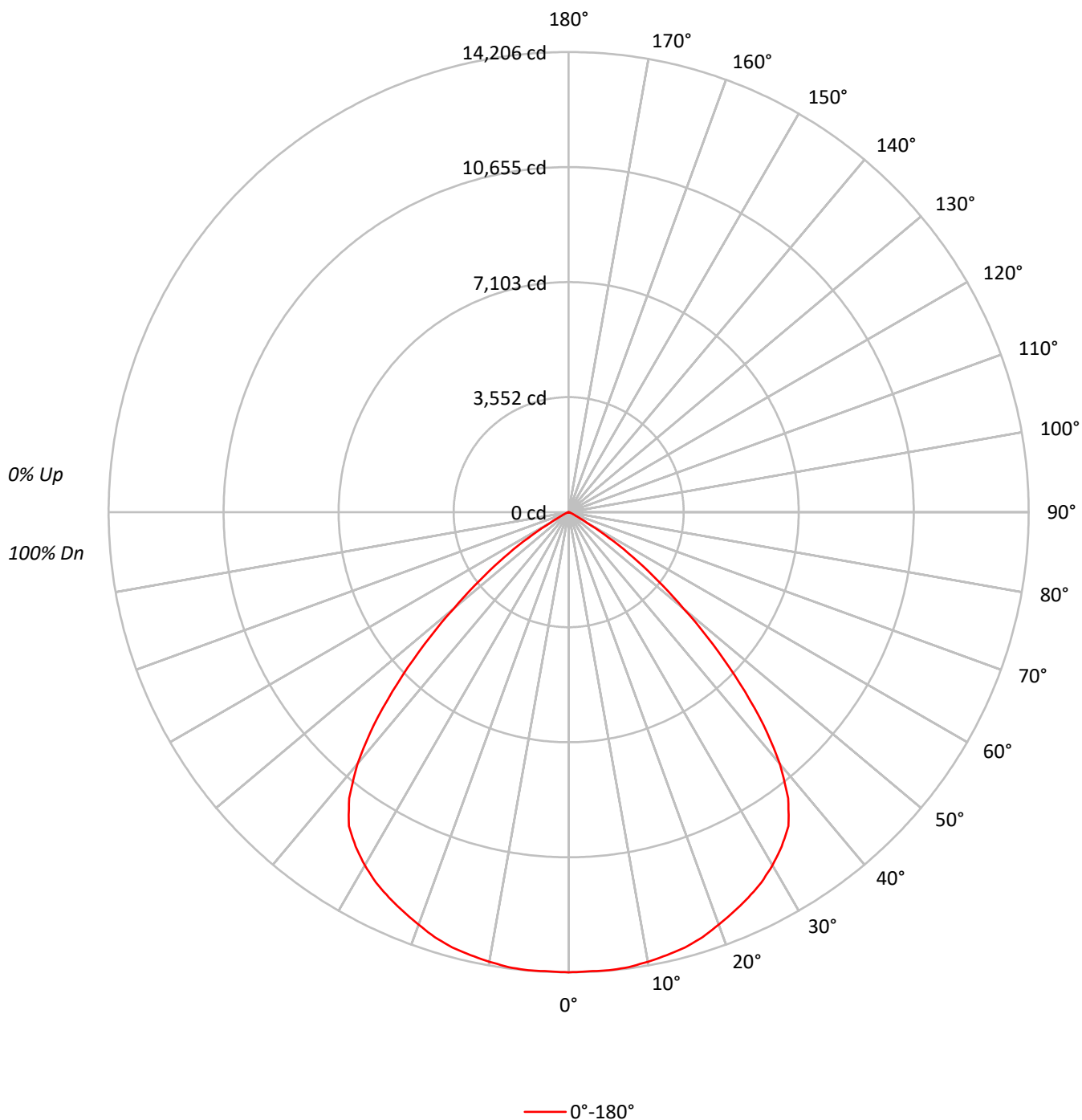
Lumens per Lamp: N/A
Luminaire Lumens: 26795.6 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 199.4
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

TEST NUMBER: P1505298

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3000K_L32_Wide_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1505298

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3000K_L32_Wide_120V)

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°	101745
5°	102069
10°	102476
15°	103118
20°	103257
25°	103742
30°	104101
35°	103477
40°	94926
45°	75745
50°	51785
55°	30362
60°	9216
65°	2911
70°	999
75°	603
80°	738
85°	896

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 75745 cd/sqm

TEST NUMBER: P1505298

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3000K_L32_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1351.8	5.0
10°-20°	3924.8	14.6
20°-30°	6053.6	22.6
30°-40°	7285.8	27.2
40°-50°	5714.6	21.3
50°-60°	2208.3	8.2
60°-70°	217.8	0.8
70°-80°	27.7	0.1
80°-90°	11.1	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°	11330.3	42.3
0°-40°	18616.0	69.5
0°-60°	26539.0	99.0
0°-90°	26795.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26795.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14206	
5°	14198	###
15°	13908	3925
25°	13128	6054
35°	11835	7286
45°	7478	5715
55°	2432	2208
65°	172	218
75°	22	28
85°	11	11
90°	0	

TEST NUMBER: P1505298

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3000K_L32_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	14206.4
2.5°	14186.6
5°	14197.5
7.5°	14167.7
10°	14091.2
12.5°	14005.8
15°	13907.6
17.5°	13756.6
20°	13548.1
22.5°	13342.6
25°	13128.1
27.5°	12885.9
30°	12588.0
32.5°	12238.5
35°	11835.4
37.5°	11129.4
40°	10153.4
42.5°	8903.3
45°	7478.5
47.5°	6038.8
50°	4647.8
52.5°	3446.4
55°	2431.6
57.5°	1474.5
60°	643.4
62.5°	280.0
65°	171.8
67.5°	93.3
70°	47.7
72.5°	30.8
75°	21.8
77.5°	19.9
80°	17.9
82.5°	14.9
85°	10.9
87.5°	6.0
90°	0.0

(END OF REPORT)