

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: P1504945

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504945
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-80)
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 (3500K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

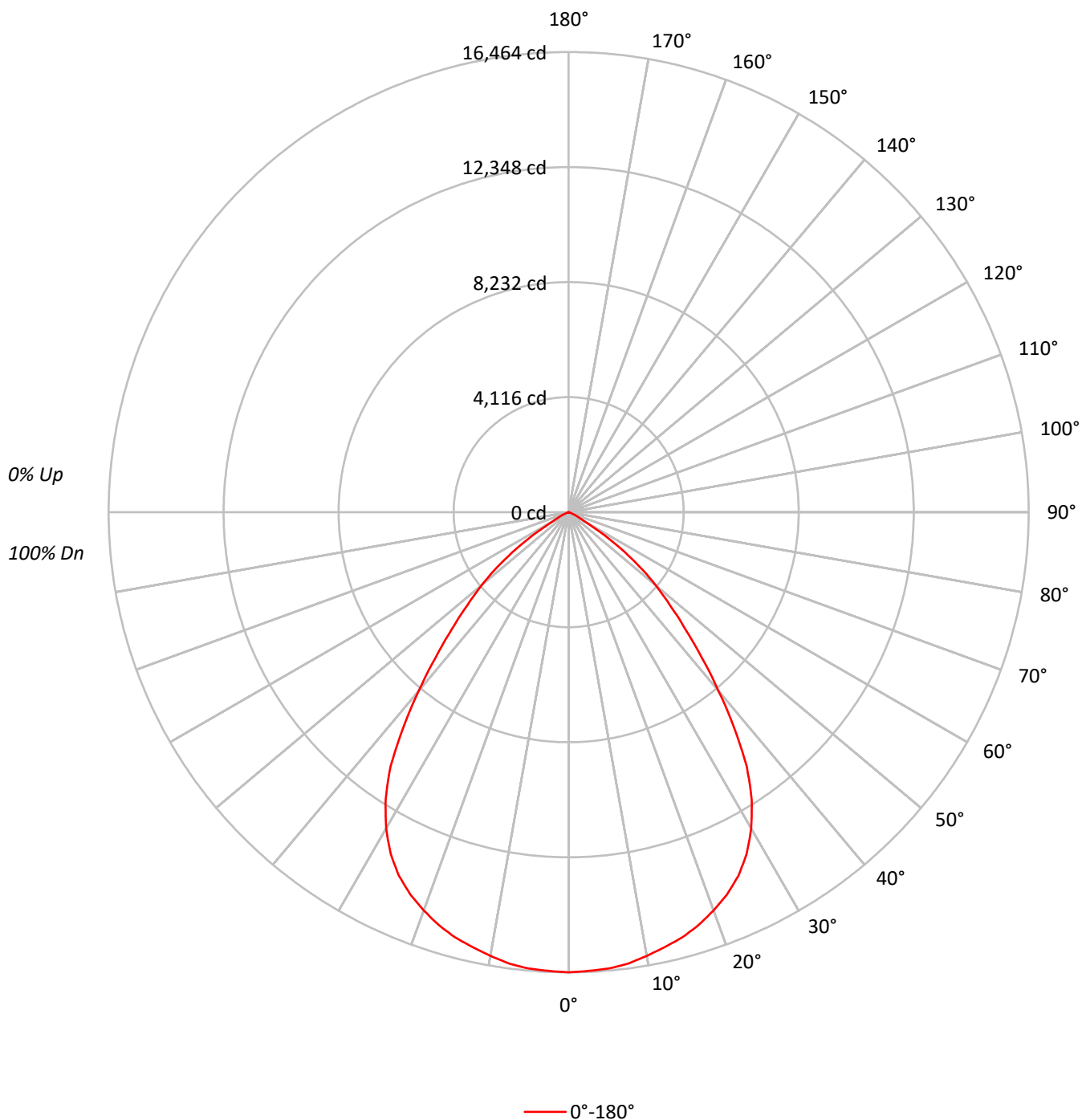
Lumens per Lamp: N/A
Luminaire Lumens: 26351.8 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 196.3
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

TEST NUMBER: P1504945

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3500K_L32_Medium_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504945

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3500K_L32_Medium_120V)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					0
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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	79	76	74			
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	72	68	67			
5	86	76	69	64	84	75	69	64	73	67	63	71	66	62	70	65	62	60			
6	81	70	63	58	79	69	62	57	68	61	57	66	61	57	65	60	56	54			
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45			
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42			
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120807
5°	120730
10°	120085
15°	119576
20°	118393
25°	116245
30°	110705
35°	99537
40°	79857
45°	61110
50°	46517
55°	29359
60°	9480
65°	4618
70°	1244
75°	482
80°	592
85°	674

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 61110 cd/sqm

TEST NUMBER: P1504945

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3500K_L32_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1555.8	5.9
10°-20°	4436.5	16.8
20°-30°	6575.3	25.0
30°-40°	6811.5	25.8
40°-50°	4610.6	17.5
50°-60°	2039.9	7.7
60°-70°	288.4	1.1
70°-80°	25.5	0.1
80°-90°	8.2	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°	12567.6	47.7
0°-40°	19379.1	73.5
0°-60°	26029.7	98.8
0°-90°	26351.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26351.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16464	
5°	16391	###
15°	15741	4437
25°	14358	6575
35°	11112	6812
45°	5889	4611
55°	2295	2040
65°	266	288
75°	17	26
85°	8	8
90°	0	

TEST NUMBER: P1504945

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3500K_L32_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	16464
2.5°	16425
5°	16391
7.5°	16288
10°	16117
12.5°	15931
15°	15741
17.5°	15482
20°	15162
22.5°	14801
25°	14358
27.5°	13791
30°	13066
32.5°	12194
35°	11112
37.5°	9738
40°	8337
42.5°	7045
45°	5889
47.5°	4907
50°	4075
52.5°	3198
55°	2295
57.5°	1376
60°	646
62.5°	421
65°	266
67.5°	138
70°	58
72.5°	28
75°	17
77.5°	16
80°	14
82.5°	11
85°	8
87.5°	4
90°	0

(END OF REPORT)