

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: P1504950

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3500K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504950
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 (3500K_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

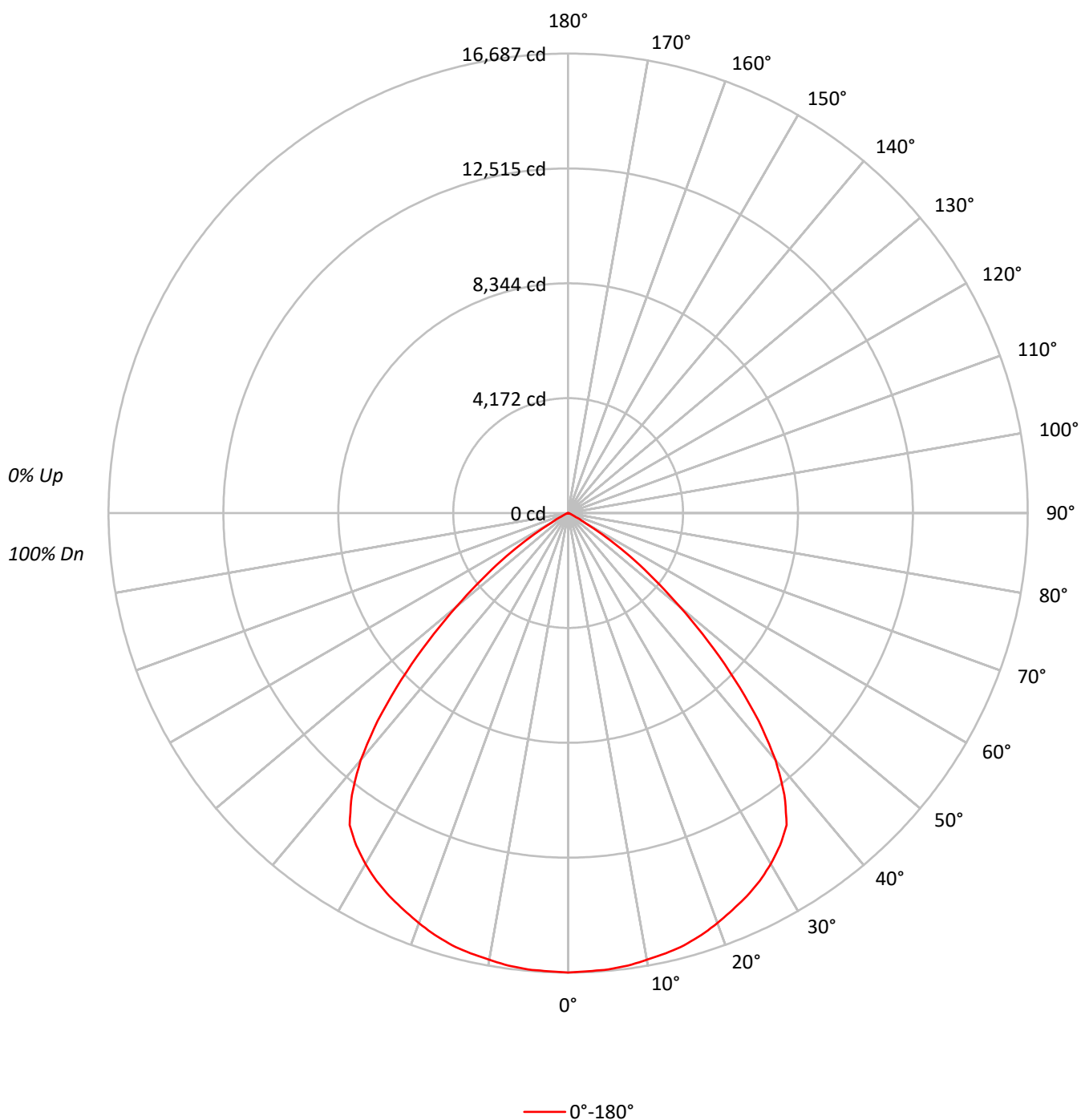
Lumens per Lamp: N/A
Luminaire Lumens: 31060.4 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.29
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 235.4
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: P1504950

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3500K_L36_Wide_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1504950

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3500K_L36_Wide_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	50	30	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°	122442
5°	122558
10°	122720
15°	123477
20°	123737
25°	124286
30°	124689
35°	123880
40°	112203
45°	88878
50°	60297
55°	35006
60°	10372
65°	3351
70°	1148
75°	692
80°	837
85°	1078

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 88878 cd/sqm

TEST NUMBER: P1504950

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3500K_L36_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1582.9	5.1
10°-20°	4587.5	14.8
20°-30°	7077.4	22.8
30°-40°	8484.8	27.3
40°-50°	6548.1	21.1
50°-60°	2490.8	8.0
60°-70°	245.6	0.8
70°-80°	30.5	0.1
80°-90°	12.8	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°	13247.8	42.7
0°-40°	21732.6	70.0
0°-60°	30771.5	99.1
0°-90°	31060.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31060.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16687	
5°	16639	###
15°	16254	4588
25°	15351	7077
35°	13830	8485
45°	8565	6548
55°	2736	2491
65°	193	246
75°	24	30
85°	13	13
90°	0	

TEST NUMBER: P1504950

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3500K_L36_Wide_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	16686.9
2.5°	16653.2
5°	16639.2
7.5°	16577.6
10°	16470.7
12.5°	16375.4
15°	16254.5
17.5°	16072.0
20°	15846.4
22.5°	15596.5
25°	15351.2
27.5°	15061.8
30°	14716.5
32.5°	14313.2
35°	13829.6
37.5°	12896.2
40°	11714.0
42.5°	10234.2
45°	8564.9
47.5°	6880.5
50°	5282.1
52.5°	3916.3
55°	2736.4
57.5°	1633.2
60°	706.8
62.5°	325.5
65°	193.0
67.5°	105.8
70°	53.5
72.5°	32.5
75°	24.4
77.5°	22.1
80°	19.8
82.5°	17.4
85°	12.8
87.5°	7.0
90°	0.0

(END OF REPORT)