

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: P1504939

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504939
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 (3000K_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

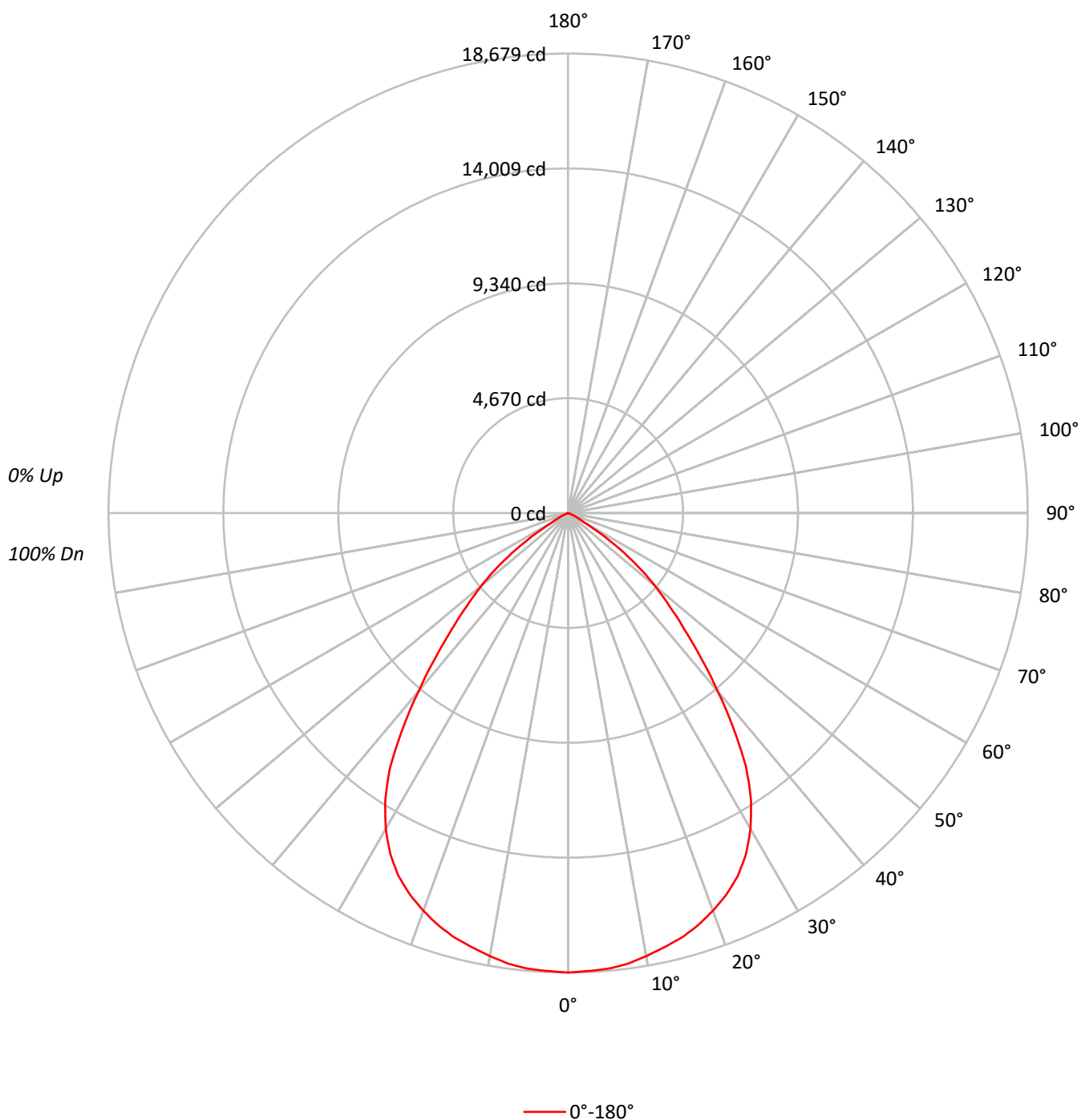
Lumens per Lamp: N/A
Luminaire Lumens: 29896.4 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 237.6
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: P1504939

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3000K_L36_Medium_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504939

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3000K_L36_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°	137056
5°	136969
10°	136237
15°	135660
20°	134318
25°	131881
30°	125596
35°	112925
40°	90598
45°	69329
50°	52774
55°	33308
60°	10755
65°	5240
70°	1412
75°	547
80°	672
85°	766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 69329 cd/sqm

TEST NUMBER: P1504939

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3000K_L36_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1765.1	5.9
10°-20°	5033.3	16.8
20°-30°	7459.7	25.0
30°-40°	7727.7	25.8
40°-50°	5230.8	17.5
50°-60°	2314.4	7.7
60°-70°	327.2	1.1
70°-80°	29.0	0.1
80°-90°	9.3	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°	14258.1	47.7
0°-40°	21985.8	73.5
0°-60°	29530.9	98.8
0°-90°	29896.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29896.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18679	
5°	18596	###
15°	17858	5033
25°	16289	7460
35°	12607	7728
45°	6681	5231
55°	2604	2314
65°	302	327
75°	19	29
85°	9	9
90°	0	

TEST NUMBER: P1504939

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3000K_L36_Medium_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	18678.6
2.5°	18634.3
5°	18595.7
7.5°	18478.9
10°	18284.9
12.5°	18073.9
15°	17858.3
17.5°	17564.5
20°	17201.4
22.5°	16791.9
25°	16289.3
27.5°	15646.0
30°	14823.5
32.5°	13834.2
35°	12606.7
37.5°	11047.8
40°	9458.4
42.5°	7992.6
45°	6681.1
47.5°	5567.0
50°	4623.1
52.5°	3628.2
55°	2603.7
57.5°	1561.1
60°	732.9
62.5°	477.6
65°	301.8
67.5°	156.6
70°	65.8
72.5°	31.8
75°	19.3
77.5°	18.2
80°	15.9
82.5°	12.5
85°	9.1
87.5°	4.5
90°	0.0

(END OF REPORT)