

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: P1504963

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (5000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504963
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 (5000K_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

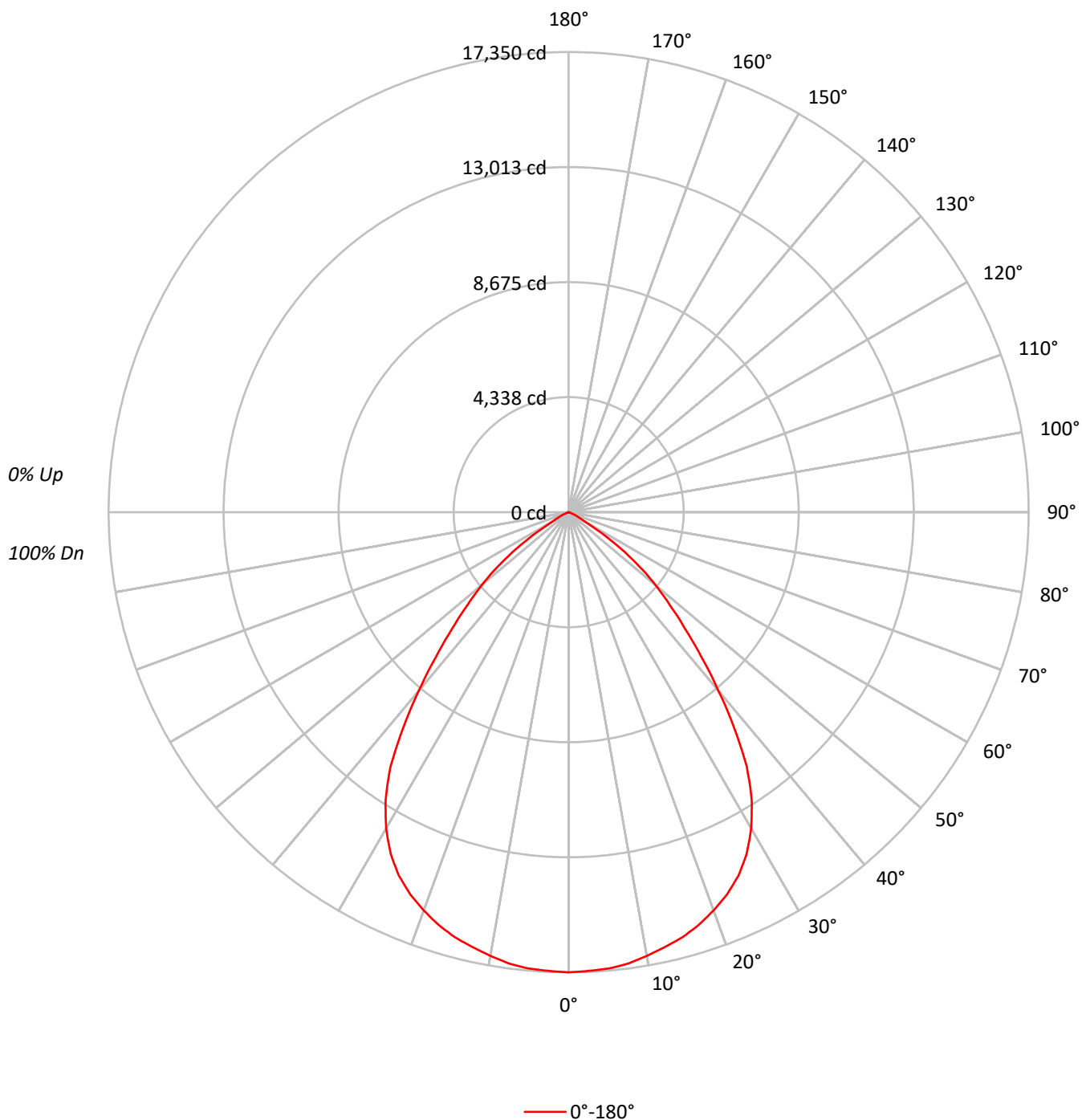
Lumens per Lamp: N/A
Luminaire Lumens: 27770.3 lumens
Efficiency: N/A
Efficacy: 142.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1504963

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (5000K_L32_Medium_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504963

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (5000K_L32_Medium_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	50	30	10	50	30	10		
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°	127310
5°	127229
10°	126549
15°	126012
20°	124766
25°	122502
30°	116665
35°	104895
40°	84155
45°	64399
50°	49022
55°	30939
60°	9991
65°	4867
70°	1311
75°	507
80°	625
85°	707

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 64399 cd/sqm

TEST NUMBER: P1504963

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (5000K_L32_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1639.6	5.9
10°-20°	4675.3	16.8
20°-30°	6929.2	25.0
30°-40°	7178.2	25.8
40°-50°	4858.8	17.5
50°-60°	2149.8	7.7
60°-70°	303.9	1.1
70°-80°	26.9	0.1
80°-90°	8.6	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°	13244.2	47.7
0°-40°	20422.3	73.5
0°-60°	27430.9	98.8
0°-90°	27770.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27770.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17350	
5°	17273	###
15°	16588	4675
25°	15131	6929
35°	11710	7178
45°	6206	4859
55°	2418	2150
65°	280	304
75°	18	27
85°	8	9
90°	0	

TEST NUMBER: P1504963

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (5000K_L32_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	17350.3
2.5°	17309.2
5°	17273.3
7.5°	17164.8
10°	16984.6
12.5°	16788.6
15°	16588.3
17.5°	16315.4
20°	15978.2
22.5°	15597.7
25°	15130.9
27.5°	14533.4
30°	13769.4
32.5°	12850.4
35°	11710.2
37.5°	10262.2
40°	8785.8
42.5°	7424.2
45°	6206.0
47.5°	5171.1
50°	4294.4
52.5°	3370.2
55°	2418.5
57.5°	1450.1
60°	680.8
62.5°	443.7
65°	280.3
67.5°	145.4
70°	61.1
72.5°	29.5
75°	17.9
77.5°	16.9
80°	14.8
82.5°	11.6
85°	8.4
87.5°	4.2
90°	0.0

(END OF REPORT)