

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: P1504966

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (5000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504966
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_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

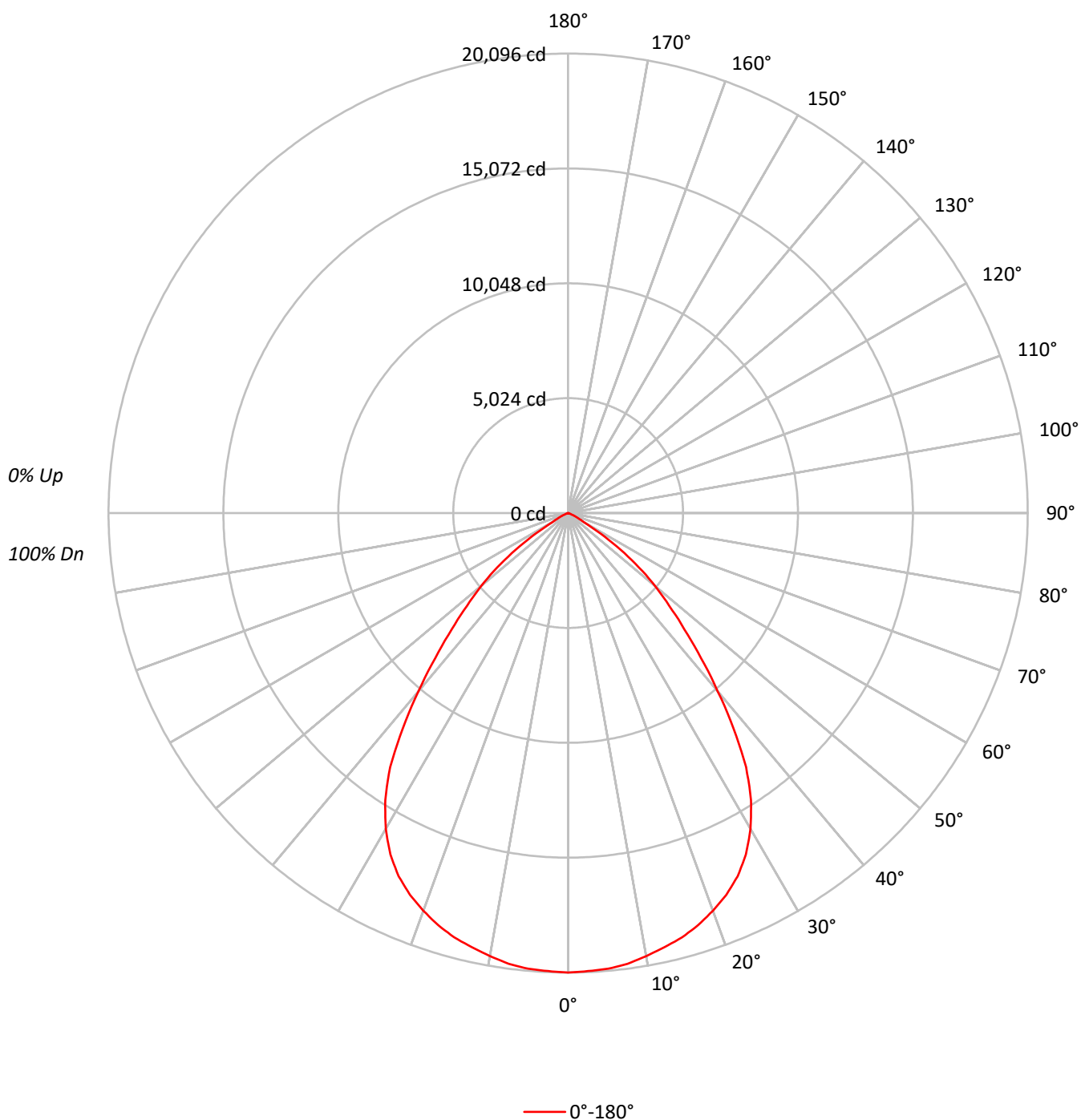
Lumens per Lamp: N/A
Luminaire Lumens: 32165.3 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 233.3
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

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Luminous Intensity Polar Plot





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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°	147457
5°	147364
10°	146576
15°	145955
20°	144512
25°	141889
30°	135128
35°	121495
40°	97474
45°	74592
50°	56780
55°	35836
60°	11571
65°	5638
70°	1519
75°	590
80°	723
85°	825

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 74592 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1899.1	5.9
10°-20°	5415.3	16.8
20°-30°	8025.8	25.0
30°-40°	8314.2	25.8
40°-50°	5627.8	17.5
50°-60°	2490.0	7.7
60°-70°	352.0	1.1
70°-80°	31.2	0.1
80°-90°	10.0	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°	15340.2	47.7
0°-40°	23654.4	73.5
0°-60°	31772.1	98.8
0°-90°	32165.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32165.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20096	
5°	20007	###
15°	19214	5415
25°	17526	8026
35°	13563	8314
45°	7188	5628
55°	2801	2490
65°	325	352
75°	21	31
85°	10	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	20096.1
2.5°	20048.5
5°	20007.0
7.5°	19881.3
10°	19672.5
12.5°	19445.5
15°	19213.6
17.5°	18897.5
20°	18506.9
22.5°	18066.2
25°	17525.5
27.5°	16833.4
30°	15948.5
32.5°	14884.1
35°	13563.4
37.5°	11886.3
40°	10176.2
42.5°	8599.2
45°	7188.2
47.5°	5989.5
50°	4974.0
52.5°	3903.5
55°	2801.3
57.5°	1679.6
60°	788.5
62.5°	513.9
65°	324.7
67.5°	168.4
70°	70.8
72.5°	34.2
75°	20.8
77.5°	19.5
80°	17.1
82.5°	13.4
85°	9.8
87.5°	4.9
90°	0.0

(END OF REPORT)