

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: P1504961

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (5000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504961
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-79)
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_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

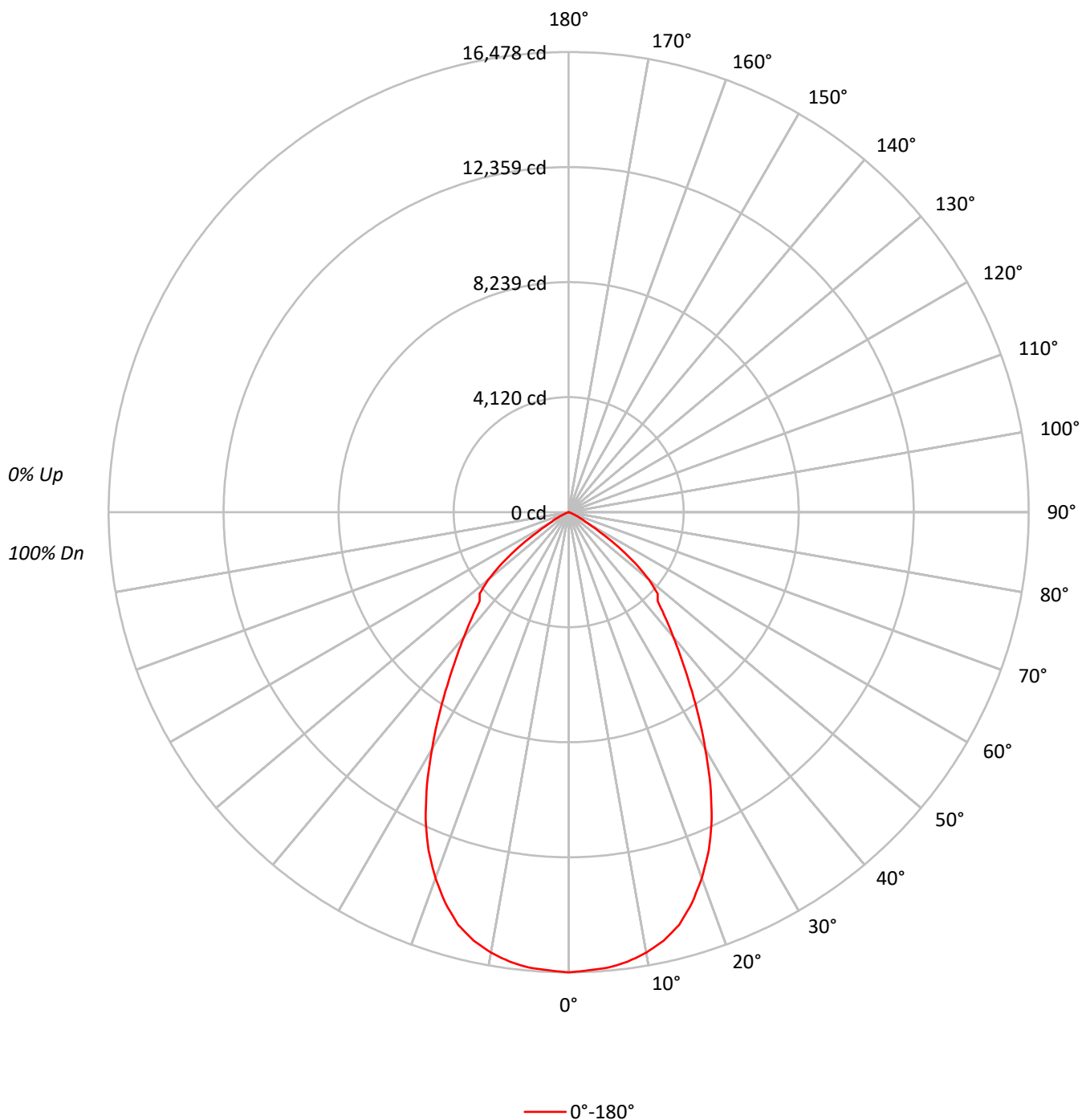
Lumens per Lamp: N/A
Luminaire Lumens: 22019.6 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 156.4
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

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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				10			
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	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	81	97	90	84	80	87	82	79	84	81	77	82	79	76	74		
4	93	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	56		
7	76	66	58	54	75	65	58	53	63	57	53	62	57	53	61	56	52	51		
8	72	61	54	49	71	60	54	49	59	53	49	58	52	49	57	52	48	47		
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43		
10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120909
5°	120571
10°	119312
15°	116189
20°	108832
25°	98138
30°	82902
35°	67932
40°	55861
45°	46728
50°	42789
55°	27943
60°	11089
65°	5443
70°	1416
75°	420
80°	516
85°	581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 46900 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1551.2	7.0
10°-20°	4269.1	19.4
20°-30°	5506.1	25.0
30°-40°	4769.6	21.7
40°-50°	3608.5	16.4
50°-60°	1942.7	8.8
60°-70°	340.2	1.5
70°-80°	25.1	0.1
80°-90°	7.1	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°	11326.3	51.4
0°-40°	16096.0	73.1
0°-60°	21647.2	98.3
0°-90°	22019.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22019.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16478	
5°	16369	###
15°	15295	4269
25°	12122	5506
35°	7584	4770
45°	4503	3608
55°	2184	1943
65°	314	340
75°	15	25
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16478.0
2.5°	16419.8
5°	16369.4
7.5°	16233.1
10°	16013.3
12.5°	15714.6
15°	15295.1
17.5°	14678.4
20°	13937.6
22.5°	13109.1
25°	12121.6
27.5°	10981.3
30°	9784.5
32.5°	8652.0
35°	7583.7
37.5°	6637.0
40°	5831.9
42.5°	5130.2
45°	4503.1
47.5°	4318.2
50°	3748.4
52.5°	2994.6
55°	2184.3
57.5°	1349.6
60°	755.6
62.5°	508.1
65°	313.5
67.5°	156.3
70°	66.0
72.5°	27.8
75°	14.8
77.5°	13.9
80°	12.2
82.5°	9.6
85°	6.9
87.5°	3.5
90°	0.0

(END OF REPORT)