

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: P1505150

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (6500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505150
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-103)
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-06-BLAK-PS (6500K_L24_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

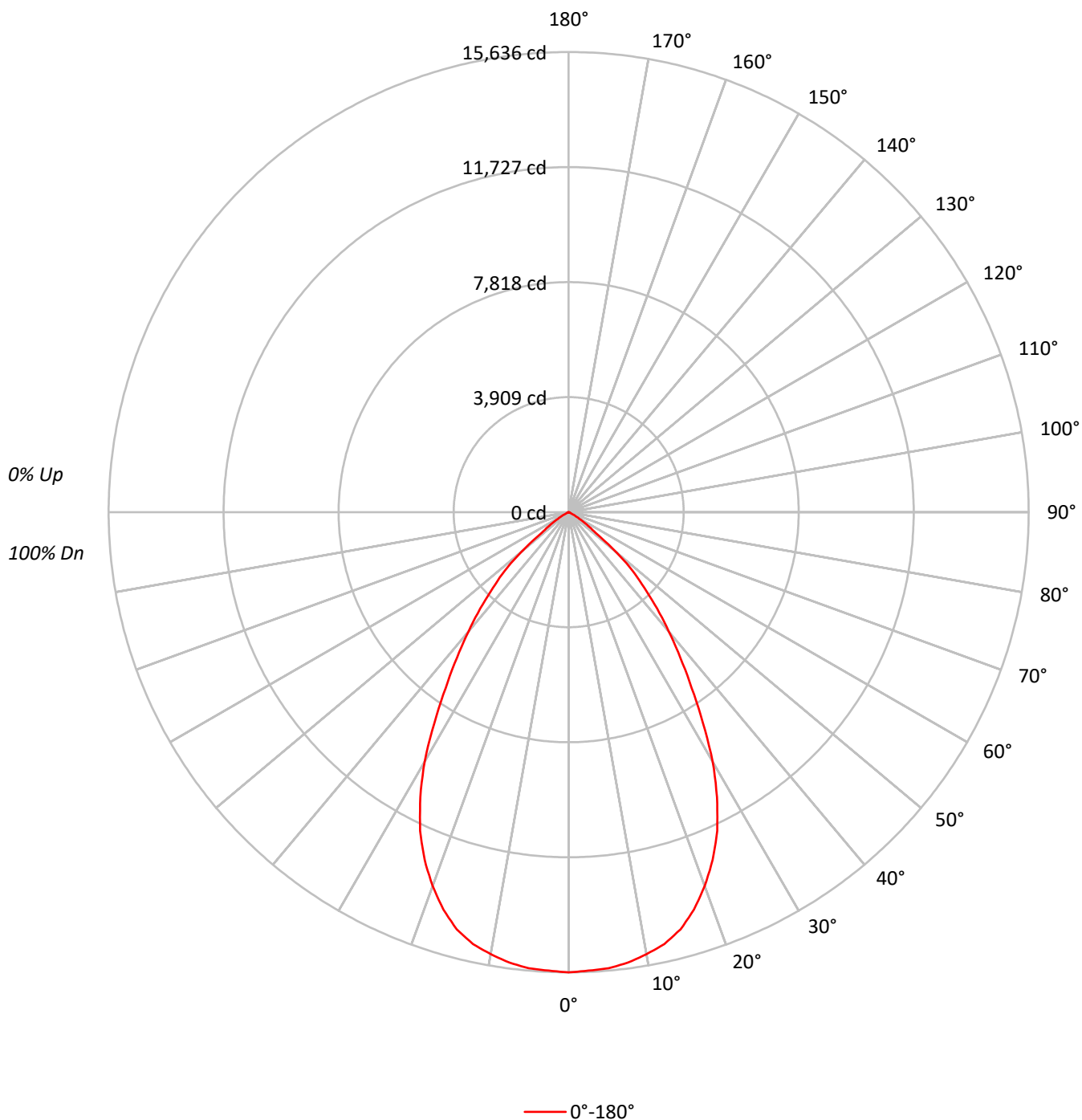
Lumens per Lamp: N/A
Luminaire Lumens: 19339.1 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 159.8
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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92		
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84		
3	100	93	87	83	98	92	87	82	89	85	81	86	83	80	84	81	79	77		
4	94	86	80	75	92	85	79	74	82	77	74	80	76	73	78	75	72	70		
5	89	79	73	68	87	78	72	68	77	71	67	75	70	66	73	69	66	64		
6	84	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	61	59		
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54		
8	74	64	57	53	73	63	57	52	62	56	52	61	56	52	60	55	52	50		
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	51	48	47		
10	67	56	49	45	65	55	49	45	55	49	45	54	49	45	53	48	45	43		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	104309
5°	104163
10°	103284
15°	101370
20°	95964
25°	87898
30°	75432
35°	59335
40°	46085
45°	34249
50°	22074
55°	9314
60°	3765
65°	870
70°	513
75°	546
80°	588
85°	582

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 34249 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1474.9	7.6
10°-20°	4102.8	21.2
20°-30°	5423.2	28.0
30°-40°	4585.3	23.7
40°-50°	2821.4	14.6
50°-60°	811.1	4.2
60°-70°	90.2	0.5
70°-80°	22.0	0.1
80°-90°	8.3	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°	11000.8	56.9
0°-40°	15586.1	80.6
0°-60°	19218.6	99.4
0°-90°	19339.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19339.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15636	
5°	15555	###
15°	14678	4103
25°	11942	5423
35°	7286	4585
45°	3630	2821
55°	801	811
65°	55	90
75°	21	22
85°	8	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15636.4
2.5°	15591.5
5°	15555.1
7.5°	15437.3
10°	15247.5
12.5°	15028.8
15°	14678.0
17.5°	14157.7
20°	13517.9
22.5°	12788.3
25°	11941.7
27.5°	10917.2
30°	9792.7
32.5°	8490.2
35°	7286.0
37.5°	6229.3
40°	5292.1
42.5°	4446.4
45°	3630.3
47.5°	2954.9
50°	2127.0
52.5°	1147.4
55°	800.8
57.5°	525.4
60°	282.2
62.5°	129.7
65°	55.1
67.5°	30.5
70°	26.3
72.5°	23.7
75°	21.2
77.5°	17.8
80°	15.3
82.5°	11.0
85°	7.6
87.5°	4.2
90°	0.0

(END OF REPORT)