

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: P1505113

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (3000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505113
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-104)
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 (3000K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

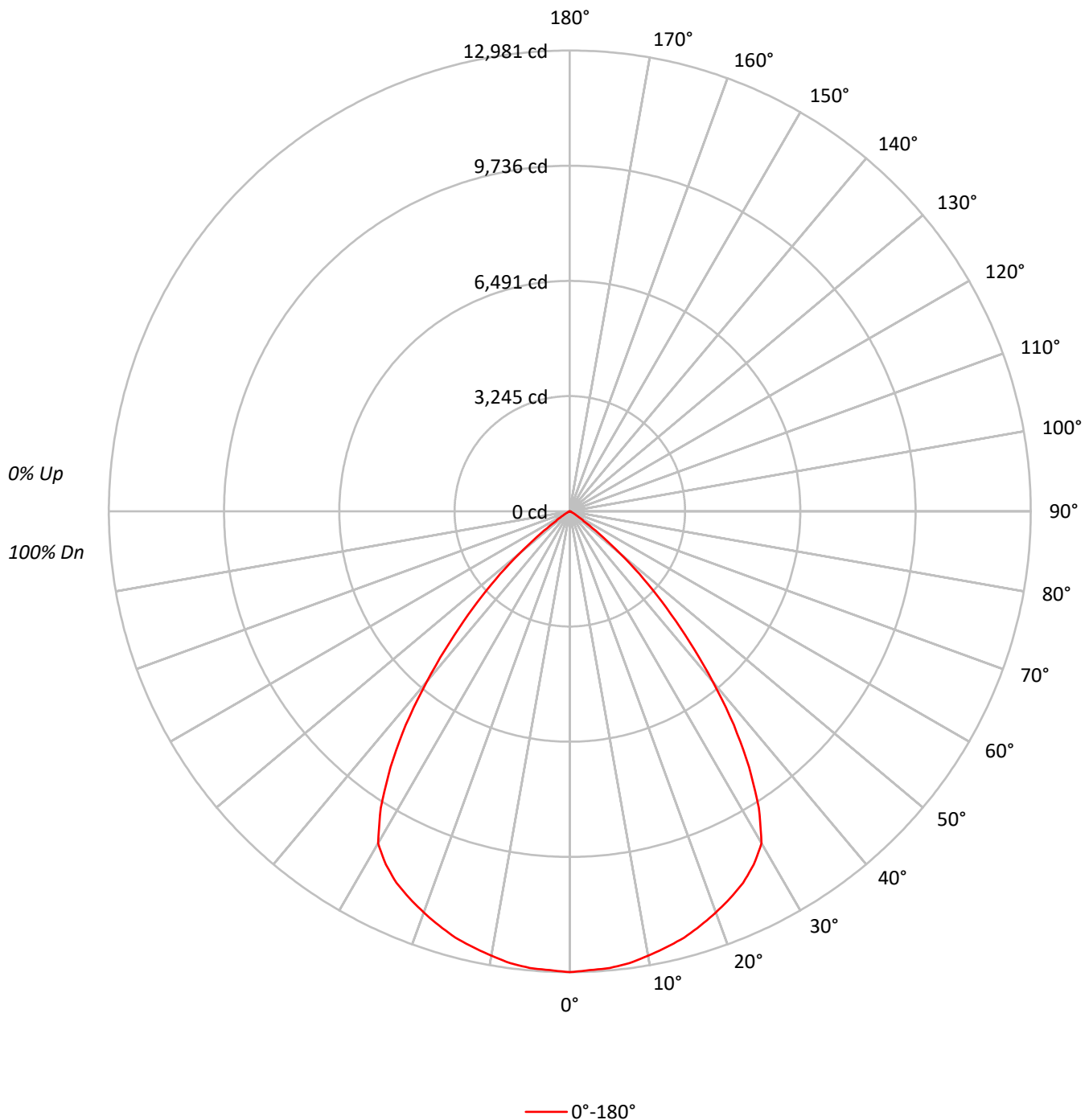
Lumens per Lamp: N/A
Luminaire Lumens: 19173.6 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 159.4
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	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92		
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	85	84		
3	100	92	87	82	98	91	86	82	88	84	80	86	82	79	84	80	78	76		
4	94	85	79	74	92	84	78	73	82	77	73	80	75	72	78	74	71	69		
5	88	78	72	67	86	77	71	66	76	70	66	74	69	65	72	68	65	63		
6	83	72	66	61	81	72	65	60	70	64	60	69	63	60	67	63	59	58		
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	63	58	54	53		
8	73	62	55	51	72	62	55	51	60	55	50	59	54	50	58	54	50	48		
9	69	58	51	47	68	57	51	47	56	51	46	55	50	46	55	50	46	45		
10	65	54	48	43	64	54	47	43	53	47	43	52	47	43	51	46	43	41		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	86593
5°	86471
10°	86090
15°	85876
20°	85374
25°	84990
30°	83161
35°	71634
40°	54529
45°	36269
50°	19410
55°	5527
60°	2466
65°	769
70°	579
75°	639
80°	699
85°	758

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36269 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1226.2	6.4
10°-20°	3506.4	18.3
20°-30°	5303.7	27.7
30°-40°	5411.9	28.2
40°-50°	3000.1	15.6
50°-60°	620.2	3.2
60°-70°	68.7	0.4
70°-80°	25.9	0.1
80°-90°	10.3	0.1
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°	10036.4	52.3
0°-40°	15448.2	80.6
0°-60°	19068.5	99.5
0°-90°	19173.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19173.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12981	
5°	12913	###
15°	12434	3506
25°	11547	5304
35°	8796	5412
45°	3844	3000
55°	475	620
65°	49	69
75°	25	26
85°	10	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	12980.6
2.5°	12938.5
5°	12913.0
7.5°	12837.9
10°	12709.2
12.5°	12578.0
15°	12434.5
17.5°	12238.1
20°	12026.1
22.5°	11798.4
25°	11546.7
27.5°	11218.4
30°	10796.0
32.5°	9905.0
35°	8796.2
37.5°	7585.9
40°	6261.8
42.5°	4994.6
45°	3844.5
47.5°	2828.9
50°	1870.3
52.5°	1017.2
55°	475.2
57.5°	306.1
60°	184.8
62.5°	91.6
65°	48.7
67.5°	33.0
70°	29.7
72.5°	27.2
75°	24.8
77.5°	22.3
80°	18.2
82.5°	14.0
85°	9.9
87.5°	5.0
90°	0.0

(END OF REPORT)