

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: P1505151

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (6500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505151
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-105)
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_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

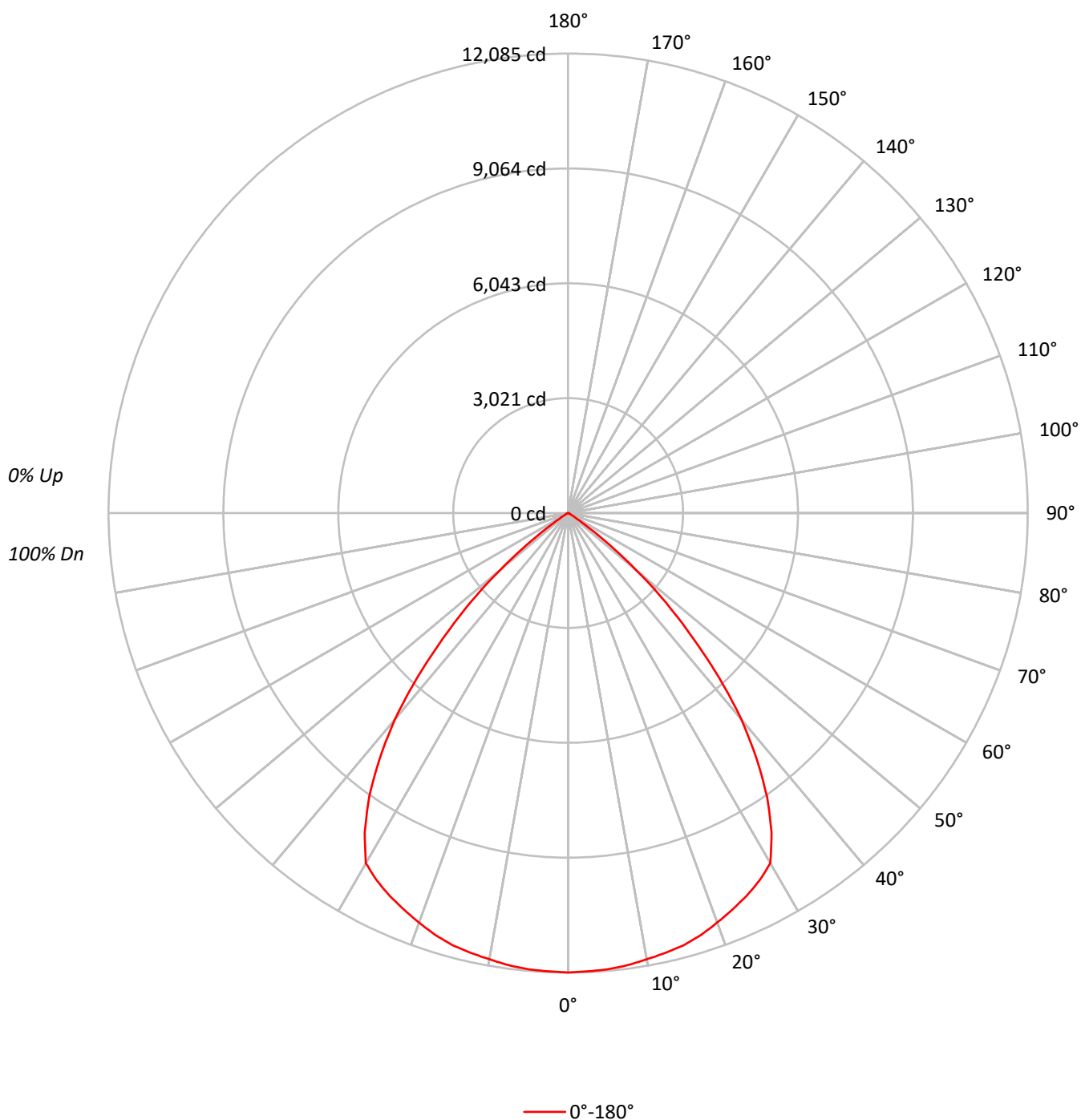
Lumens per Lamp: N/A
Luminaire Lumens: 19604.4 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.21
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1505151

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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	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	92		
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68		
5	87	77	71	66	85	76	70	65	74	69	65	73	68	64	71	67	63	62		
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56		
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51		
8	72	61	54	49	71	60	54	49	59	53	49	58	53	49	57	52	48	47		
9	68	57	50	45	67	56	49	45	55	49	45	54	49	45	53	48	44	43		
10	64	53	46	42	63	52	46	41	51	45	41	50	45	41	50	45	41	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	80617
5°	80664
10°	80724
15°	81232
20°	81370
25°	81754
30°	81914
35°	74255
40°	61634
45°	43658
50°	24396
55°	6062
60°	1730
65°	762
70°	644
75°	742
80°	814
85°	781

MAXIMUM LUMINANCE 45°-90°:

Luminance: 43658 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1145.6	5.8
10°-20°	3319.2	16.9
20°-30°	5119.6	26.1
30°-40°	5621.3	28.7
40°-50°	3569.6	18.2
50°-60°	729.0	3.7
60°-70°	58.9	0.3
70°-80°	29.8	0.2
80°-90°	11.4	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°	9584.3	48.9
0°-40°	15205.6	77.6
0°-60°	19504.3	99.5
0°-90°	19604.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19604.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12085	
5°	12046	###
15°	11762	3319
25°	11107	5120
35°	9118	5621
45°	4628	3570
55°	521	729
65°	48	59
75°	29	30
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	12084.9
2.5°	12061.2
5°	12045.9
7.5°	11992.6
10°	11917.1
12.5°	11845.9
15°	11762.1
17.5°	11629.9
20°	11462.1
22.5°	11286.7
25°	11107.0
27.5°	10895.2
30°	10634.2
32.5°	9953.7
35°	9118.1
37.5°	8144.5
40°	7077.6
42.5°	5875.1
45°	4627.7
47.5°	3479.5
50°	2350.7
52.5°	1355.9
55°	521.2
57.5°	219.5
60°	129.7
62.5°	73.7
65°	48.3
67.5°	36.4
70°	33.0
72.5°	31.4
75°	28.8
77.5°	25.4
80°	21.2
82.5°	16.1
85°	10.2
87.5°	5.1
90°	0.0

(END OF REPORT)