

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: P1505122

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (3500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505122
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 (3500K_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

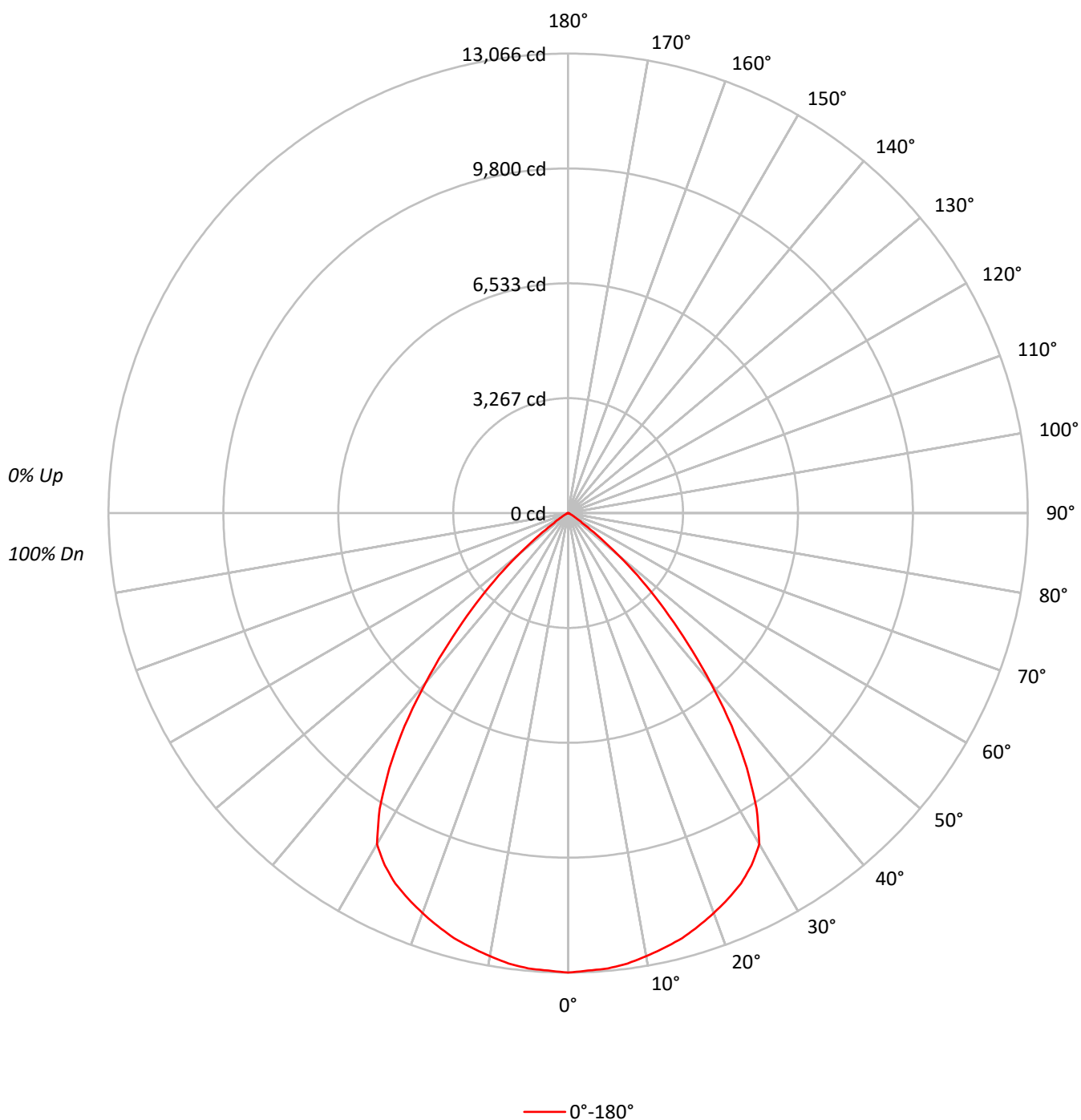
Lumens per Lamp: N/A
Luminaire Lumens: 19299.1 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 157.5
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	50	30	10	50	30	10		
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°	87160
5°	87037
10°	86654
15°	86438
20°	85933
25°	85547
30°	83705
35°	72103
40°	54887
45°	36507
50°	19537
55°	5563
60°	2482
65°	773
70°	583
75°	642
80°	703
85°	765

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36507 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1234.2	6.4
10°-20°	3529.4	18.3
20°-30°	5338.5	27.7
30°-40°	5447.3	28.2
40°-50°	3019.8	15.6
50°-60°	624.3	3.2
60°-70°	69.2	0.4
70°-80°	26.1	0.1
80°-90°	10.4	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°	10102.1	52.3
0°-40°	15549.4	80.6
0°-60°	19193.4	99.5
0°-90°	19299.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19299.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13066	
5°	12998	###
15°	12516	3529
25°	11622	5338
35°	8854	5447
45°	3870	3020
55°	478	624
65°	49	69
75°	25	26
85°	10	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	13065.6
2.5°	13023.3
5°	12997.5
7.5°	12921.9
10°	12792.4
12.5°	12660.4
15°	12515.9
17.5°	12318.2
20°	12104.8
22.5°	11875.6
25°	11622.4
27.5°	11291.9
30°	10866.7
32.5°	9969.9
35°	8853.8
37.5°	7635.6
40°	6302.8
42.5°	5027.3
45°	3869.7
47.5°	2847.5
50°	1882.5
52.5°	1023.9
55°	478.3
57.5°	308.1
60°	186.0
62.5°	92.2
65°	49.0
67.5°	33.2
70°	29.9
72.5°	27.4
75°	24.9
77.5°	22.4
80°	18.3
82.5°	14.1
85°	10.0
87.5°	5.0
90°	0.0

(END OF REPORT)