

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: P1505496

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (4000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505496
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-117)
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-B-06-BLAK-PS (4000K_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

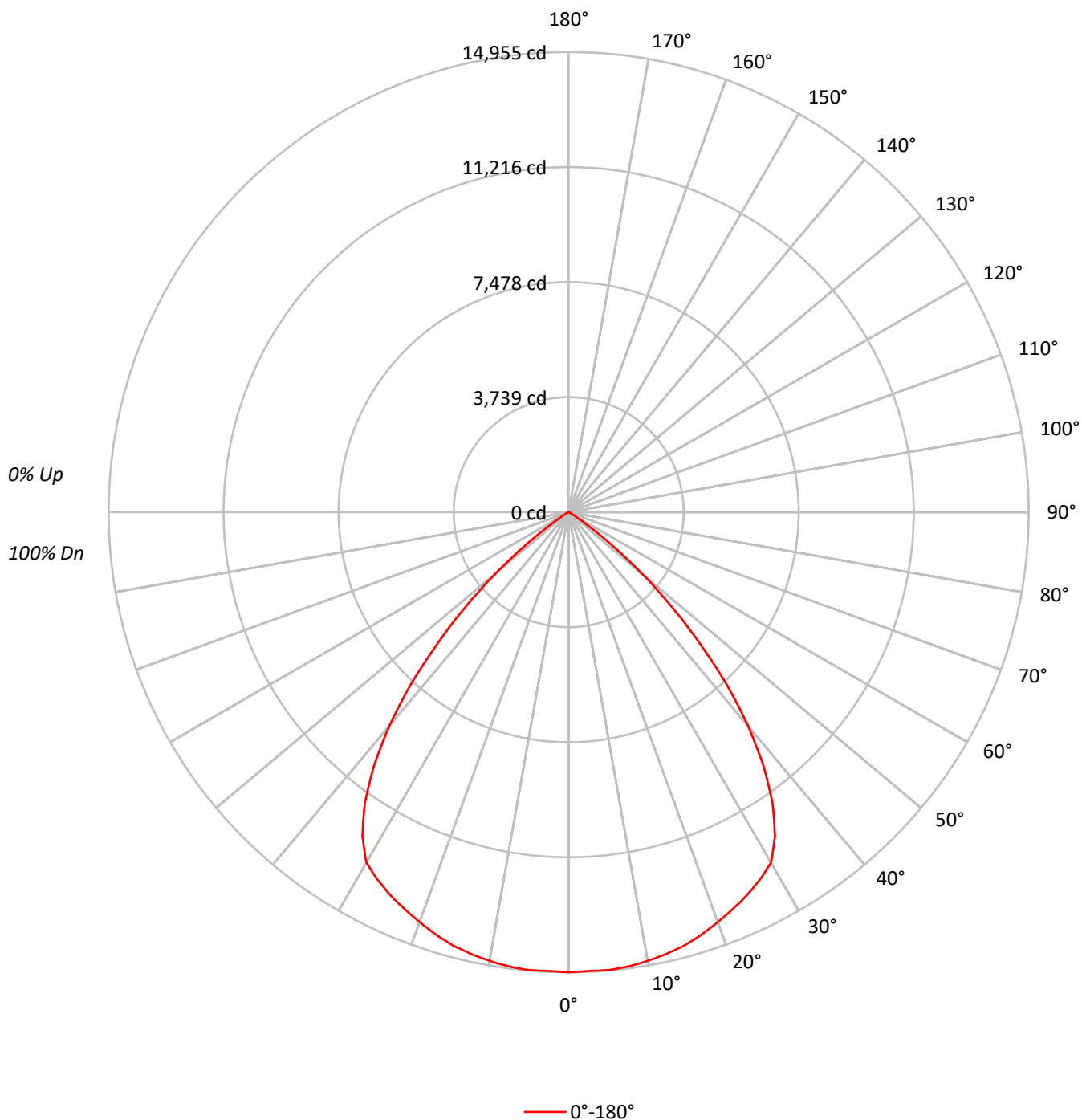
Lumens per Lamp: N/A
Luminaire Lumens: 24722.2 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.22
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 194.3
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
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	93			92
2	106	100	95	91	103	98	94	90	95	92	88	92	89	87	89	87	85			83
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77			75
4	93	84	77	72	91	83	77	72	81	75	71	78	74	70	76	73	69			68
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63			61
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57			56
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52			51
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48			46
9	67	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44			43
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41			39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	95282
5°	95525
10°	95798
15°	96119
20°	96095
25°	96497
30°	96755
35°	89827
40°	75441
45°	54103
50°	30877
55°	8872
60°	2278
65°	977
70°	799
75°	849
80°	881
85°	841

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 54103 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1421.5	5.7
10°-20°	4111.8	16.6
20°-30°	6328.1	25.6
30°-40°	7102.1	28.7
40°-50°	4622.6	18.7
50°-60°	1006.6	4.1
60°-70°	80.7	0.3
70°-80°	35.9	0.1
80°-90°	13.0	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°	11861.4	48.0
0°-40°	18963.4	76.7
0°-60°	24592.7	99.5
0°-90°	24722.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24722.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14955	
5°	14936	###
15°	14573	4112
25°	13727	6328
35°	11549	7102
45°	6005	4623
55°	799	1007
65°	65	81
75°	34	36
85°	12	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	14955.2
2.5°	14927.0
5°	14936.4
7.5°	14893.5
10°	14807.8
12.5°	14700.1
15°	14572.6
17.5°	14386.5
20°	14173.2
22.5°	13955.8
25°	13726.9
27.5°	13459.3
30°	13151.9
32.5°	12480.8
35°	11549.3
37.5°	10400.5
40°	9070.8
42.5°	7591.5
45°	6004.7
47.5°	4516.0
50°	3115.2
52.5°	1848.2
55°	798.7
57.5°	309.4
60°	178.8
62.5°	103.5
65°	64.8
67.5°	49.1
70°	42.9
72.5°	38.7
75°	34.5
77.5°	29.3
80°	24.0
82.5°	17.8
85°	11.5
87.5°	6.3
90°	0.0

(END OF REPORT)