

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: P1505512

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (6500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505512
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-116)
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 (6500K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

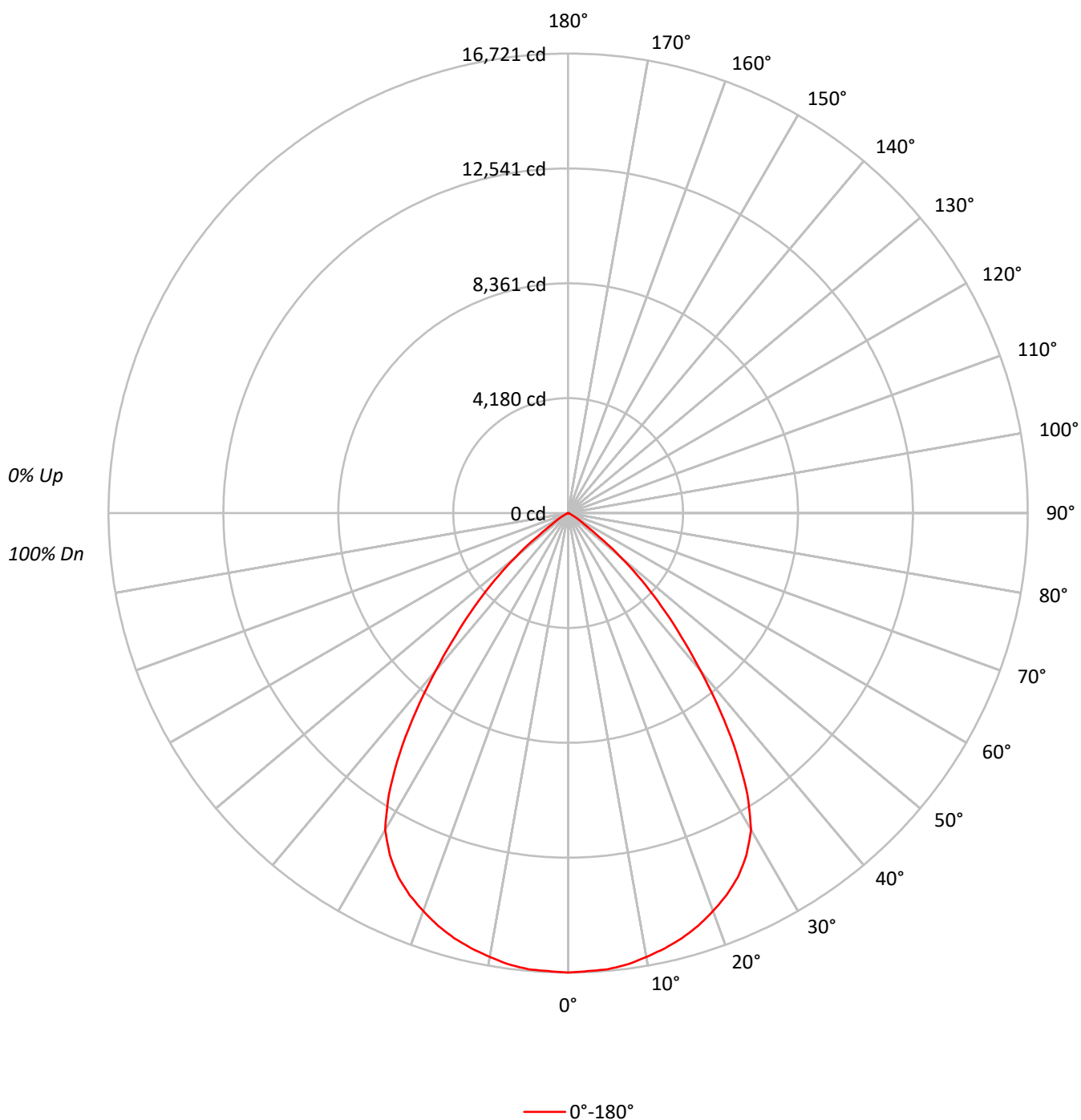
Lumens per Lamp: N/A
Luminaire Lumens: 24116.6 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.11
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 200.1
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	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	93	87	82	98	91	86	82	88	84	80	86	82	79	84	80	78			76
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71			69
5	88	78	72	67	86	77	71	67	76	70	66	74	69	65	72	68	65			63
6	83	73	66	61	81	72	65	61	70	64	60	69	64	60	67	63	59			58
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	63	58	54			53
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50			49
9	69	58	51	47	68	58	51	47	57	51	47	56	50	46	55	50	46			45
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43			41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	106531
5°	106560
10°	106110
15°	105630
20°	104486
25°	102724
30°	97940
35°	83119
40°	62386
45°	43300
50°	24857
55°	8005
60°	3689
65°	1030
70°	665
75°	702
80°	748
85°	746

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 43300 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1582.1	6.6
10°-20°	4513.6	18.7
20°-30°	6691.9	27.7
30°-40°	6577.6	27.3
40°-50°	3727.5	15.5
50°-60°	880.6	3.7
60°-70°	101.8	0.4
70°-80°	30.0	0.1
80°-90°	11.4	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°	12787.6	53.0
0°-40°	19365.2	80.3
0°-60°	23973.4	99.4
0°-90°	24116.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24116.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16721	
5°	16662	###
15°	16014	4514
25°	14613	6692
35°	10687	6578
45°	4806	3727
55°	721	881
65°	68	102
75°	28	30
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16720.9
2.5°	16685.3
5°	16661.8
7.5°	16568.0
10°	16401.8
12.5°	16225.5
15°	16014.5
17.5°	15744.3
20°	15410.9
22.5°	15052.1
25°	14612.7
27.5°	14044.9
30°	13312.9
32.5°	12142.6
35°	10686.8
37.5°	9106.7
40°	7501.1
42.5°	6072.8
45°	4805.7
47.5°	3639.4
50°	2507.8
52.5°	1409.9
55°	720.7
57.5°	477.1
60°	289.5
62.5°	142.7
65°	68.3
67.5°	42.8
70°	35.7
72.5°	32.6
75°	28.5
77.5°	24.5
80°	20.4
82.5°	15.3
85°	10.2
87.5°	6.1
90°	0.0

(END OF REPORT)