

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: P1505481

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (3000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505481
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 (3000K_L36_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

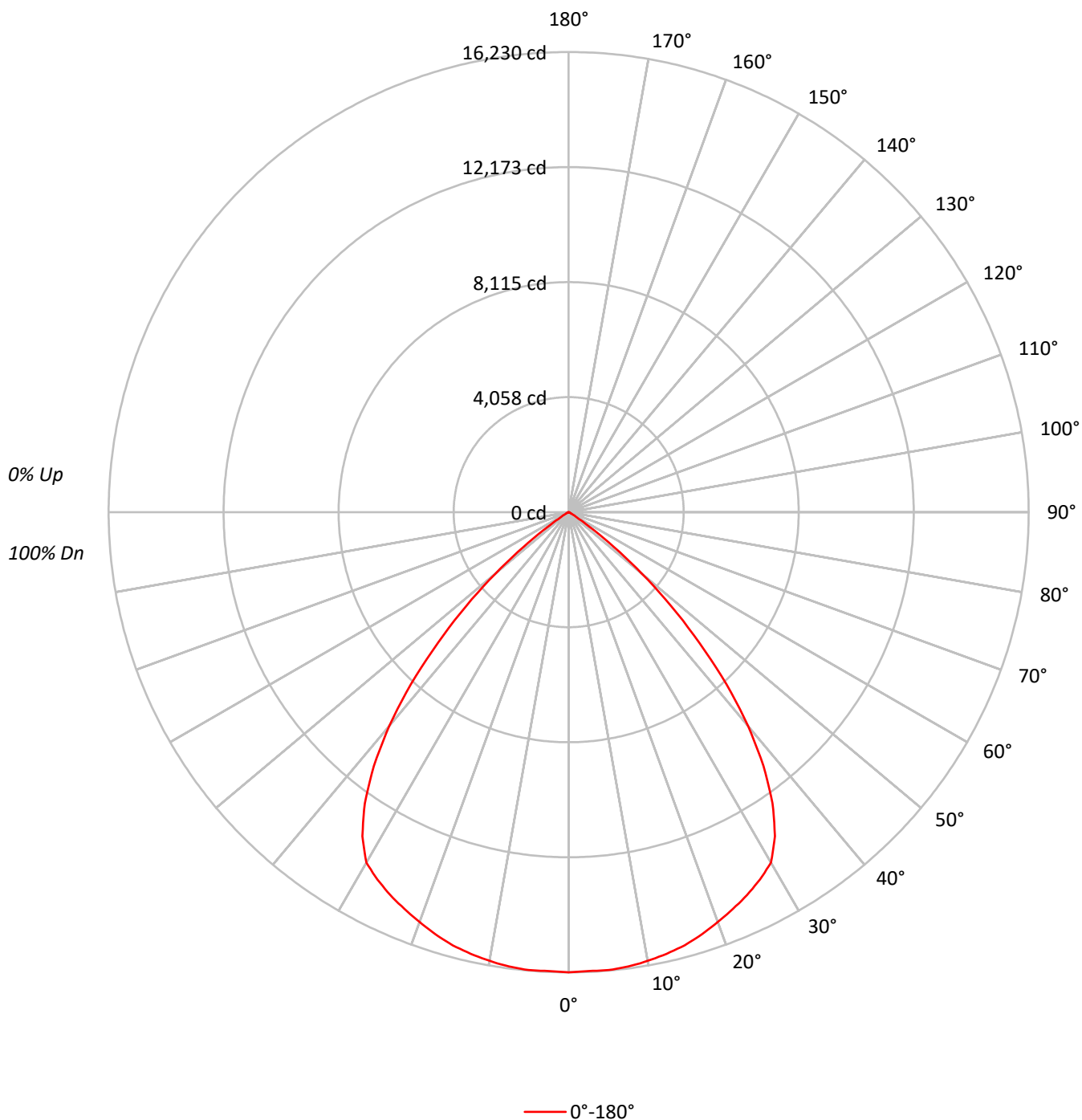
Lumens per Lamp: N/A
Luminaire Lumens: 26830.0 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.22
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 237.6
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°	103406
5°	103670
10°	103966
15°	104315
20°	104288
25°	104724
30°	105005
35°	97487
40°	81873
45°	58716
50°	33510
55°	9628
60°	2472
65°	1060
70°	866
75°	921
80°	958
85°	914

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 58716 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1542.7	5.7
10°-20°	4462.3	16.6
20°-30°	6867.6	25.6
30°-40°	7707.6	28.7
40°-50°	5016.8	18.7
50°-60°	1092.5	4.1
60°-70°	87.5	0.3
70°-80°	38.9	0.1
80°-90°	14.1	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°	12872.7	48.0
0°-40°	20580.3	76.7
0°-60°	26689.5	99.5
0°-90°	26830.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26830.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16230	
5°	16210	###
15°	15815	4462
25°	14897	6868
35°	12534	7708
45°	6517	5017
55°	867	1092
65°	70	88
75°	37	39
85°	12	14
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16230.3
2.5°	16199.7
5°	16209.9
7.5°	16163.3
10°	16070.3
12.5°	15953.5
15°	15815.1
17.5°	15613.1
20°	15381.7
22.5°	15145.7
25°	14897.2
27.5°	14606.8
30°	14273.3
32.5°	13544.9
35°	12534.1
37.5°	11287.2
40°	9844.1
42.5°	8238.8
45°	6516.6
47.5°	4901.1
50°	3380.8
52.5°	2005.8
55°	866.8
57.5°	335.8
60°	194.0
62.5°	112.3
65°	70.3
67.5°	53.3
70°	46.5
72.5°	42.0
75°	37.4
77.5°	31.8
80°	26.1
82.5°	19.3
85°	12.5
87.5°	6.8
90°	0.0

(END OF REPORT)