

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: P1505157

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (6500K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505157
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_L36_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

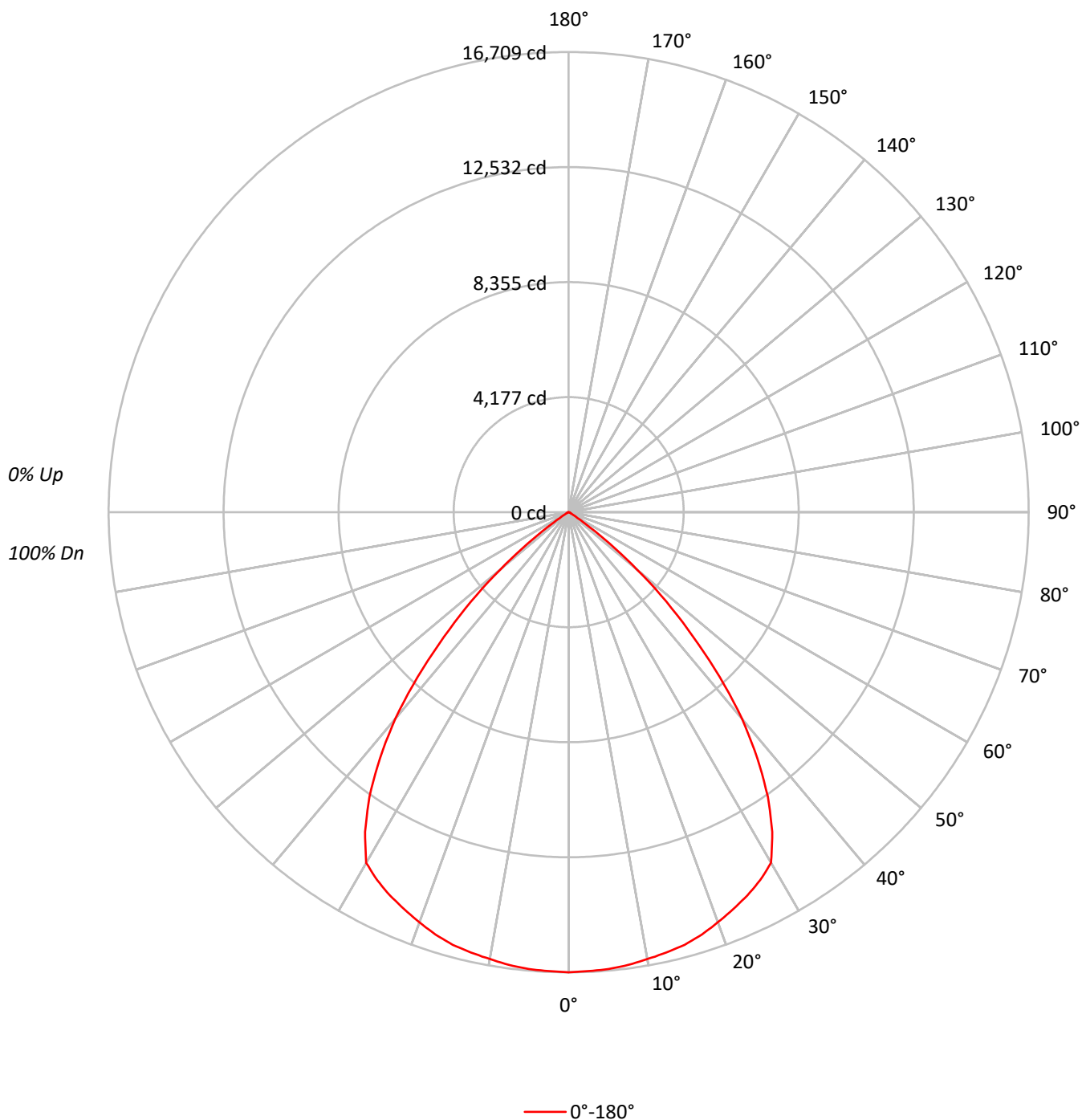
Lumens per Lamp: N/A
Luminaire Lumens: 27105.6 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.21
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 239.6
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					0
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	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°	111465
5°	111529
10°	111613
15°	112314
20°	112505
25°	113035
30°	113257
35°	102668
40°	85217
45°	60363
50°	33731
55°	8381
60°	2392
65°	1054
70°	891
75°	1026
80°	1126
85°	1079

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 60363 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1583.9	5.8
10°-20°	4589.2	16.9
20°-30°	7078.4	26.1
30°-40°	7772.2	28.7
40°-50°	4935.5	18.2
50°-60°	1008.0	3.7
60°-70°	81.5	0.3
70°-80°	41.1	0.2
80°-90°	15.8	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°	13251.5	48.9
0°-40°	21023.8	77.6
0°-60°	26967.2	99.5
0°-90°	27105.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27105.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16709	
5°	16655	###
15°	16263	4589
25°	15357	7078
35°	12607	7772
45°	6398	4935
55°	721	1008
65°	67	82
75°	40	41
85°	14	16
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16709.0
2.5°	16676.2
5°	16655.1
7.5°	16581.3
10°	16477.0
12.5°	16378.6
15°	16262.6
17.5°	16079.8
20°	15847.9
22.5°	15605.3
25°	15356.9
27.5°	15064.0
30°	14703.1
32.5°	13762.3
35°	12607.1
37.5°	11260.8
40°	9785.7
42.5°	8123.1
45°	6398.4
47.5°	4810.8
50°	3250.2
52.5°	1874.7
55°	720.6
57.5°	303.5
60°	179.3
62.5°	101.9
65°	66.8
67.5°	50.4
70°	45.7
72.5°	43.4
75°	39.8
77.5°	35.1
80°	29.3
82.5°	22.3
85°	14.1
87.5°	7.0
90°	0.0

(END OF REPORT)