

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: P1505479

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (3000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505479
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 (3000K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

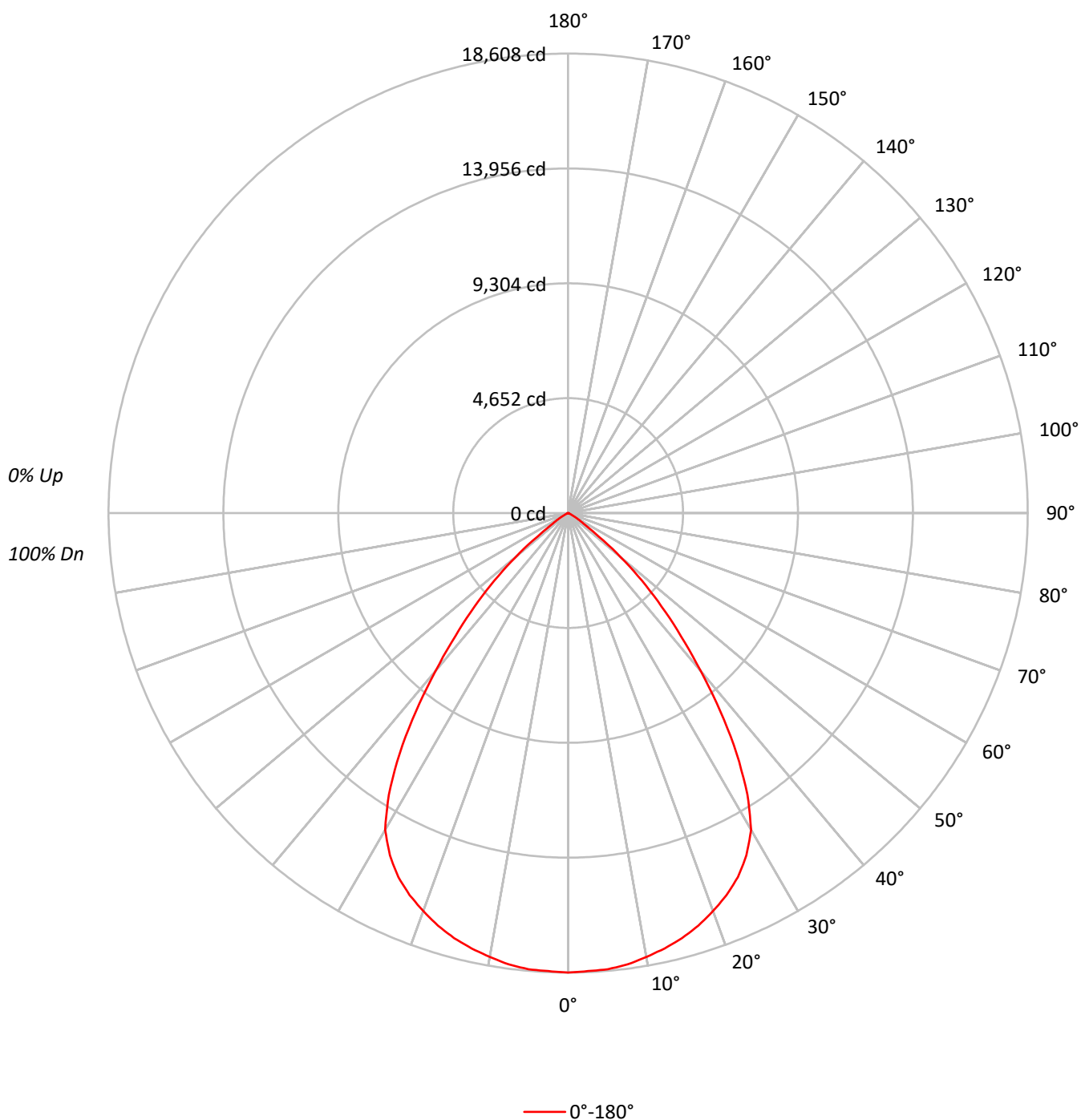
Lumens per Lamp: N/A
Luminaire Lumens: 26838.6 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.11
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	118555
5°	118588
10°	118087
15°	117552
20°	116280
25°	114319
30°	108995
35°	92501
40°	69427
45°	48187
50°	27663
55°	8910
60°	4106
65°	1146
70°	740
75°	783
80°	833
85°	826

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48187 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1760.7	6.6
10°-20°	5023.0	18.7
20°-30°	7447.2	27.7
30°-40°	7320.0	27.3
40°-50°	4148.2	15.5
50°-60°	980.1	3.7
60°-70°	113.3	0.4
70°-80°	33.4	0.1
80°-90°	12.6	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°	14231.0	53.0
0°-40°	21551.0	80.3
0°-60°	26679.3	99.4
0°-90°	26838.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26838.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18608	
5°	18542	###
15°	17822	5023
25°	16262	7447
35°	11893	7320
45°	5348	4148
55°	802	980
65°	76	113
75°	32	33
85°	11	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18608.2
2.5°	18568.5
5°	18542.4
7.5°	18438.0
10°	18253.1
12.5°	18056.8
15°	17822.0
17.5°	17521.4
20°	17150.4
22.5°	16751.0
25°	16262.1
27.5°	15630.1
30°	14815.6
32.5°	13513.1
35°	11893.1
37.5°	10134.6
40°	8347.7
42.5°	6758.3
45°	5348.1
47.5°	4050.2
50°	2790.9
52.5°	1569.0
55°	802.1
57.5°	531.0
60°	322.2
62.5°	158.8
65°	76.0
67.5°	47.6
70°	39.7
72.5°	36.3
75°	31.8
77.5°	27.2
80°	22.7
82.5°	17.0
85°	11.3
87.5°	6.8
90°	0.0

(END OF REPORT)