

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: P1505155

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (6500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505155
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-104)
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_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

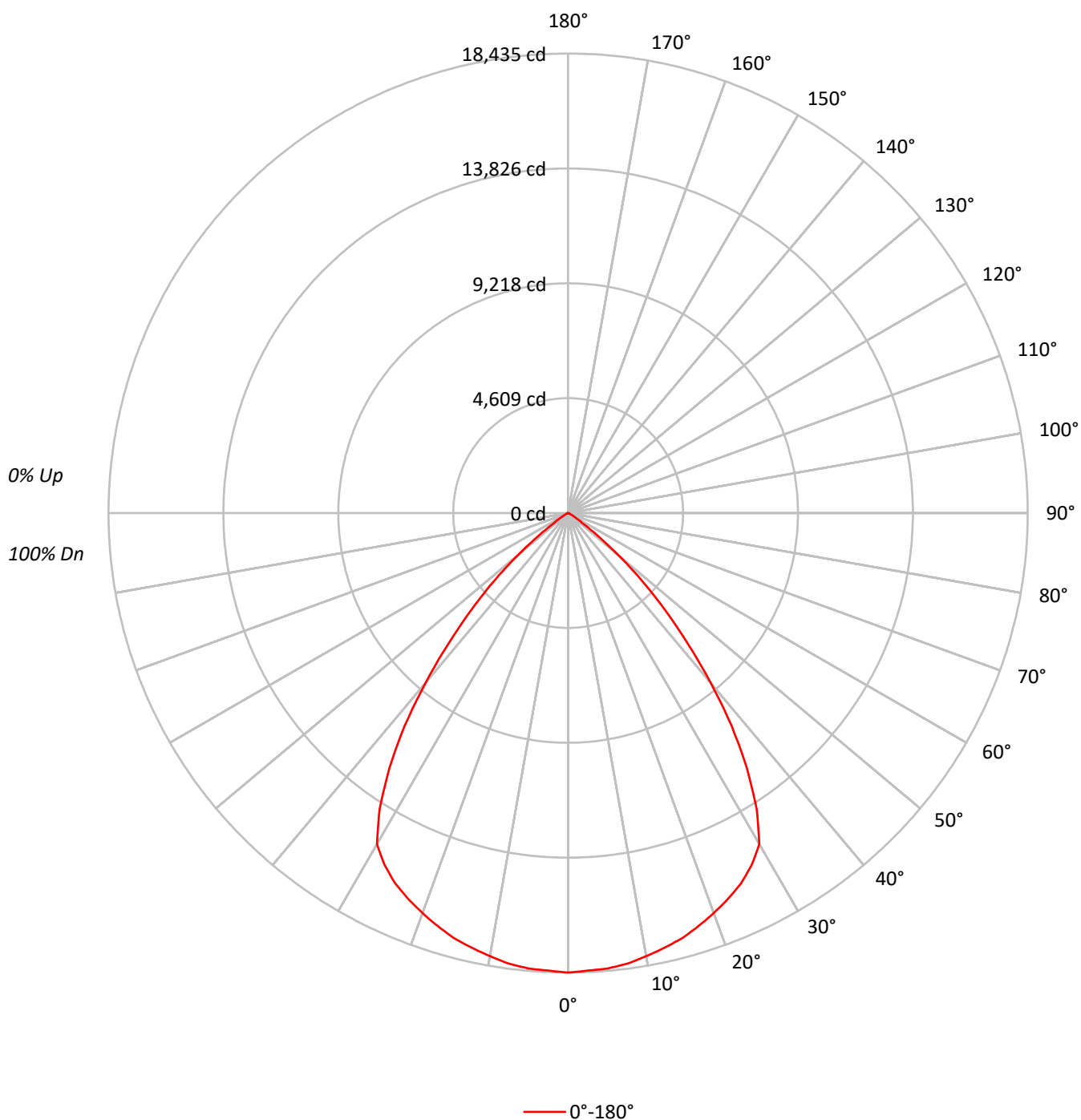
Lumens per Lamp: N/A
Luminaire Lumens: 27230.0 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	122978
5°	122804
10°	122264
15°	121959
20°	121247
25°	120702
30°	118104
35°	101733
40°	77442
45°	51509
50°	27566
55°	7849
60°	3502
65°	1091
70°	823
75°	905
80°	991
85°	1079

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51509 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1741.4	6.4
10°-20°	4979.8	18.3
20°-30°	7532.3	27.7
30°-40°	7685.9	28.2
40°-50°	4260.7	15.6
50°-60°	880.8	3.2
60°-70°	97.6	0.4
70°-80°	36.8	0.1
80°-90°	14.7	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°	14253.5	52.3
0°-40°	21939.4	80.6
0°-60°	27080.9	99.5
0°-90°	27230.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27230.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18435	
5°	18339	###
15°	17659	4980
25°	16398	7532
35°	12492	7686
45°	5460	4261
55°	675	881
65°	69	98
75°	35	37
85°	14	15
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	18434.9
2.5°	18375.1
5°	18338.8
7.5°	18232.2
10°	18049.4
12.5°	17863.1
15°	17659.2
17.5°	17380.4
20°	17079.3
22.5°	16755.9
25°	16398.5
27.5°	15932.2
30°	15332.3
32.5°	14066.9
35°	12492.2
37.5°	10773.4
40°	8892.9
42.5°	7093.2
45°	5459.9
47.5°	4017.6
50°	2656.2
52.5°	1444.7
55°	674.9
57.5°	434.7
60°	262.5
62.5°	130.1
65°	69.1
67.5°	46.9
70°	42.2
72.5°	38.7
75°	35.1
77.5°	31.6
80°	25.8
82.5°	19.9
85°	14.1
87.5°	7.0
90°	0.0

(END OF REPORT)