

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: P1505146

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (5000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505146
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 (5000K_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

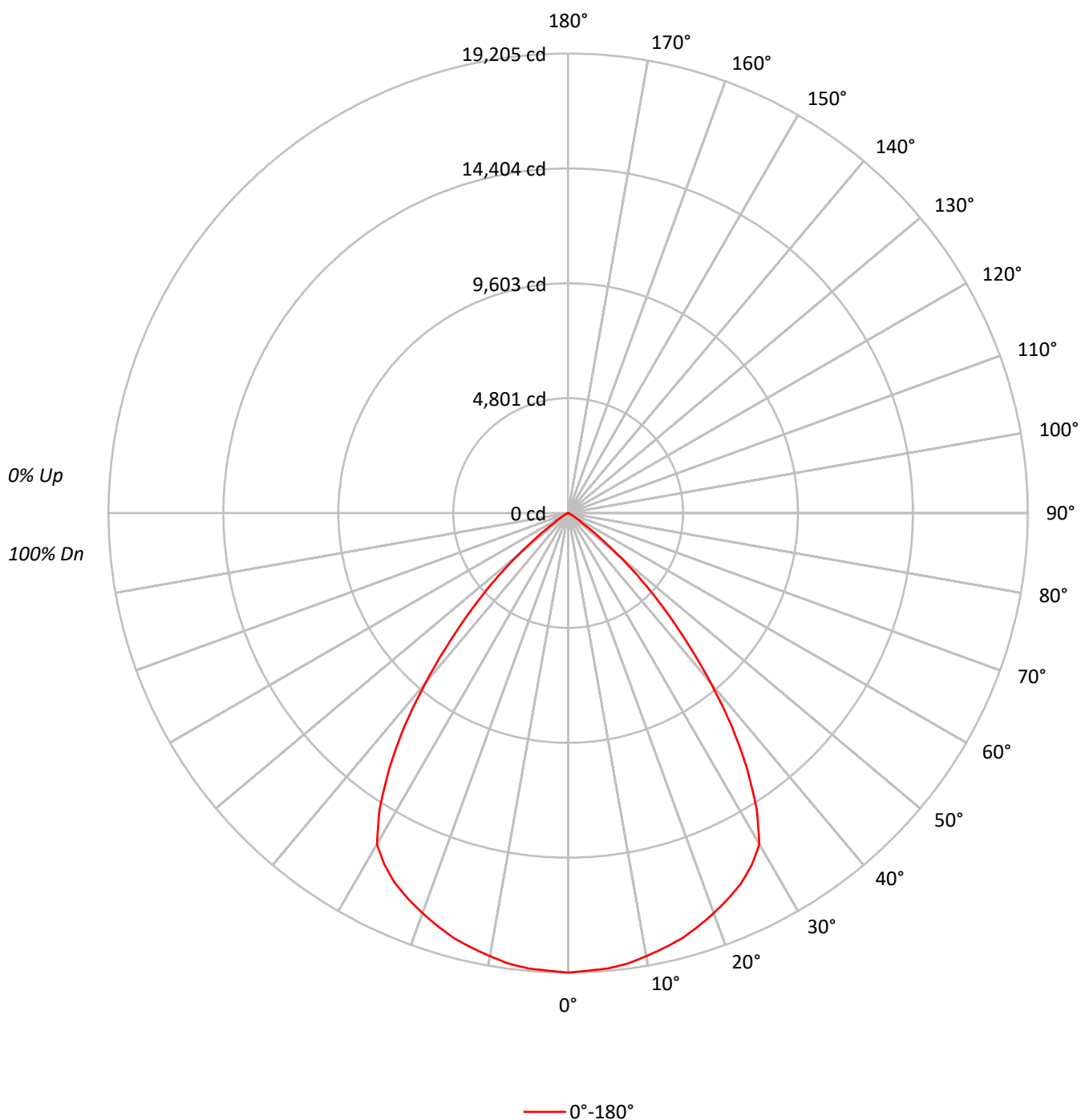
Lumens per Lamp: N/A
Luminaire Lumens: 28367.5 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 233.3
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°	128116
5°	127935
10°	127372
15°	127054
20°	126312
25°	125745
30°	123038
35°	105983
40°	80677
45°	53661
50°	28717
55°	8177
60°	3648
65°	1137
70°	856
75°	943
80°	1033
85°	1117

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 53661 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1814.2	6.4
10°-20°	5187.8	18.3
20°-30°	7847.0	27.7
30°-40°	8007.0	28.2
40°-50°	4438.7	15.6
50°-60°	917.6	3.2
60°-70°	101.6	0.4
70°-80°	38.4	0.1
80°-90°	15.3	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°	14849.0	52.3
0°-40°	22855.9	80.6
0°-60°	28212.2	99.5
0°-90°	28367.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28367.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19205	
5°	19105	###
15°	18397	5188
25°	17084	7847
35°	13014	8007
45°	5688	4439
55°	703	918
65°	72	102
75°	37	38
85°	15	15
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	19205.1
2.5°	19142.8
5°	19105.0
7.5°	18993.9
10°	18803.5
12.5°	18609.4
15°	18397.0
17.5°	18106.5
20°	17792.8
22.5°	17455.9
25°	17083.6
27.5°	16597.8
30°	15972.9
32.5°	14654.6
35°	13014.1
37.5°	11223.5
40°	9264.4
42.5°	7389.6
45°	5688.0
47.5°	4185.5
50°	2767.1
52.5°	1505.0
55°	703.1
57.5°	452.8
60°	273.4
62.5°	135.5
65°	72.0
67.5°	48.8
70°	43.9
72.5°	40.3
75°	36.6
77.5°	33.0
80°	26.9
82.5°	20.8
85°	14.6
87.5°	7.3
90°	0.0

(END OF REPORT)