

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: P1505148

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (5000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505148
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 (5000K_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

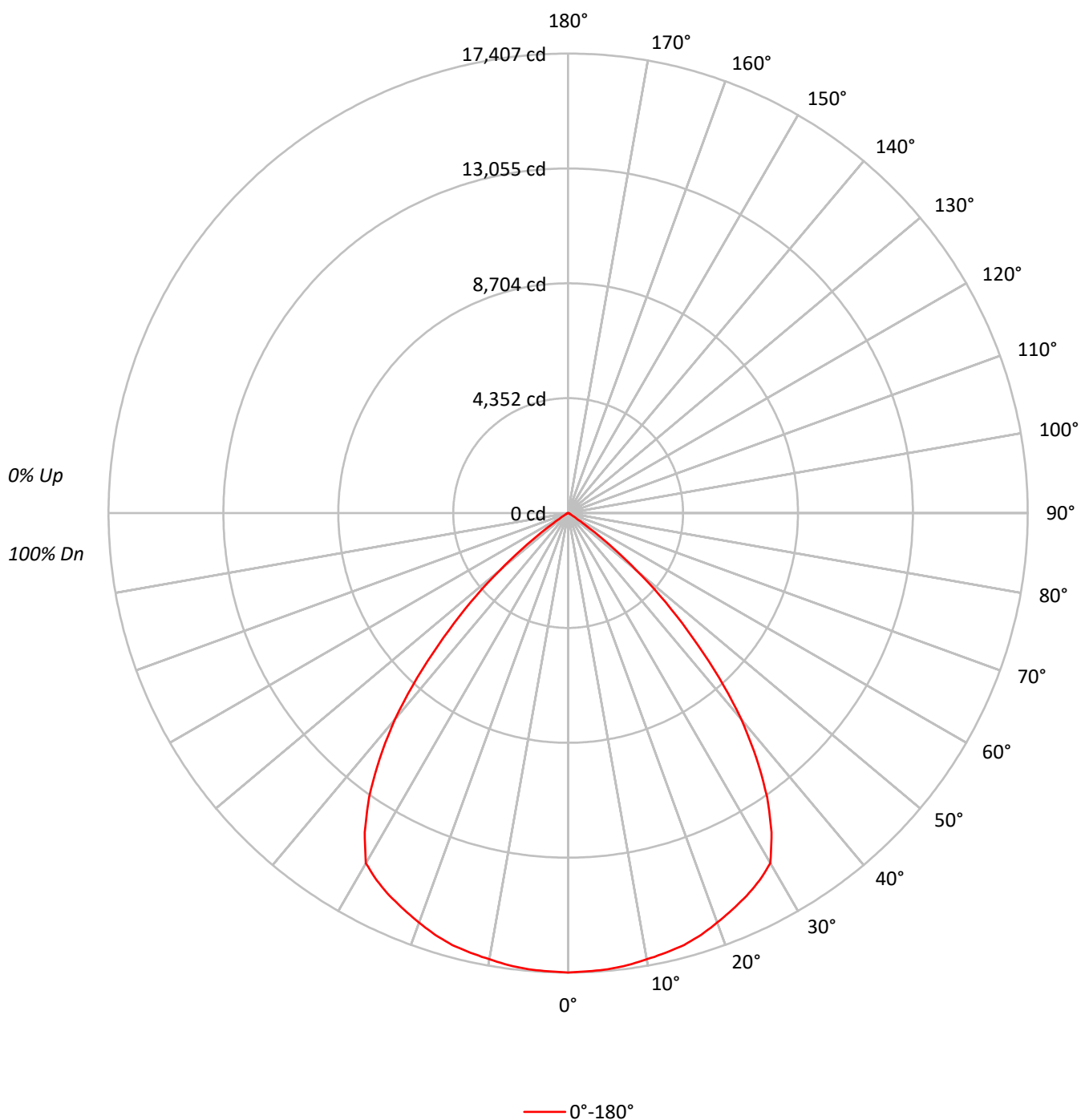
Lumens per Lamp: N/A
Luminaire Lumens: 28238.1 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.21
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 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	0		
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°	116121
5°	116189
10°	116276
15°	117006
20°	117205
25°	117758
30°	117989
35°	106958
40°	88777
45°	62885
50°	35140
55°	8731
60°	2492
65°	1099
70°	928
75°	1070
80°	1172
85°	1117

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 62885 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1650.1	5.8
10°-20°	4780.9	16.9
20°-30°	7374.2	26.1
30°-40°	8097.0	28.7
40°-50°	5141.7	18.2
50°-60°	1050.1	3.7
60°-70°	84.9	0.3
70°-80°	42.9	0.2
80°-90°	16.4	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°	13805.2	48.9
0°-40°	21902.1	77.6
0°-60°	28093.9	99.5
0°-90°	28238.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28238.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17407	
5°	17351	###
15°	16942	4781
25°	15998	7374
35°	13134	8097
45°	6666	5142
55°	751	1050
65°	70	85
75°	42	43
85°	15	16
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	17407.1
2.5°	17372.9
5°	17351.0
7.5°	17274.1
10°	17165.4
12.5°	17062.9
15°	16942.1
17.5°	16751.6
20°	16510.0
22.5°	16257.3
25°	15998.5
27.5°	15693.4
30°	15317.4
32.5°	14337.3
35°	13133.8
37.5°	11731.3
40°	10194.5
42.5°	8462.5
45°	6665.7
47.5°	5011.8
50°	3386.0
52.5°	1953.0
55°	750.7
57.5°	316.1
60°	186.8
62.5°	106.2
65°	69.6
67.5°	52.5
70°	47.6
72.5°	45.2
75°	41.5
77.5°	36.6
80°	30.5
82.5°	23.2
85°	14.6
87.5°	7.3
90°	0.0

(END OF REPORT)