

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: P1505517

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505517
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-117)
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 (6500K_L36_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

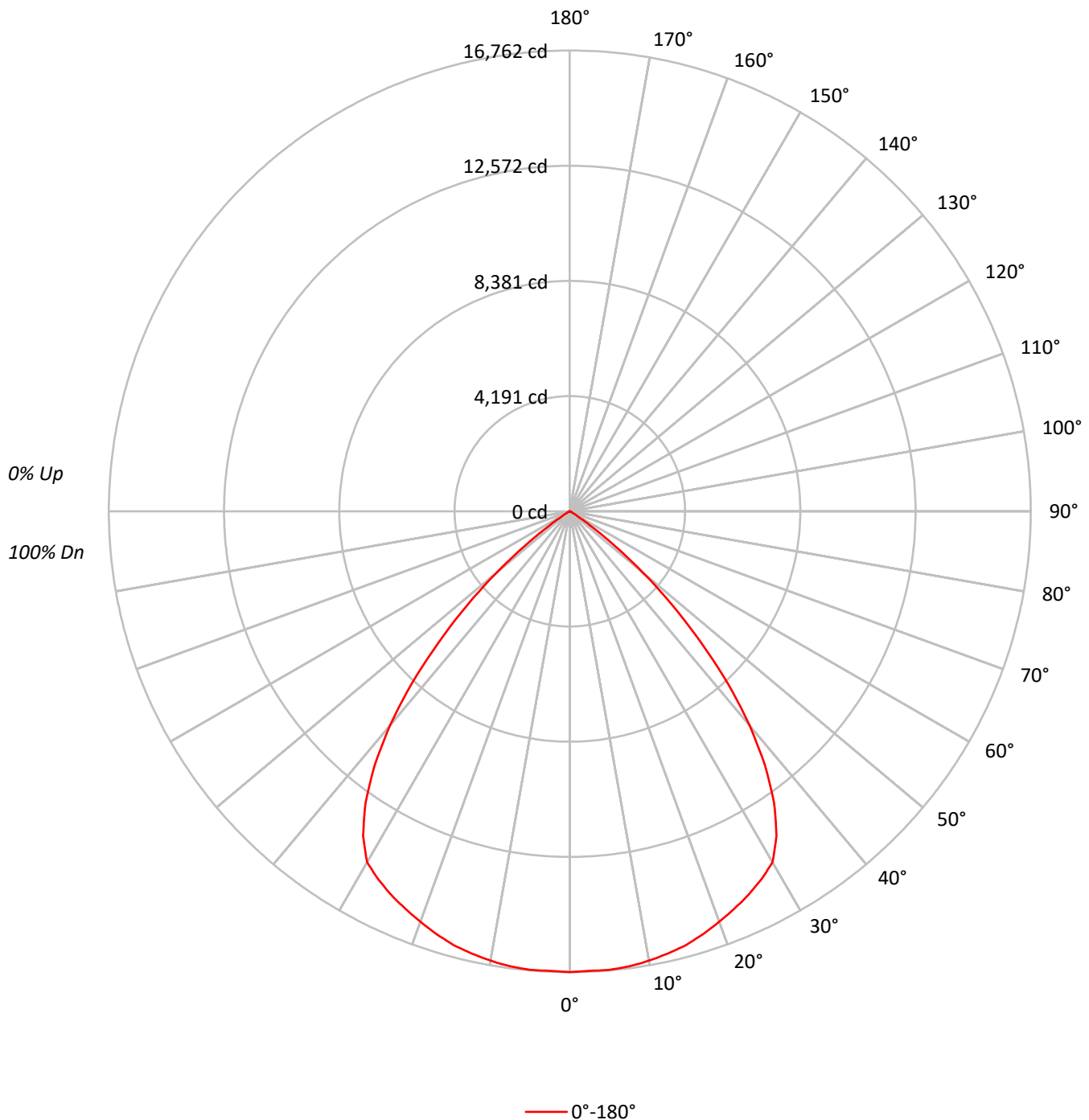
Lumens per Lamp: N/A
Luminaire Lumens: 27708.6 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.22
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

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	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	93	92		
2	106	100	95	91	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61		
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56		
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51		
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46		
9	67	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43		
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	106791
5°	107065
10°	107370
15°	107730
20°	107703
25°	108154
30°	108443
35°	100679
40°	84554
45°	60638
50°	34607
55°	9943
60°	2554
65°	1094
70°	894
75°	953
80°	987
85°	943

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 60638 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1593.2	5.7
10°-20°	4608.5	16.6
20°-30°	7092.5	25.6
30°-40°	7960.0	28.7
40°-50°	5181.1	18.7
50°-60°	1128.2	4.1
60°-70°	90.4	0.3
70°-80°	40.2	0.1
80°-90°	14.5	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°	13294.2	48.0
0°-40°	21254.2	76.7
0°-60°	27563.5	99.5
0°-90°	27708.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27708.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16762	
5°	16741	###
15°	16333	4608
25°	15385	7093
35°	12944	7960
45°	6730	5181
55°	895	1128
65°	73	90
75°	39	40
85°	13	14
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16761.7
2.5°	16730.1
5°	16740.7
7.5°	16692.6
10°	16596.5
12.5°	16475.9
15°	16332.9
17.5°	16124.4
20°	15885.3
22.5°	15641.6
25°	15385.1
27.5°	15085.1
30°	14740.6
32.5°	13988.4
35°	12944.5
37.5°	11656.8
40°	10166.5
42.5°	8508.6
45°	6730.0
47.5°	5061.6
50°	3491.5
52.5°	2071.5
55°	895.1
57.5°	346.8
60°	200.4
62.5°	116.0
65°	72.6
67.5°	55.1
70°	48.0
72.5°	43.4
75°	38.7
77.5°	32.8
80°	26.9
82.5°	19.9
85°	12.9
87.5°	7.0
90°	0.0

(END OF REPORT)