

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: P1505130

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (3500K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505130
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 (3500K_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

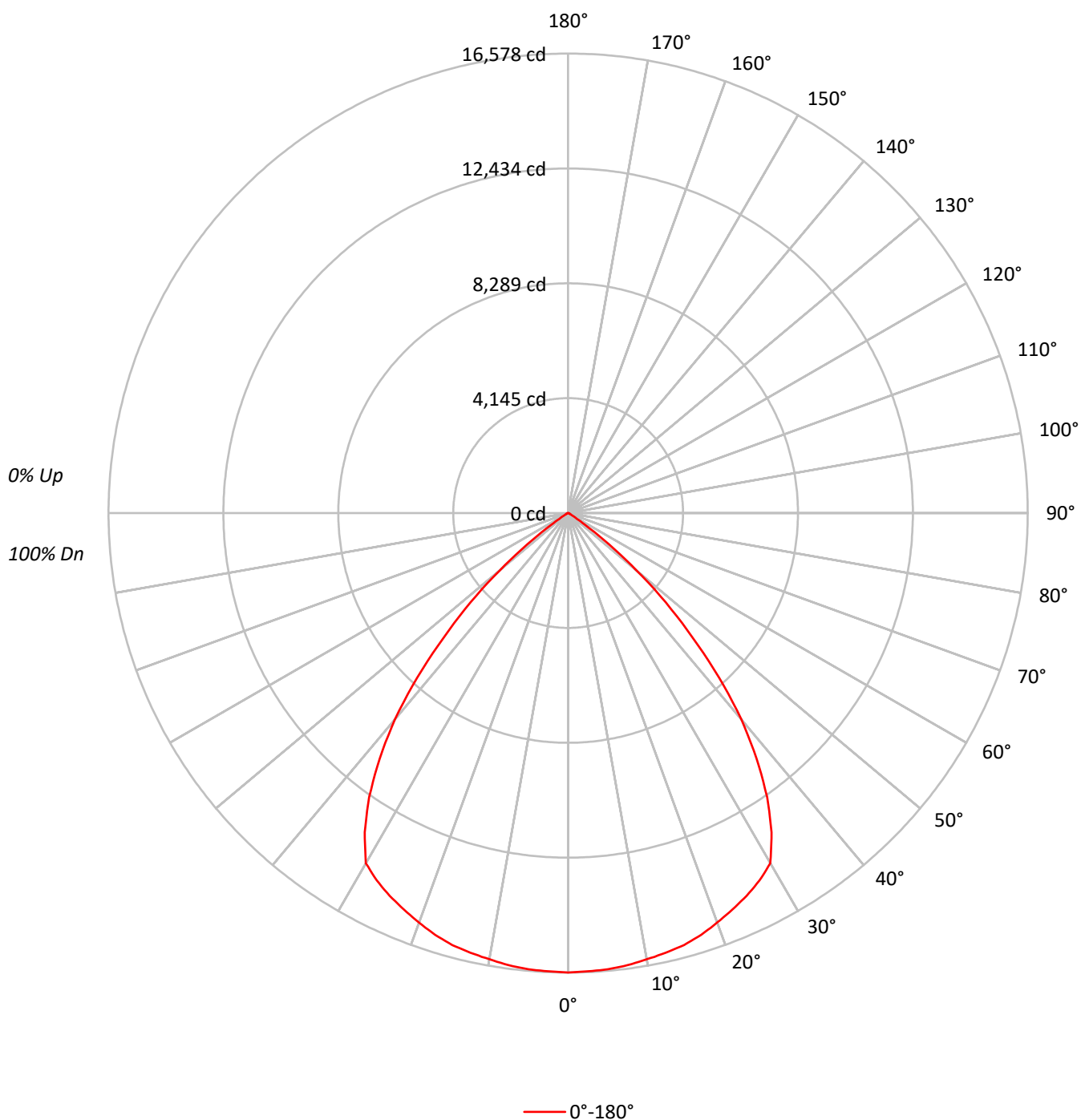
Lumens per Lamp: N/A
Luminaire Lumens: 26892.5 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.21
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 235.4
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°	110588
5°	110652
10°	110735
15°	111430
20°	111620
25°	112147
30°	112366
35°	101861
40°	84546
45°	59889
50°	33465
55°	8315
60°	2374
65°	1047
70°	884
75°	1018
80°	1118
85°	1064

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 59889 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1571.4	5.8
10°-20°	4553.1	16.9
20°-30°	7022.8	26.1
30°-40°	7711.1	28.7
40°-50°	4896.6	18.2
50°-60°	1000.0	3.7
60°-70°	80.9	0.3
70°-80°	40.8	0.2
80°-90°	15.7	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°	13147.3	48.9
0°-40°	20858.4	77.6
0°-60°	26755.1	99.5
0°-90°	26892.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26892.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16578	
5°	16524	###
15°	16135	4553
25°	15236	7023
35°	12508	7711
45°	6348	4897
55°	715	1000
65°	66	81
75°	40	41
85°	14	16
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16577.6
2.5°	16545.1
5°	16524.1
7.5°	16450.9
10°	16347.5
12.5°	16249.8
15°	16134.7
17.5°	15953.4
20°	15723.2
22.5°	15482.6
25°	15236.2
27.5°	14945.5
30°	14587.5
32.5°	13654.1
35°	12507.9
37.5°	11172.3
40°	9708.7
42.5°	8059.2
45°	6348.1
47.5°	4773.0
50°	3224.6
52.5°	1859.9
55°	714.9
57.5°	301.1
60°	177.9
62.5°	101.1
65°	66.3
67.5°	50.0
70°	45.3
72.5°	43.0
75°	39.5
77.5°	34.9
80°	29.1
82.5°	22.1
85°	13.9
87.5°	7.0
90°	0.0

(END OF REPORT)