

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: P1505490

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505490
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 (3500K_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

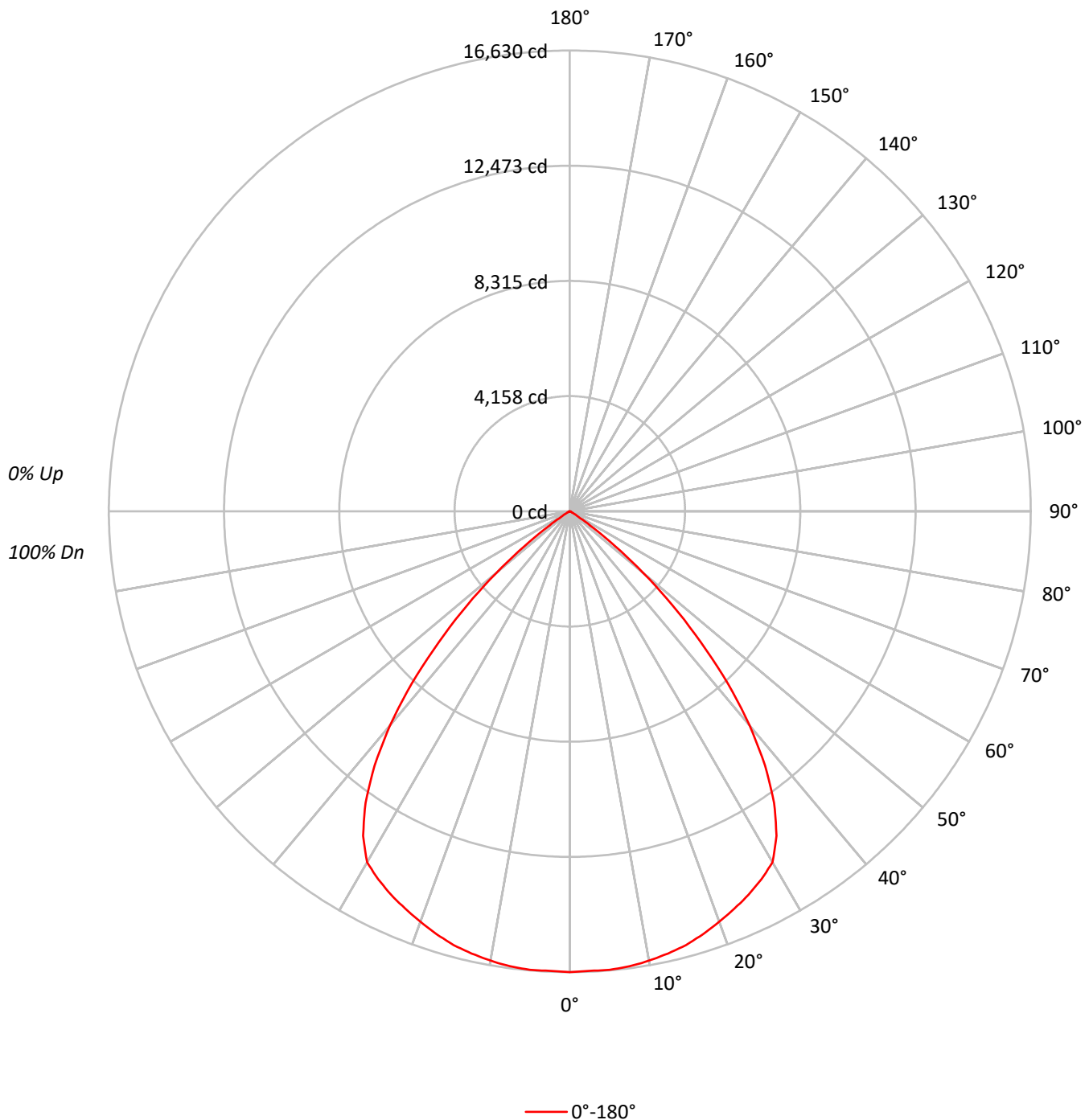
Lumens per Lamp: N/A
Luminaire Lumens: 27490.7 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.22
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	105951
5°	106223
10°	106526
15°	106883
20°	106856
25°	107303
30°	107590
35°	99887
40°	83889
45°	60162
50°	34335
55°	9865
60°	2533
65°	1087
70°	889
75°	945
80°	980
85°	936

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 60162 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1580.7	5.7
10°-20°	4572.2	16.6
20°-30°	7036.7	25.6
30°-40°	7897.4	28.7
40°-50°	5140.3	18.7
50°-60°	1119.4	4.1
60°-70°	89.7	0.3
70°-80°	39.9	0.1
80°-90°	14.4	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°	13189.6	48.0
0°-40°	21087.0	76.7
0°-60°	27346.7	99.5
0°-90°	27490.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27490.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16630	
5°	16609	###
15°	16204	4572
25°	15264	7037
35°	12843	7897
45°	6677	5140
55°	888	1119
65°	72	90
75°	38	40
85°	13	14
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16629.9
2.5°	16598.5
5°	16609.0
7.5°	16561.3
10°	16466.0
12.5°	16346.3
15°	16204.5
17.5°	15997.6
20°	15760.4
22.5°	15518.6
25°	15264.1
27.5°	14966.5
30°	14624.7
32.5°	13878.4
35°	12842.7
37.5°	11565.2
40°	10086.5
42.5°	8441.7
45°	6677.1
47.5°	5021.8
50°	3464.1
52.5°	2055.2
55°	888.1
57.5°	344.1
60°	198.8
62.5°	115.1
65°	72.1
67.5°	54.6
70°	47.7
72.5°	43.0
75°	38.4
77.5°	32.5
80°	26.7
82.5°	19.8
85°	12.8
87.5°	7.0
90°	0.0

(END OF REPORT)