

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: P1505304

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505304
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-93)
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-04-BLAK-PS (3500K_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

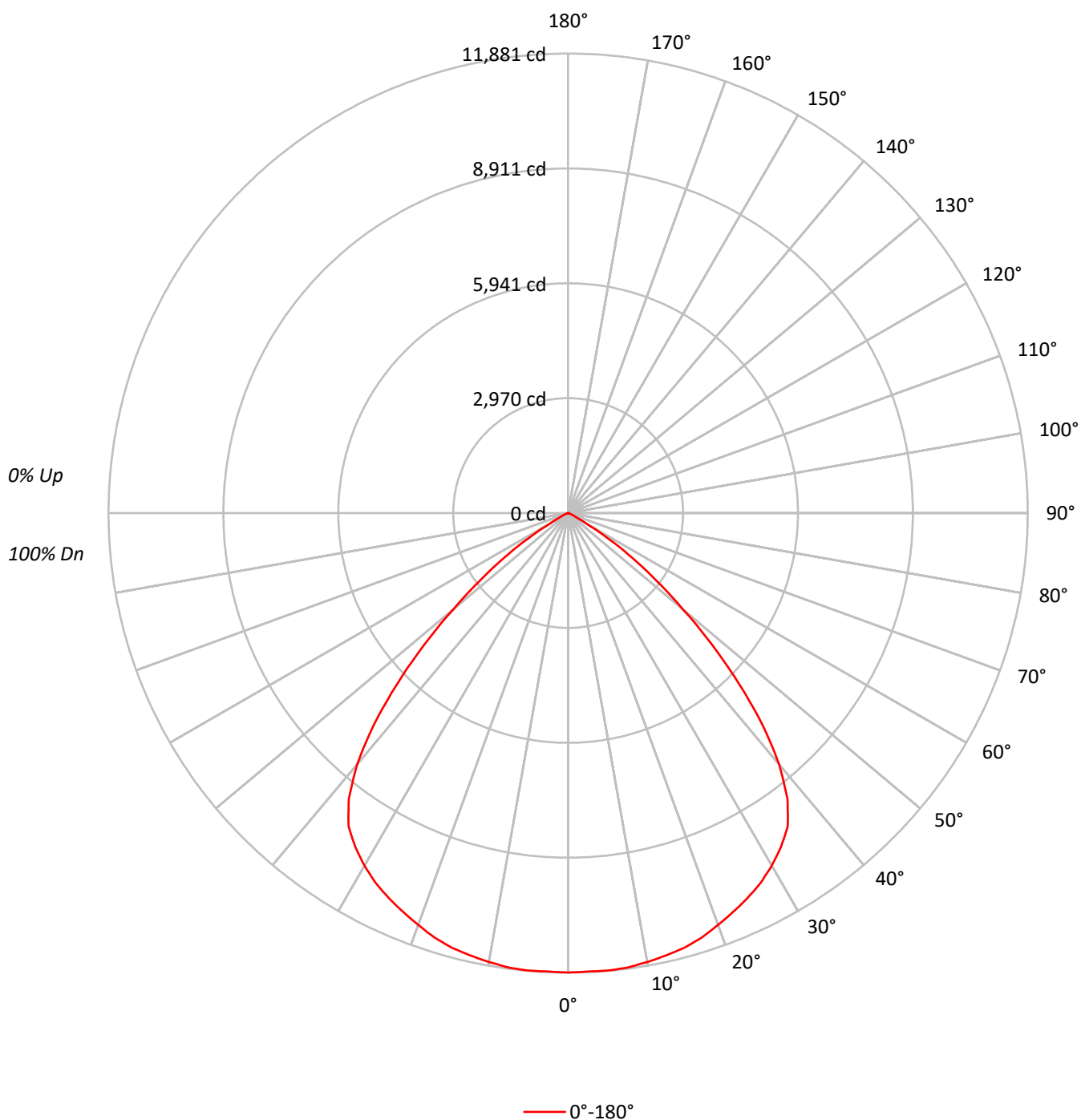
Lumens per Lamp: N/A
Luminaire Lumens: 22410.3 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 157.5
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	112	109	106	103	110	107	104	102	103	100	98	99	97	96	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81		
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73		
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65		
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	79	68	61	56	78	67	60	55	66	60	55	64	59	55	63	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	38	47	42	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	85093
5°	85365
10°	85706
15°	86242
20°	86359
25°	86764
30°	87064
35°	86542
40°	79390
45°	63349
50°	43310
55°	25393
60°	7708
65°	2435
70°	836
75°	506
80°	615
85°	748

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63349 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1130.6	5.0
10°-20°	3282.5	14.6
20°-30°	5062.9	22.6
30°-40°	6093.4	27.2
40°-50°	4779.4	21.3
50°-60°	1846.9	8.2
60°-70°	182.2	0.8
70°-80°	23.2	0.1
80°-90°	9.3	0.0
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°	9476.0	42.3
0°-40°	15569.4	69.5
0°-60°	22195.7	99.0
0°-90°	22410.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22410.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11881	
5°	11874	###
15°	11632	3282
25°	10980	5063
35°	9898	6093
45°	6255	4779
55°	2034	1847
65°	144	182
75°	18	23
85°	9	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	11881.4
2.5°	11864.8
5°	11874.0
7.5°	11849.1
10°	11785.1
12.5°	11713.7
15°	11631.5
17.5°	11505.3
20°	11330.9
22.5°	11159.0
25°	10979.6
27.5°	10777.0
30°	10527.9
32.5°	10235.6
35°	9898.4
37.5°	9308.0
40°	8491.7
42.5°	7446.2
45°	6254.6
47.5°	5050.5
50°	3887.1
52.5°	2882.3
55°	2033.7
57.5°	1233.2
60°	538.1
62.5°	234.2
65°	143.7
67.5°	78.1
70°	39.9
72.5°	25.7
75°	18.3
77.5°	16.6
80°	14.9
82.5°	12.5
85°	9.1
87.5°	5.0
90°	0.0

(END OF REPORT)