

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: P1505493

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (4000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505493
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 (4000K_L24_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

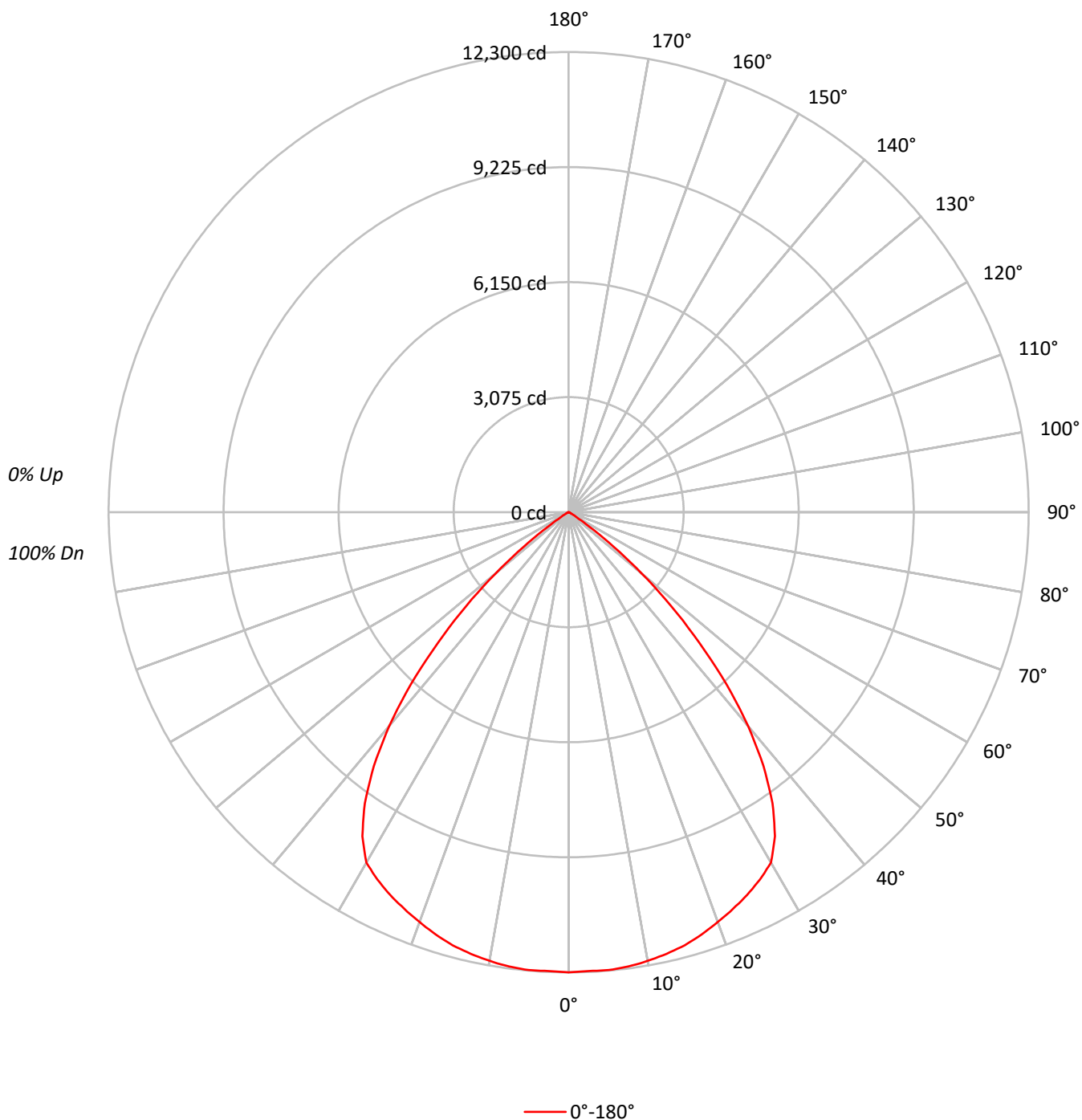
Lumens per Lamp: N/A
Luminaire Lumens: 20333.8 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.22
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 155.7
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°	78368
5°	78568
10°	78793
15°	79057
20°	79038
25°	79368
30°	79580
35°	73882
40°	62049
45°	44499
50°	25396
55°	7297
60°	1873
65°	804
70°	658
75°	699
80°	726
85°	694

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44499 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1169.2	5.7
10°-20°	3381.9	16.6
20°-30°	5204.8	25.6
30°-40°	5841.4	28.7
40°-50°	3802.1	18.7
50°-60°	828.0	4.1
60°-70°	66.3	0.3
70°-80°	29.5	0.1
80°-90°	10.7	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°	9755.9	48.0
0°-40°	15597.2	76.7
0°-60°	20227.3	99.5
0°-90°	20333.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20333.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12300	
5°	12285	###
15°	11986	3382
25°	11290	5205
35°	9499	5841
45°	4939	3802
55°	657	828
65°	53	66
75°	28	30
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	12300.5
2.5°	12277.3
5°	12285.0
7.5°	12249.8
10°	12179.3
12.5°	12090.7
15°	11985.8
17.5°	11832.8
20°	11657.4
22.5°	11478.5
25°	11290.2
27.5°	11070.1
30°	10817.3
32.5°	10265.3
35°	9499.2
37.5°	8554.3
40°	7460.6
42.5°	6244.0
45°	4938.8
47.5°	3714.4
50°	2562.2
52.5°	1520.2
55°	656.9
57.5°	254.5
60°	147.0
62.5°	85.1
65°	53.3
67.5°	40.4
70°	35.3
72.5°	31.8
75°	28.4
77.5°	24.1
80°	19.8
82.5°	14.6
85°	9.5
87.5°	5.2
90°	0.0

(END OF REPORT)