

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: P1504965

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (5000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504965
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-81)
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-04-BLAK-PS (5000K_L32_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

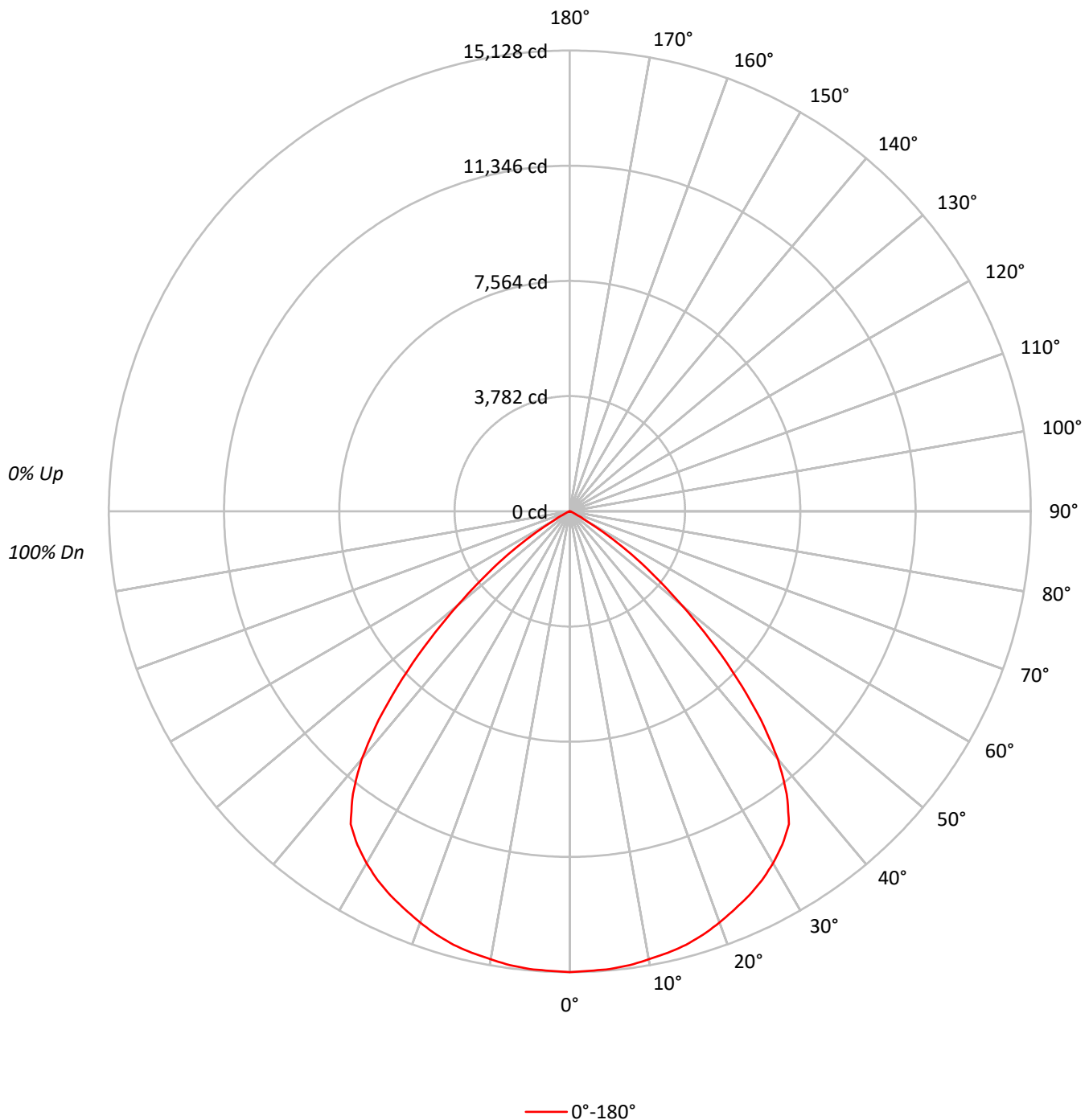
Lumens per Lamp: N/A
Luminaire Lumens: 28158.2 lumens
Efficiency: N/A
Efficacy: 144.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.29
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 195.5
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	99	99	97	96	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81		
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73		
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65		
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48		
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39		
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	111001
5°	111107
10°	111253
15°	111939
20°	112176
25°	112673
30°	113039
35°	112305
40°	101720
45°	80573
50°	54663
55°	31735
60°	9402
65°	3037
70°	1041
75°	627
80°	756
85°	977

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 80573 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1435.0	5.1
10°-20°	4158.9	14.8
20°-30°	6416.1	22.8
30°-40°	7692.0	27.3
40°-50°	5936.2	21.1
50°-60°	2258.1	8.0
60°-70°	222.7	0.8
70°-80°	27.6	0.1
80°-90°	11.6	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°	12010.0	42.7
0°-40°	19702.0	70.0
0°-60°	27896.3	99.1
0°-90°	28158.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28158.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15128	
5°	15084	###
15°	14736	4159
25°	13917	6416
35°	12537	7692
45°	7765	5936
55°	2481	2258
65°	175	223
75°	22	28
85°	12	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15127.7
2.5°	15097.2
5°	15084.5
7.5°	15028.7
10°	14931.7
12.5°	14845.3
15°	14735.7
17.5°	14570.3
20°	14365.8
22.5°	14139.2
25°	13916.9
27.5°	13654.5
30°	13341.5
32.5°	12975.8
35°	12537.4
37.5°	11691.2
40°	10619.5
42.5°	9277.9
45°	7764.6
47.5°	6237.6
50°	4788.6
52.5°	3550.4
55°	2480.7
57.5°	1480.6
60°	640.7
62.5°	295.1
65°	174.9
67.5°	95.9
70°	48.5
72.5°	29.5
75°	22.1
77.5°	20.0
80°	17.9
82.5°	15.8
85°	11.6
87.5°	6.3
90°	0.0

(END OF REPORT)