

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: P1505631

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (4000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505631
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-123)
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-WHGL-PS (4000K_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

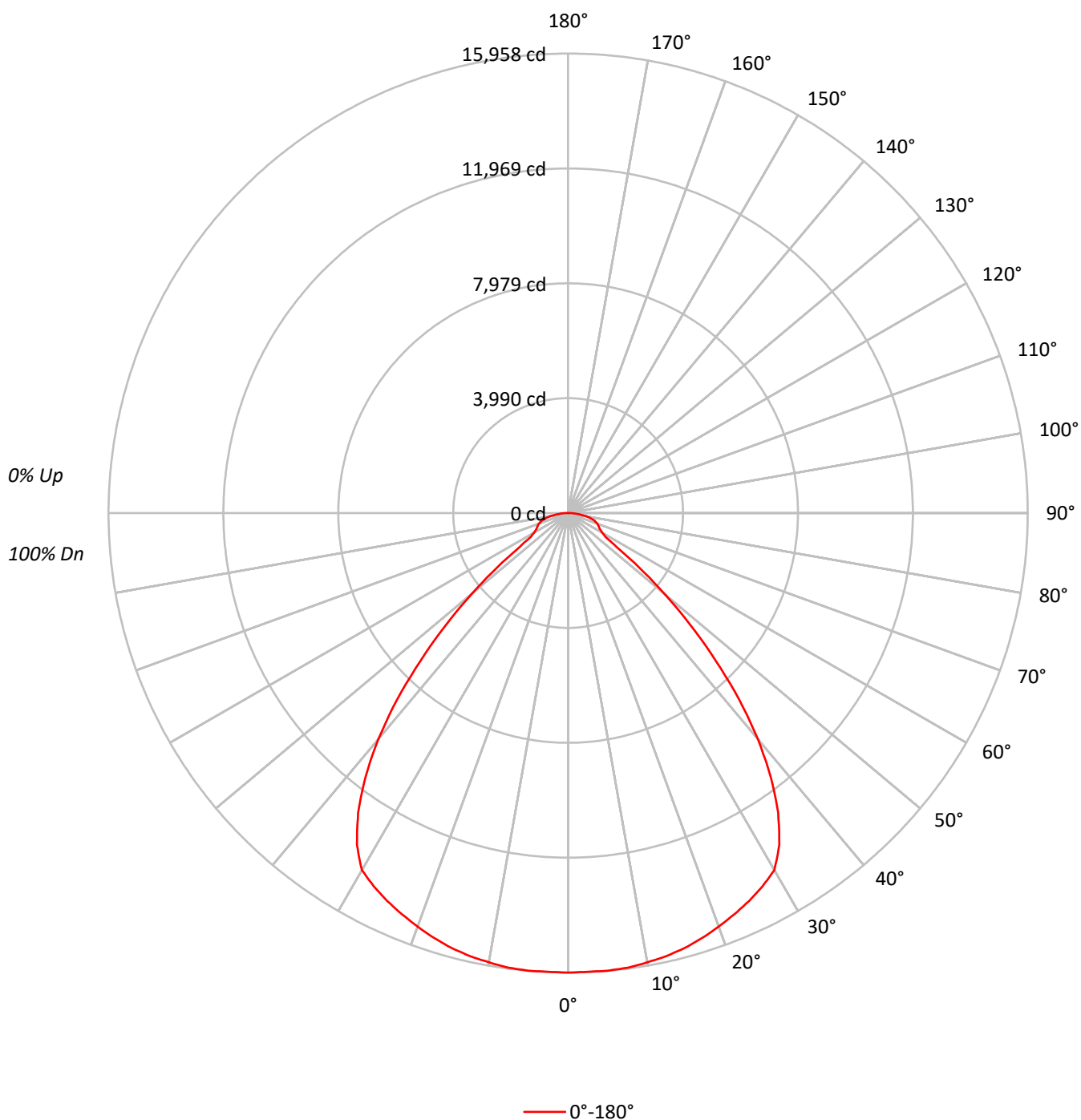
Lumens per Lamp: N/A
Luminaire Lumens: 30766.0 lumens
Efficiency: N/A
Efficacy: 158.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.25
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 194.3
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	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89		
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78		
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	64	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55		
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50		
7	73	61	53	48	71	60	53	48	59	52	48	57	52	47	56	51	47	45		
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41		
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	38		
10	60	48	41	36	59	48	41	36	47	41	36	46	40	36	45	40	36	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	101669
5°	102024
10°	102500
15°	103145
20°	103608
25°	104492
30°	105346
35°	98836
40°	85239
45°	65264
50°	43300
55°	22654
60°	17476
65°	17950
70°	20077
75°	22078
80°	22858
85°	21857

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 65264 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1519.3	4.9
10°-20°	4416.3	14.4
20°-30°	6855.8	22.3
30°-40°	7833.8	25.5
40°-50°	5573.6	18.1
50°-60°	2115.1	6.9
60°-70°	1191.9	3.9
70°-80°	928.7	3.0
80°-90°	331.4	1.1
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°	12791.3	41.6
0°-40°	20625.2	67.0
0°-60°	28314.0	92.0
0°-90°	30766.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30766.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15958	
5°	15952	###
15°	15638	4416
25°	14864	6856
35°	12708	7834
45°	7243	5574
55°	2040	2115
65°	1191	1192
75°	897	929
85°	299	331
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15957.7
2.5°	15943.1
5°	15952.5
7.5°	15921.1
10°	15843.8
12.5°	15757.0
15°	15637.8
17.5°	15475.8
20°	15281.4
22.5°	15080.6
25°	14864.2
27.5°	14612.3
30°	14319.6
32.5°	13647.4
35°	12707.6
37.5°	11561.9
40°	10248.9
42.5°	8789.5
45°	7243.4
47.5°	5770.5
50°	4368.6
52.5°	3103.7
55°	2039.5
57.5°	1534.6
60°	1371.5
62.5°	1258.6
65°	1190.7
67.5°	1136.3
70°	1077.8
72.5°	998.3
75°	896.9
77.5°	772.5
80°	623.0
82.5°	462.1
85°	299.0
87.5°	145.3
90°	0.0

(END OF REPORT)