

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: P1505089

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (4000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505089
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-86)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: Pentalux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (4000K_L32_Medium_120V)
Description: Pentalux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

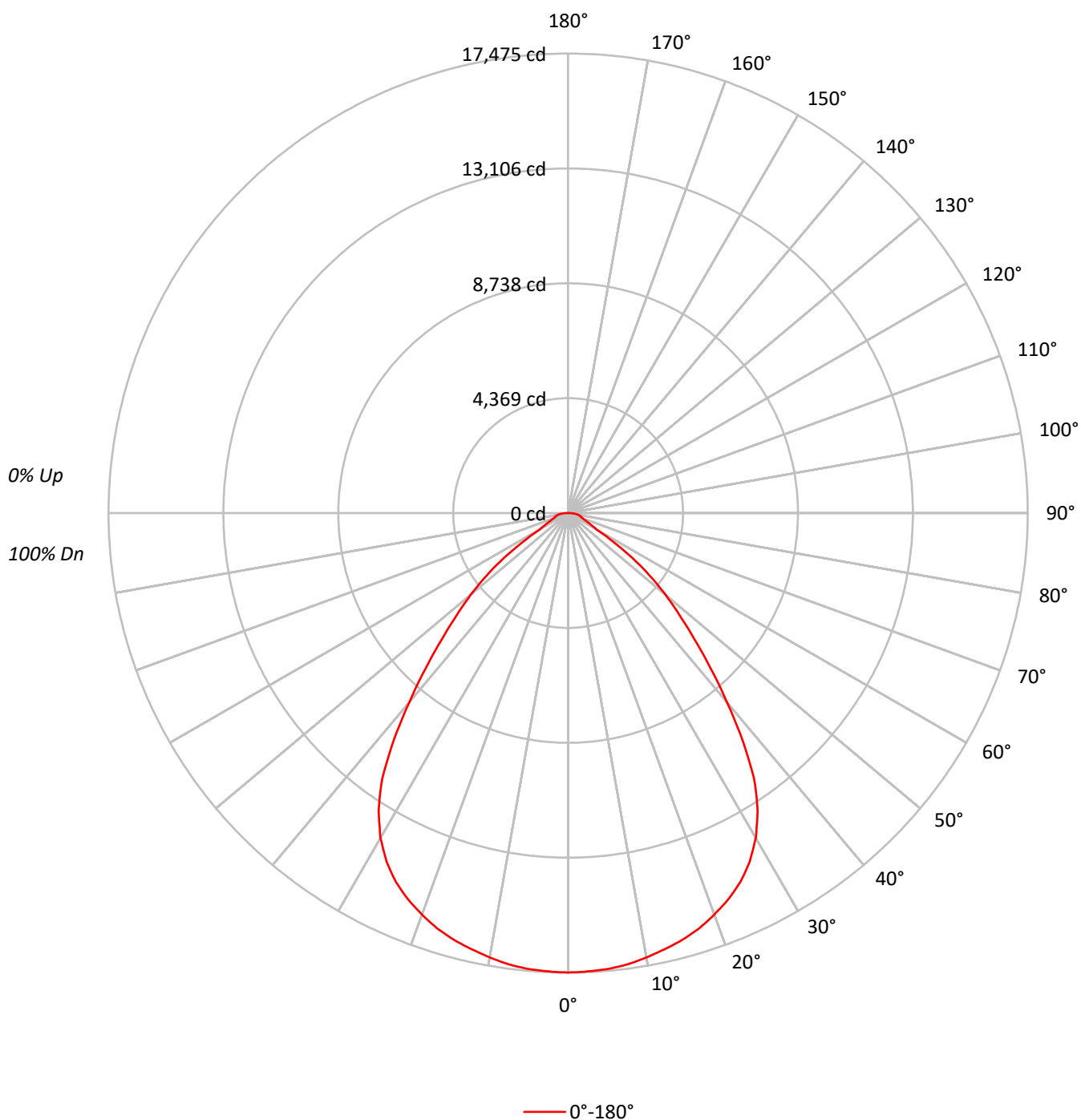
Lumens per Lamp: N/A
Luminaire Lumens: 30600.5 lumens
Efficiency: N/A
Efficacy: 157.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.17
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90		
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	81	80		
3	97	89	82	77	95	87	81	76	84	79	75	82	78	74	79	76	73	71		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63		
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57		
6	79	68	60	55	77	67	60	54	65	59	54	63	58	54	62	57	53	51		
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47		
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	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°	128222
5°	128219
10°	127847
15°	127639
20°	126900
25°	125388
30°	120875
35°	110431
40°	90110
45°	70381
50°	55155
55°	38167
60°	18287
65°	14320
70°	12291
75°	13929
80°	16653
85°	19540

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 70381 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1653.7	5.4
10°-20°	4739.2	15.5
20°-30°	7101.7	23.2
30°-40°	7550.3	24.7
40°-50°	5307.7	17.3
50°-60°	2650.6	8.7
60°-70°	842.5	2.8
70°-80°	516.2	1.7
80°-90°	238.6	0.8
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°	13494.6	44.1
0°-40°	21044.9	68.8
0°-60°	29003.2	94.8
0°-90°	30600.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30600.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17475	
5°	17408	###
15°	16802	4739
25°	15487	7102
35°	12328	7550
45°	6782	5308
55°	2984	2651
65°	825	842
75°	491	516
85°	232	239
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17474.6
2.5°	17447.4
5°	17407.7
7.5°	17311.5
10°	17158.8
12.5°	16987.4
15°	16802.4
17.5°	16559.8
20°	16251.5
22.5°	15904.4
25°	15487.3
27.5°	14950.0
30°	14266.3
32.5°	13408.0
35°	12328.2
37.5°	10886.6
40°	9407.4
42.5°	8026.4
45°	6782.4
47.5°	5736.0
50°	4831.7
52.5°	3920.2
55°	2983.5
57.5°	2015.5
60°	1246.1
62.5°	1005.7
65°	824.8
67.5°	672.2
70°	572.9
72.5°	526.9
75°	491.3
77.5°	452.6
80°	394.1
82.5°	319.9
85°	232.1
87.5°	127.5
90°	0.0

(END OF REPORT)