

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: P1505633

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (4000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505633
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-121)
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_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

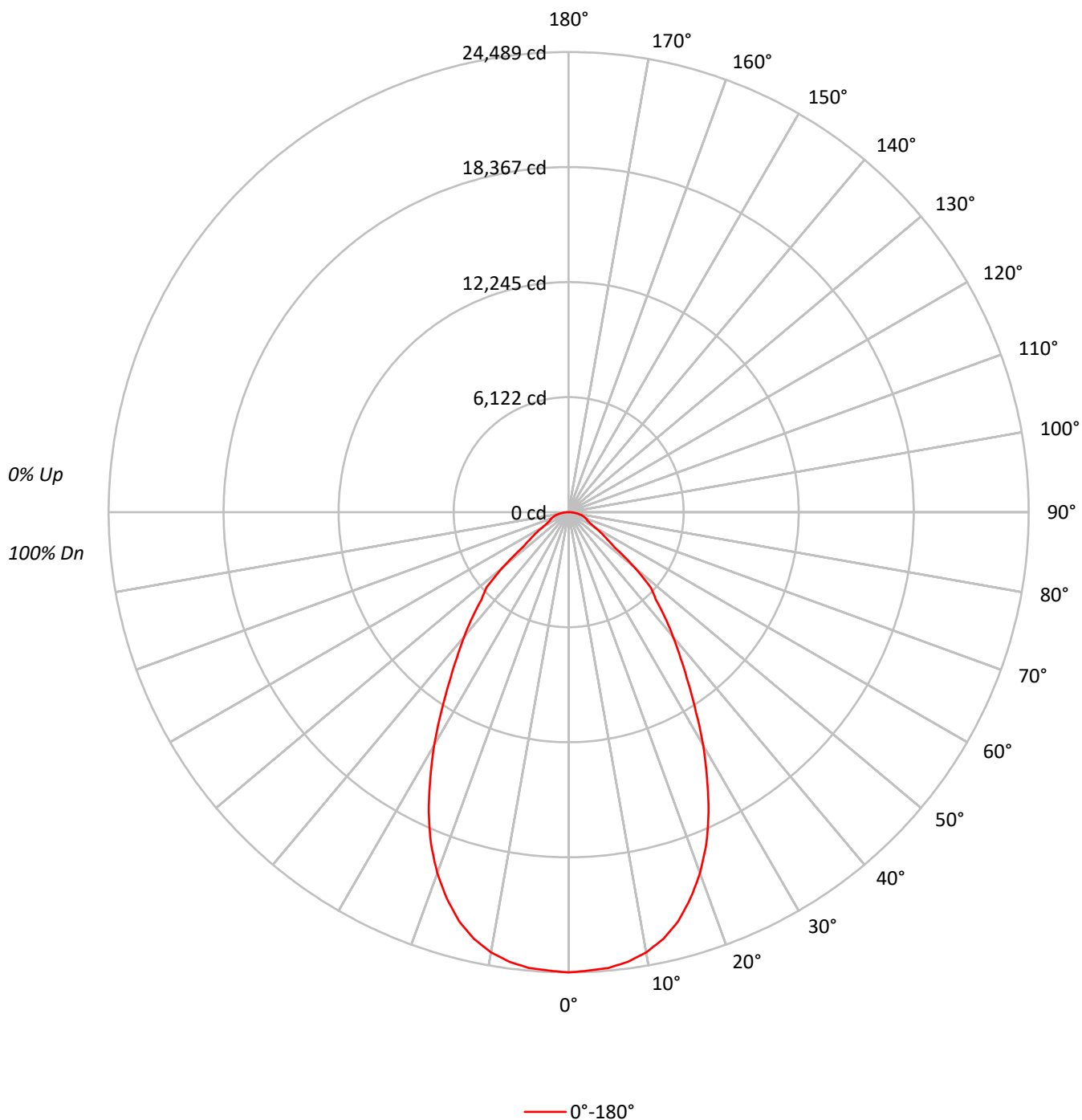
Lumens per Lamp: N/A
Luminaire Lumens: 33418.9 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 231.9
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	90	86	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72		
4	91	82	75	69	89	80	74	69	78	73	68	76	71	67	74	70	66	65		
5	85	75	68	62	83	74	67	62	72	66	62	70	65	61	69	64	60	59		
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53		
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49		
8	71	59	52	47	69	59	52	47	58	51	47	57	51	47	55	50	47	45		
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42		
10	63	52	45	41	62	51	45	40	50	44	40	50	44	40	49	44	40	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	156020
5°	155687
10°	153860
15°	148617
20°	138555
25°	123869
30°	105231
35°	86248
40°	71824
45°	59045
50°	45787
55°	27586
60°	20490
65°	17141
70°	18360
75°	19405
80°	19413
85°	19028

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 59045 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2305.8	6.9
10°-20°	6290.5	18.8
20°-30°	8025.8	24.0
30°-40°	6993.3	20.9
40°-50°	5125.3	15.3
50°-60°	2387.7	7.1
60°-70°	1185.0	3.5
70°-80°	820.2	2.5
80°-90°	285.5	0.9
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°	16622.1	49.7
0°-40°	23615.4	70.7
0°-60°	31128.3	93.1
0°-90°	33418.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33418.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24489	
5°	24343	###
15°	22532	6290
25°	17621	8026
35°	11089	6993
45°	6553	5125
55°	2484	2388
65°	1137	1185
75°	788	820
85°	260	285
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	24488.6
2.5°	24417.2
5°	24343.3
7.5°	24133.8
10°	23782.7
12.5°	23258.4
15°	22531.8
17.5°	21552.3
20°	20435.8
22.5°	19135.4
25°	17620.6
27.5°	15959.2
30°	14304.0
32.5°	12622.1
35°	11089.1
37.5°	9789.9
40°	8635.9
42.5°	7578.8
45°	6553.2
47.5°	5916.3
50°	4619.5
52.5°	3119.2
55°	2483.5
57.5°	2031.8
60°	1608.0
62.5°	1304.1
65°	1137.0
67.5°	1052.2
70°	985.6
72.5°	898.5
75°	788.3
77.5°	663.6
80°	529.1
82.5°	394.7
85°	260.3
87.5°	129.6
90°	0.0

(END OF REPORT)