

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: P1505276

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (5000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505276
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-109)
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-06-WHGL-PS (5000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

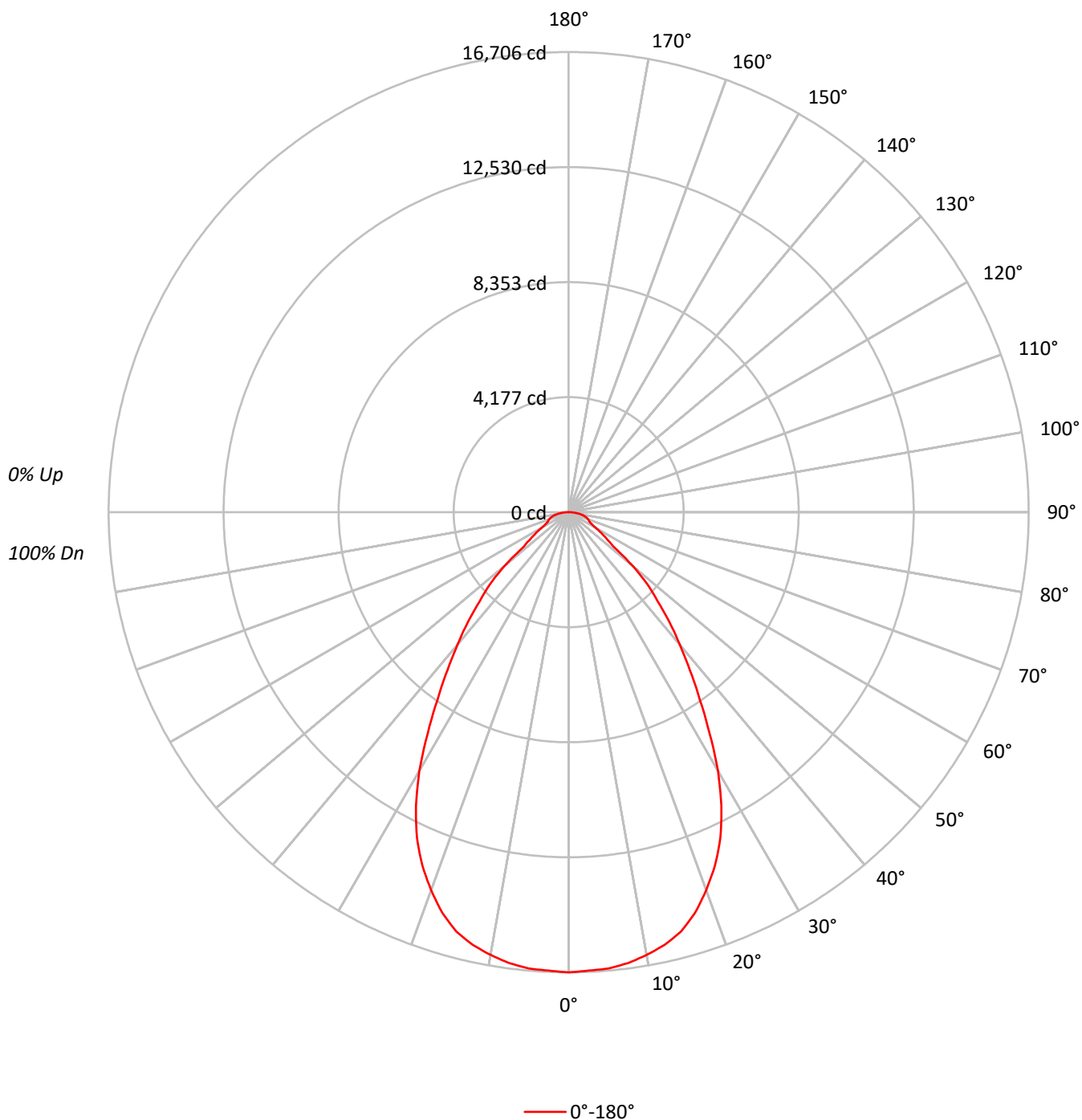
Lumens per Lamp: N/A
Luminaire Lumens: 24057.4 lumens
Efficiency: N/A
Efficacy: 153.8 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.03
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 156.4
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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64		
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53		
7	75	64	57	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	67	55	48	44	65	55	48	43	54	48	43	53	47	43	52	47	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	111447
5°	111343
10°	110577
15°	108865
20°	103642
25°	95966
30°	83530
35°	67658
40°	54613
45°	43171
50°	31546
55°	19676
60°	15006
65°	13311
70°	14619
75°	15983
80°	16884
85°	17620

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 43171 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1577.3	6.6
10°-20°	4409.8	18.3
20°-30°	5926.7	24.6
30°-40°	5223.3	21.7
40°-50°	3555.7	14.8
50°-60°	1603.7	6.7
60°-70°	868.9	3.6
70°-80°	645.5	2.7
80°-90°	246.5	1.0
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°	11913.8	49.5
0°-40°	17137.1	71.2
0°-60°	22296.4	92.7
0°-90°	24057.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24057.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16706	
5°	16627	###
15°	15763	4410
25°	13038	5927
35°	8308	5223
45°	4576	3556
55°	1692	1604
65°	843	869
75°	620	646
85°	230	247
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16706.4
2.5°	16659.5
5°	16627.3
7.5°	16511.8
10°	16324.2
12.5°	16092.4
15°	15763.2
17.5°	15256.0
20°	14599.4
22.5°	13887.2
25°	13037.9
27.5°	12009.6
30°	10844.0
32.5°	9525.7
35°	8308.0
37.5°	7225.0
40°	6271.4
42.5°	5416.8
45°	4576.1
47.5°	3889.1
50°	3039.7
52.5°	2044.4
55°	1691.8
57.5°	1395.7
60°	1124.7
62.5°	939.7
65°	843.3
67.5°	790.3
70°	749.5
72.5°	693.9
75°	620.1
77.5°	536.7
80°	439.5
82.5°	337.8
85°	230.2
87.5°	118.1
90°	0.0

(END OF REPORT)