

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: P1505609

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (3000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505609
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 (3000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

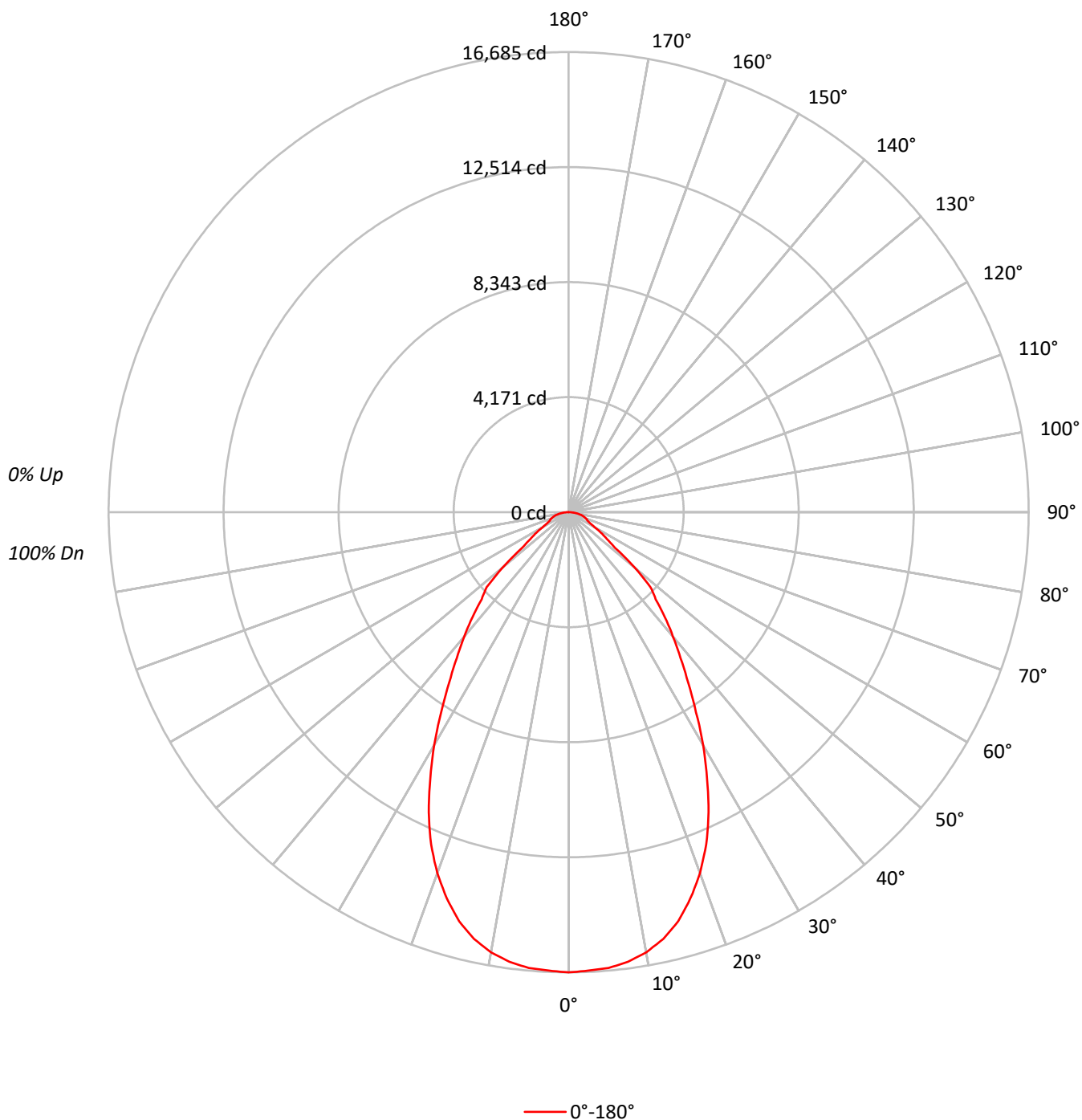
Lumens per Lamp: N/A
Luminaire Lumens: 22769.5 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 159.4
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	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°	106302
5°	106075
10°	104830
15°	101258
20°	94402
25°	84396
30°	71698
35°	58764
40°	48936
45°	40229
50°	31196
55°	18795
60°	13960
65°	11679
70°	12511
75°	13221
80°	13227
85°	12968

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 40229 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1571.0	6.9
10°-20°	4285.9	18.8
20°-30°	5468.2	24.0
30°-40°	4764.7	20.9
40°-50°	3492.0	15.3
50°-60°	1626.8	7.1
60°-70°	807.4	3.5
70°-80°	558.8	2.5
80°-90°	194.5	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°	11325.2	49.7
0°-40°	16089.9	70.7
0°-60°	21208.7	93.1
0°-90°	22769.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22769.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16685	
5°	16586	###
15°	15352	4286
25°	12006	5468
35°	7555	4765
45°	4465	3492
55°	1692	1627
65°	775	807
75°	537	559
85°	177	195
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16684.9
2.5°	16636.2
5°	16585.9
7.5°	16443.1
10°	16203.9
12.5°	15846.7
15°	15351.7
17.5°	14684.2
20°	13923.6
22.5°	13037.5
25°	12005.5
27.5°	10873.5
30°	9745.8
32.5°	8599.8
35°	7555.4
37.5°	6670.2
40°	5883.9
42.5°	5163.7
45°	4464.9
47.5°	4031.0
50°	3147.4
52.5°	2125.2
55°	1692.1
57.5°	1384.4
60°	1095.6
62.5°	888.5
65°	774.7
67.5°	716.9
70°	671.6
72.5°	612.2
75°	537.1
77.5°	452.1
80°	360.5
82.5°	269.0
85°	177.4
87.5°	88.3
90°	0.0

(END OF REPORT)