

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: P1505272

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (4000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505272
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-110)
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 (4000K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

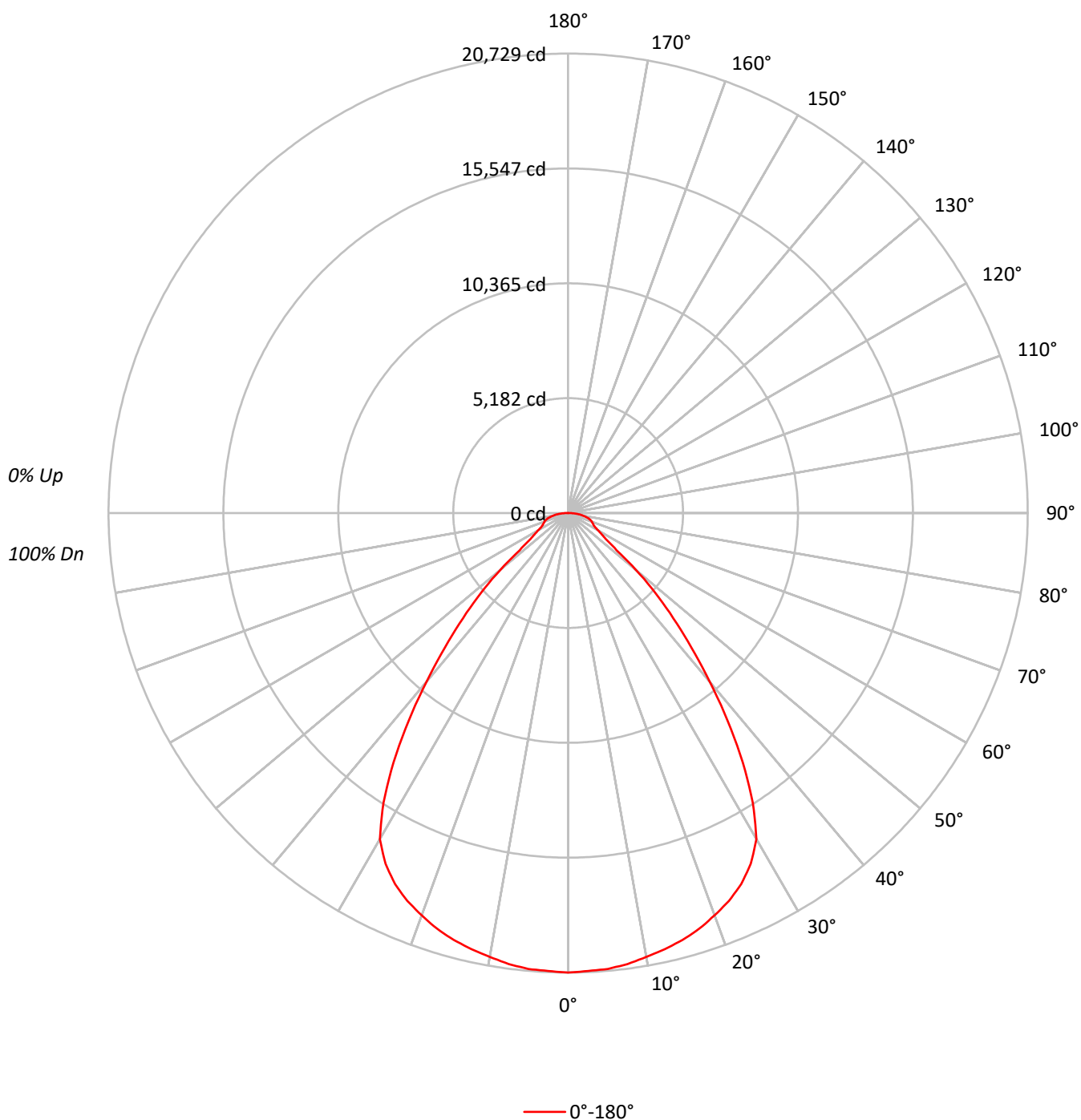
Lumens per Lamp: N/A
Luminaire Lumens: 34502.3 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.13
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

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	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	88	82	77	95	87	81	76	84	79	75	82	77	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	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	45	55	49	45	54	49	45	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	138281
5°	138225
10°	137707
15°	137681
20°	137089
25°	135945
30°	130814
35°	111803
40°	86424
45°	63252
50°	41344
55°	24504
60°	20792
65°	19897
70°	22247
75°	24749
80°	27164
85°	29009

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63252 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1960.2	5.7
10°-20°	5624.2	16.3
20°-30°	8461.2	24.5
30°-40°	8472.3	24.6
40°-50°	5205.4	15.1
50°-60°	2097.2	6.1
60°-70°	1279.6	3.7
70°-80°	1000.4	2.9
80°-90°	402.0	1.2
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°	16045.6	46.5
0°-40°	24517.8	71.1
0°-60°	31820.4	92.2
0°-90°	34502.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34502.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20729	
5°	20642	###
15°	19936	5624
25°	18469	8461
35°	13729	8472
45°	6705	5205
55°	2107	2097
65°	1260	1280
75°	960	1000
85°	379	402
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20728.9
2.5°	20676.8
5°	20641.7
7.5°	20519.4
10°	20329.3
12.5°	20148.9
15°	19935.7
17.5°	19662.1
20°	19310.9
22.5°	18935.6
25°	18469.4
27.5°	17834.9
30°	16982.4
32.5°	15499.1
35°	13728.8
37.5°	11824.1
40°	9924.3
42.5°	8210.9
45°	6704.6
47.5°	5336.3
50°	3983.8
52.5°	2754.7
55°	2106.9
57.5°	1803.0
60°	1558.4
62.5°	1359.8
65°	1260.5
67.5°	1196.3
70°	1140.6
72.5°	1061.9
75°	960.2
77.5°	842.8
80°	707.1
82.5°	553.4
85°	379.0
87.5°	191.3
90°	0.0

(END OF REPORT)