

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: P1505278

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (5000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505278
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 (5000K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

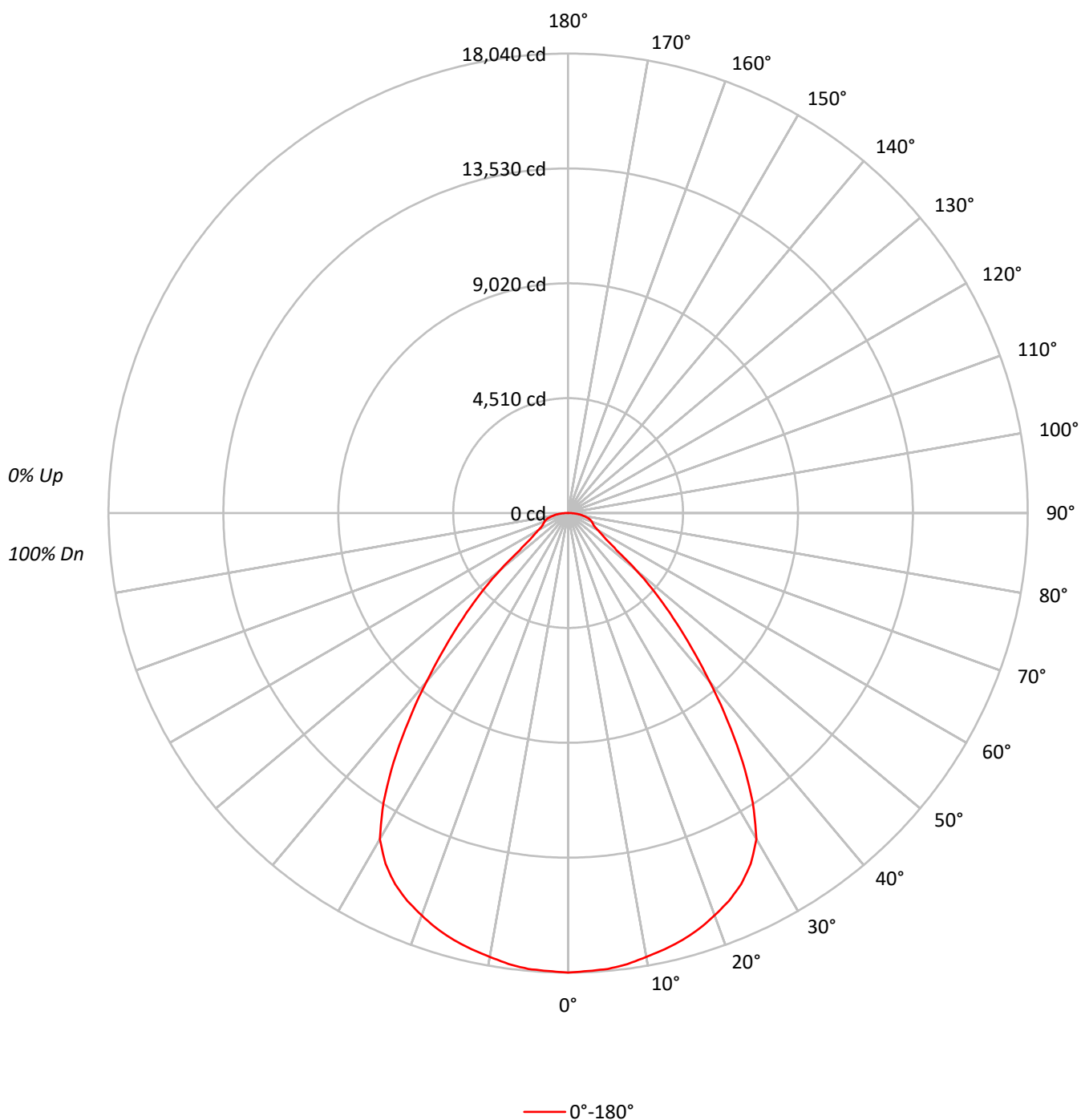
Lumens per Lamp: N/A
Luminaire Lumens: 30027.8 lumens
Efficiency: N/A
Efficacy: 153.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.13
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 195.5
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°	120347
5°	120299
10°	119848
15°	119826
20°	119310
25°	118314
30°	113849
35°	97303
40°	75215
45°	55049
50°	35982
55°	21327
60°	18096
65°	17316
70°	19362
75°	21540
80°	23641
85°	25243

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 55049 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1705.9	5.7
10°-20°	4894.8	16.3
20°-30°	7363.9	24.5
30°-40°	7373.5	24.6
40°-50°	4530.3	15.1
50°-60°	1825.2	6.1
60°-70°	1113.6	3.7
70°-80°	870.6	2.9
80°-90°	349.9	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°	13964.6	46.5
0°-40°	21338.1	71.1
0°-60°	27693.6	92.2
0°-90°	30027.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30027.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18040	
5°	17965	###
15°	17350	4895
25°	16074	7364
35°	11948	7374
45°	5835	4530
55°	1834	1825
65°	1097	1114
75°	836	871
85°	330	350
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	18040.5
2.5°	17995.2
5°	17964.7
7.5°	17858.2
10°	17692.8
12.5°	17535.7
15°	17350.3
17.5°	17112.1
20°	16806.5
22.5°	16479.8
25°	16074.1
27.5°	15521.9
30°	14780.0
32.5°	13489.0
35°	11948.3
37.5°	10290.7
40°	8637.2
42.5°	7146.0
45°	5835.1
47.5°	4644.2
50°	3467.1
52.5°	2397.5
55°	1833.7
57.5°	1569.2
60°	1356.3
62.5°	1183.5
65°	1097.0
67.5°	1041.2
70°	992.7
72.5°	924.2
75°	835.7
77.5°	733.5
80°	615.4
82.5°	481.6
85°	329.8
87.5°	166.5
90°	0.0

(END OF REPORT)